



Media Server 2000 Series Configuration Management

This NTP contains the operational configuration procedures that are performed for the Nortel Networks Media Server 2000 Series (MS 2000 Series) and the Audio Provisioning Server (APS).

Integrated EMS GUI for maintenance and configuration

The Integrated Element Management System GUI (Integrated EMS GUI) access for the Media Server 2000 series is introduced in SN08.

Note: If you have Media Server 2000 nodes in an SN08 network, you must upgrade to the Integrated EMS.

MS 2000 Series operational configuration

The Media Server 2000 Series is initially configured at the time that it is installed or upgraded. If it is necessary to change the configuration, that task can be performed through the tools listed below.

- The Integrated Element Management System GUI ([Integrated EMS GUI](#)) is the human interface to the Succession Operations and Maintenance Center Platform. To access the Integrated EMS GUI, refer to the Integrated EMS Basics document (NN10329-111).
- The [Embedded web server utility](#), that is resident on each Media Server 2000 Series node, is the emergency action interface (EAI). The Media Server 2000 Series embedded web server utility is accessed through any standard web browser, such as Microsoft Internet Explorer (version 5.0 and higher) or Netscape Navigator (version 7.0 and higher.)

Note: The Universal Audio Server Manager cannot be used for configuration or maintenance of the Media Server 2000 Series.

Integrated EMS GUI

The Integrated EMS GUI, is the primary tool used for Media Server 2000 Series configuration starting in SN08. The configuration activities are listed below.

- Node Maintenance
 - Backing up INI files to the Integrated EMS or tftp server
 - Performing a Graceful lock or a Force lock on a Media Server 2000 node
 - Performing a soft reset a Media Server 2000 node
- Node Configuration
 - General Configuration
 - Configuring auto backup of the INI file
 - Load Management
 - Reoading CMP load and INI files to a Media Server 2000 node
 - Sending a INI, DAT, or VXML file to a Media Server 2000 node
 - Password Management
 - Changing the read community string password
 - Changing the write community string password
 - SNMP Setup
 - Setting SNMP trusted managers
 - Changing the SNMP password
 - Atm Configuration
 - Editing ATM Loopback table port entries (MS2020)
 - Editing the SVC table (MS2020)
 - Editing the ATM Port Table (MS2020)

The Media Server 2000 series node configuration parameters are listed in the following table.

Note 1: The table is only depicting general node configuration possibilities for the media server.

Note 2: When you have changed any of the configuration parameters shown in the table above, you must execute a soft reset

and burn the new configuration parameters into flash memory. This activates the new configuration parameters.

Table 1 General configuration parameters

Configuration parameter	Function and/or possible settings
Megaco Call Agent IP address	IP address of the Gateway Controller
Is a Megaco Call Agent Used	Determines whether a MEGACO Call Agent is used
Number of conference ports	MS2010: 0 through 120 MS2020: 0 through 240 or 0 through 480 depending on the feature key and configuration
Number of test trunk ports	MS2010: 0 through 120 MS2020: 0 through 240 or 0 through 480 depending on the feature key and configuration
Number of lawful intercept ports	MS2010: 0 through 120 MS2020: 0 through 240 or 0 through 480 depending on the feature key and configuration
Number of Packet Media Anchor ports	MS2010: 0 through 120 MS2020: 0 through 240 or 0 through 480 depending on the feature key and configuration
Number of announcement ports	MS2010: 0 through 120 MS2020: 0 through 240 or 0 through 480 depending on the feature key and configuration
Primary database server IP address	Audio Provisioning Server (APS) IP address and port
Primary language	Language used for audio announcements. Since the CS 2000 processes calls with “primary” and “secondary” languages, the MS 2000 Series must know what language is being referred to in the “primary” language designation sent by the CS 2000. This is one of the ISO 639/T language codes plus UAS extensions.

Table 1 General configuration parameters

Configuration parameter	Function and/or possible settings
Secondary language	Language used for audio announcements. Since the CS 2000 processes calls with “primary” and “secondary” languages, the MS 2000 Series must know what language is being referred to in the “secondary” language designation sent by the CS 2000. This is one of the ISO 639/T language codes plus UAS extensions.
Syslog server IP address	IP address of the server on which syslog will be recorded

Embedded web server utility

An embedded web server is accessible for each Media Server 2000 Series Trunk Pack Module (TPM). It serves as an emergency access interface, and is used only when the Media Server 2000 Series Configuration Tool is unavailable. To access the embedded web server, enter the IP address of the node in the address field of a web browser of your choice. Access to the embedded web server utility is password-protected.

The embedded web server utility enables you to perform the following tasks:

- modify information for IP configuration used with the Media Server 2000 Series
- modify IP settings, logging settings, SNMP settings, and Ethernet ports information
- change configuration file (INI) parameters
- modify Media Server 2000 Series node call progress tones
- modify Media Server 2000 Series node system date and time
- change the login access for the embedded web server utility
- check version information for an Media Server 2000 Series node
- perform software updates to an Media Server 2000 Series node
- save configuration information to IPM-1610 or TP-6310 board flash memory
- reset the IPM-1610 or TP-6310 board

APS operational configuration

APS operational configuration is performed through the APS GUI. There are two major components of the APS GUI: the [APS GUI Administration function](#) function and the [APS GUI Audio Management function](#) function.

APS GUI Administration function

The APS Administration GUI provides a tool for managing administrative objects in the APS used for distribution of audio segments to one or more Media Server 2000 Series nodes. The APS Administration GUI also provides a tool for managing selector types and selector values defined by the administrator.

Managing administrative objects

The administrative objects in the APS database are used for distribution of audio segments to one or more Media Server 2000 Series nodes. These administrative objects include:

- *user*, which represents a user of the APS GUI. Users have an ID and password that permit them to gain secure access to the APS GUI. Users may also be granted special permissions to provide them access to different screens and associated tasks in the APS GUI. “admin” permission grants the user access to the administration, audio management, selector management, and change password screens. “Audio management” permission grants the user access to the audio management, selector management, and change password screens.

Note: The “admin” user is the only user login available after the APS is first installed. The admin user subsequently adds other users to the system.

- *program group*, which is a logical grouping of users and audio segments. When a user creates an audio segment in the APS database, the audio segment is automatically associated with the active program group with which the user is associated. A segment can also be manually added to one or more program groups.

Note: The “admin” program group, which contains the admin user, is the only program group available after the APS is first installed. Thus, the admin user must, initially, create any other users and program groups that may be needed after installation.

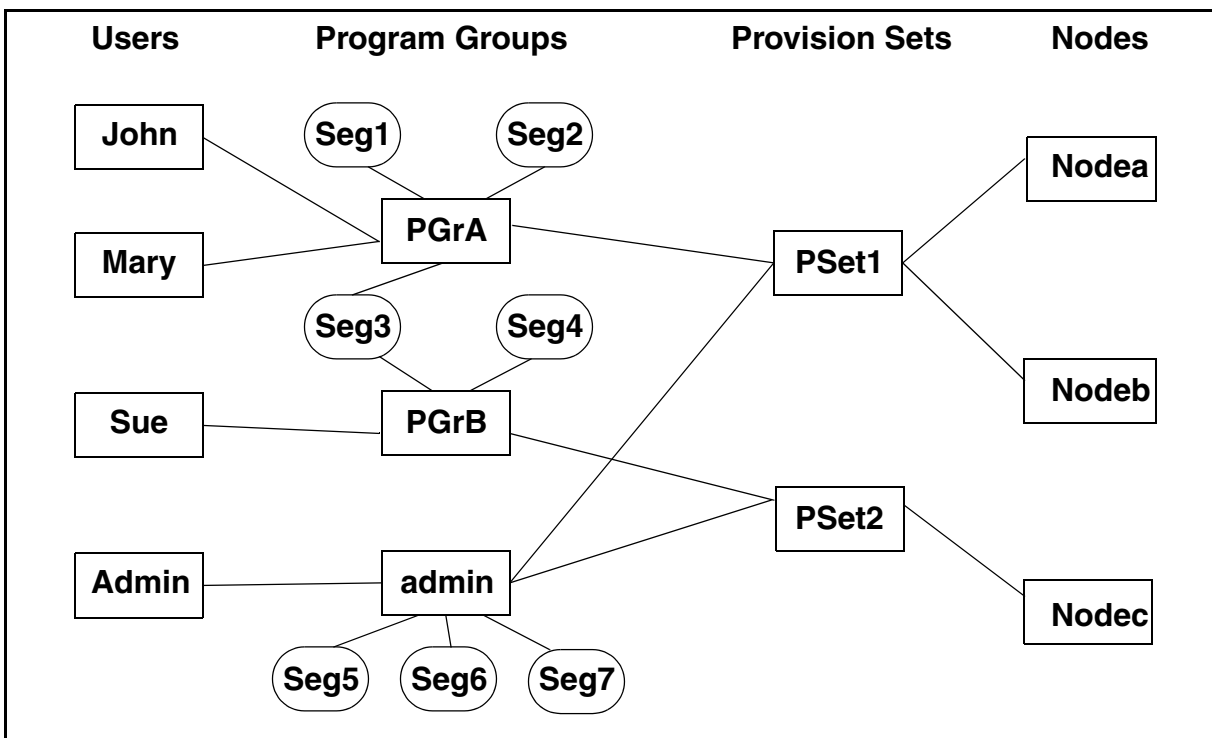
- *node*, which represents an Media Server 2000 Series node to which audio can be distributed. Each node has a unique hostname and IP

address by which it is known on the network. Each node can be associated with only one provision set.

- *provision set*, which is a logical relationship between one or more program groups and one or more Media Server 2000 Series nodes. This relationship determines the audio that can be distributed to an Media Server 2000 Series node. Segments are distributed to a node if the node is associated, in a provision set, with a program group containing the segments.

An example of the relationship between these administrative objects is illustrated in the following illustration.

Sample relationship between Administrative Objects



In this example, the segments (Seg1, Seg2, Seg3, Seg5, Seg6, and Seg7) contained in the program groups (PGrA and PGrB) associated with provision set PSet1 can be distributed to nodes a and b. The segments (Seg3, Seg4, Seg5, Seg6, and Seg7) contained in the program groups (PGrB and admin) associated with provision set PSet2 can be distributed to node c.

The data that a user is able to view on the Audio Management GUI screen is determined by the program group chosen by the user for the current updating session. If a user is associated with only one program

group, that program group is automatically chosen as the active program group for the user. Thus, in the example shown, during an audio management updating session, John and Mary will have access to segments Seg1, Seg2, and Seg3, Sue will have access to segments Seg3 and Seg4, and the admin user will have access to segments Seg5, Seg6, and Seg7.

The following table shows possible operations that can be performed on these administrative objects through the Administration GUI.

Administration operations

Operation	User	Program Group	Provision Set	Node	Selector Types	Selector Values
Create	x	x	x	x	x	x
Delete	x	x	x	x	x	x
Add user		x				
Cut user		x				
Add segment		x				
Cut segment		x				
Add program group			x			
Cut program group			x			
Add provision set				x		
Cut provision set				x		
Add selector value					x	
Cut selector value					x	
Edit properties	x	x	x	x		x
Find reference to	x	x	x		x	x

Managing Selector Types and Selector Values

Selector Types and Selector Values are used for audio set definition and are used also during call processing in conjunction with audio variables and language versions. The APS Administration GUI enables you to manage selector types and selector values that you have added

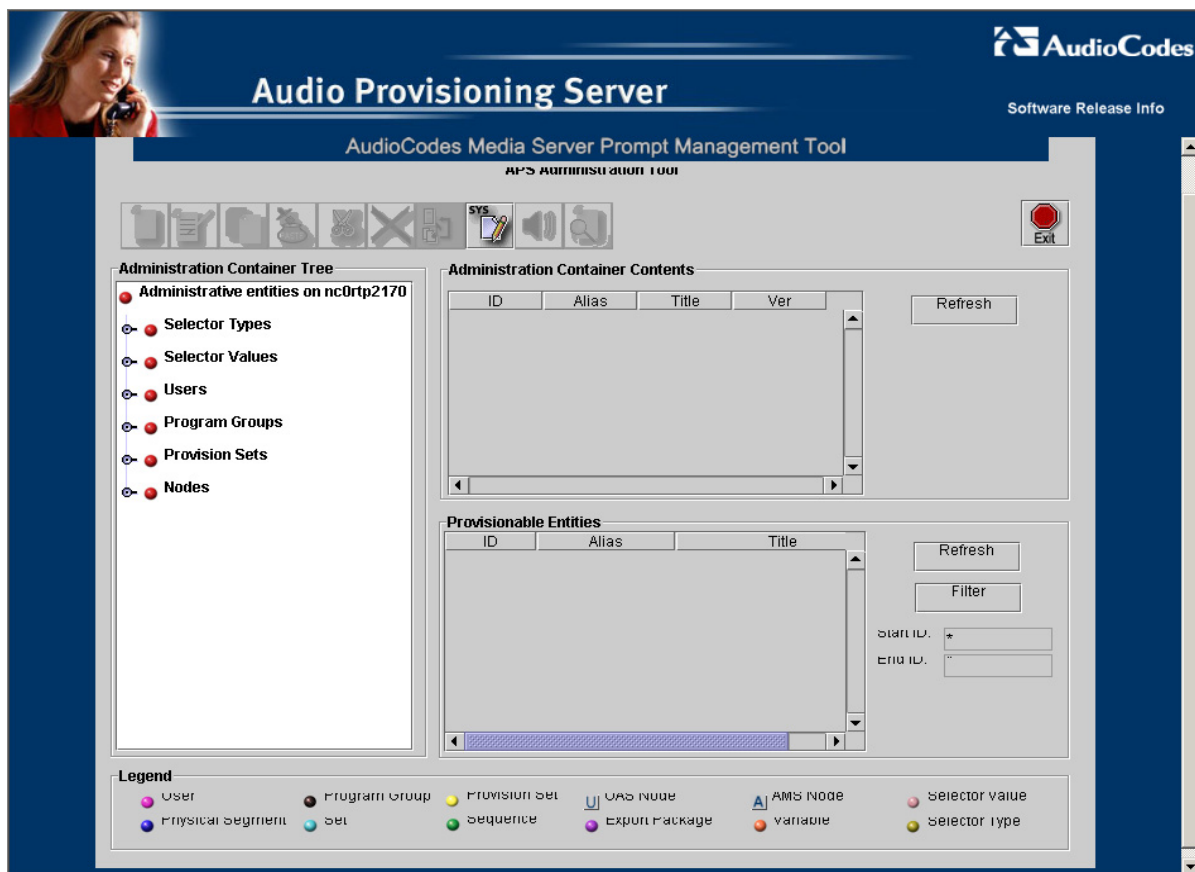
when you require selector types and selector values other than those installed with the system.

Note: Selector Types and Selector Values used for call processing cannot be changed through the APS Administration GUI. Attempting to make changes to these entities will cause an error.

APS GUI Administration function screen

The Administration Tool screen is shown in the following illustration.

Administration Tool screen



Tool bar menu buttons

This section describes tool bar menu buttons on the Administration screen.

The **New** button enables you to create new users, program groups, provision sets, or nodes.

The **Edit** button is used for editing the properties of users, program groups, provision sets, or nodes.

The **Copy** button enables you to copy a user, program group, or provision set to the clipboard.

The **Paste** button pastes a copied user, program group, provision set, or node to the location you have indicated.

You use the **Cut** button to cut (remove) a user, program group, or provision set association with another entity.

The **Delete** button deletes a user, program group, provision set, or node from the database.

The **Provision Node** button enables you to manually start provisioning to an Media Server 2000 Series node.

The **Edit System Parameters** button enables you to change the system parameters in the database.

The **Play** button enables you to hear the audio file associated with a physical segment.

The **Find Reference To** button finds all references to a specified administration or provisionable entity.

The **Exit** button exits you from the Administration Tool screen.

Panel descriptions

This section describes the Administration screen panels and associated buttons.

The *Administration Container Tree* panel contains Administrative Entities folders and the contents of the folders. Clicking on the “handle” icon located next to each of the Administration Container Tree folders enables you to “expand,” or show, the contents of the folder.

The *Audio Container Contents* panel contains the Contents table, which displays the contents of the currently selected administrative entity in the Administration Container Tree. The Refresh button updates the Contents table with the latest elements from the database.

The *Provisionable Entities* panel contains a table which displays packages or audio segments, depending on the filter setting. The Refresh button updates the display table with the latest audio segments or package IDs in the database. The Filter button opens the Audio

Segments Filter Dialog window, which allows the user to specify either audio segments only or packages only. The Start ID and End ID fields contain the range of audio segment or package IDs that will be displayed. The default is *, which includes all the audio segments or packages in the database.

The *Legend* panel associates the node handle color with the administrative or provisionable entity.

APS GUI Audio Management function

The APS Audio Management GUI is used for managing provisionable audio entities stored in the APS database. These provisionable entities fall into two distinct groups, *audio segments* and *export packages*. Audio segments are individual audio recordings played from the Media Server 2000 Series node. Export packages are containers for sets of audio segments that are played locally from a gateway rather than from an Media Server 2000 Series node. Segments and packages each have their own range of IDs. The segment IDs, which users can specify when creating segments, range from 1 through 4286578687. Export package IDs, which are automatically assigned by the APS, range from 1 through 4294967295.

Audio Segments

Four types of audio segments are managed through the Audio Management GUI:

- *physical segment*, which is the simplest type of audio. A physical segment is a single audio file stored in the database. The text of the audio file can be as simple as a single character or as complex as multiple sentences.
- *audio set*, which associates a group of related segment types. Only one of the segments in the audio set is played during an announcement, as determined by the selector value assigned in the call processing message. If a selector value is not assigned, the default value assigned during the provisioning of the set is used. Audio sets can contain any of the four segment types, physical segments, audio sequences, audio variables, or other audio sets.
- *audio sequence*, which associates several segment types that are to be played in a specified order. The play order is determined during provisioning of the audio sequence. Audio sequences can contain any of the four segment types, physical segments, audio sets, audio variables, or other audio sequences.
- *audio variable*, which specifies a variable audio segment whose content is not determined until runtime. Audio variables are used in conjunction with language versions. Thus, the appropriate language

version of an audio variable is supplied when an audio set or audio sequence containing the audio variable is played.

Note: Although the APS supports sophisticated audio provisioning capabilities such as embedding audio variables in an announcement, these capabilities may not be supported by the CS 2000 call server. Thus, before attempting to employ these sophisticated audio capabilities, you should check with your network support manager.

Export Packages

Export packages are created for frequently-played audio that can be played more efficiently at a gateway than from the Media Server 2000 Series node. When an audio export package is then exported, using the APS export tool, the following three files are created:

- an audio file that contains all the audio for all segments selected
- an index file that provides all the necessary information to play each audio segment
- a catalog file that contains the ancillary information from the database such as the prompt text, title, voice talent, and date recorded

These files are then distributed, using the APS distribution function, to any specified network nodes for use. Although the receiving gateway needs to know the file format, it does not need to know any details about the contents of the exported package. This provides error free provisioning based upon the APS/IPS database, guaranteeing network-wide consistency in audio identifiers. As a result, the same specific prompt is played in response to a service engine request placed to any node in the network.

To accurately identify an export package, the package must be assigned a “package format version.” This tells the gateway what types of segments the package contains and the format of the index file and catalog file. There are three format versions available:

- Package format version 2.1a contains only physical segments with IDs in the range of 1–9999 and an index file that references each segment with a 4 digit ASCII ID.
- Package format version 2.1b contains physical segments with IDs in the range of 1–4294967295 and an index file that references each segment by a 10 character alphanumeric alias.
- Package format version 3.0a contains physical segments and simple audio sets with IDs in the range of 1–4294967295. Simple audio sets are sets that contain only physical segments. Similar to

package format version 2.1b, the index file references each segment by a 10-character alphanumeric alias.

The index file in an export package provides all of the necessary information required in order to play each audio segment. The version 3.0a package format index file contains the following records:

- package format version (for example, 2.1a, 2.1b, 3.0a) - It is important to note that, although package formats are not backwards-compatible with previous APS releases, the latest APS release does support earlier versions of package formats (for example, APS06 supports package format versions 2.1a, 2.1b, and 3.0a).
- information record for each audio segment in the package, containing the following fields:
 - *segment ID*, which contains the alias of the physical segment
 - *provisionable entity type*, which defines the type of the audio segment contained in the package, including “physical segment,” “audio set,” “audio sequence,” “audio variable.”
 - for physical segments, the remaining fields are:
 - *package ID*, which contains the ID of the package used to generate the index file. The package ID, in combination with the package version and the file identification extension, “.aud” identifies the export audio file containing the audio segment.
 - *package version*, which contains the version number of the package used to generate the index file
 - *offset*, which is the starting offset for playing the audio segment, indicating the number of bytes from the start of the source file
 - *length*, which is the length, in bytes, of the audio segment
 - segment format, which indicates the format required in order for the audio to be played, for example, mulaw, alaw, MP3
 - *checksum*, which is used to ensure synchronization between the record in this index file, the associated record in the catalog file, and the actual audio file used
 - for audio sets, the remaining fields are:
 - *set type*, which identifies the type of the set and dictates the domain of valid selector values that can be associated with the elements of the set. This information maps to selector

types in the APS database and is, thus, useful for debugging purposes.

- *default selector value*, which identifies the set element that is to be played as the default audio segment, when necessary. This value maps to one of the selector values associated with the set type in the APS database.
- *number of set elements*, which identifies how many set elements are contained in the set.
- *selector value for set element*, which uniquely identifies an audio segment as an element of the set. The same selector value cannot be referenced twice in the same set. This value maps to one of the selector values associated with the set type in the APS database.
- *segment ID for set element*, which contains the alias of the audio segment.
- for audio sequences, the remaining fields are:
 - *number of sequence elements*, which identifies how many sequence elements are contained in the sequence.
 - *segment ID for set element*, which contains the alias of the audio segment.
- for audio variables, the remaining fields are:
 - *variable type*, which identifies the type of the variable, such as “Silence,” “Duration,” “Date,” “Time,” and “Weekday.”
 - *variable subtype*, which identifies the subtype of the variable, if one exists. The subtype is determined by the type of variable. For example, if the variable type is “Time,” the valid subtypes are “12-hour time” and “24-hour time.”
 - *default language*, which specifies the default language in which the variable will be spoken if another language is not specified at run-time.
 - *provisioned variable value*, which contains the provisioned variable value, if one exists.

The audio segment file is comprised of three sections: the first contains the number of audio segments stored in the file; the second contains checksum values (which must match the checksum values in the index file) for all of the audio segments stored in the file; the third contains the actual audio, stored as contiguous audio segments.

The audio catalog file documents each audio segment in the export package. The version 3.0a package format catalog file contains the following fields for each audio segment:

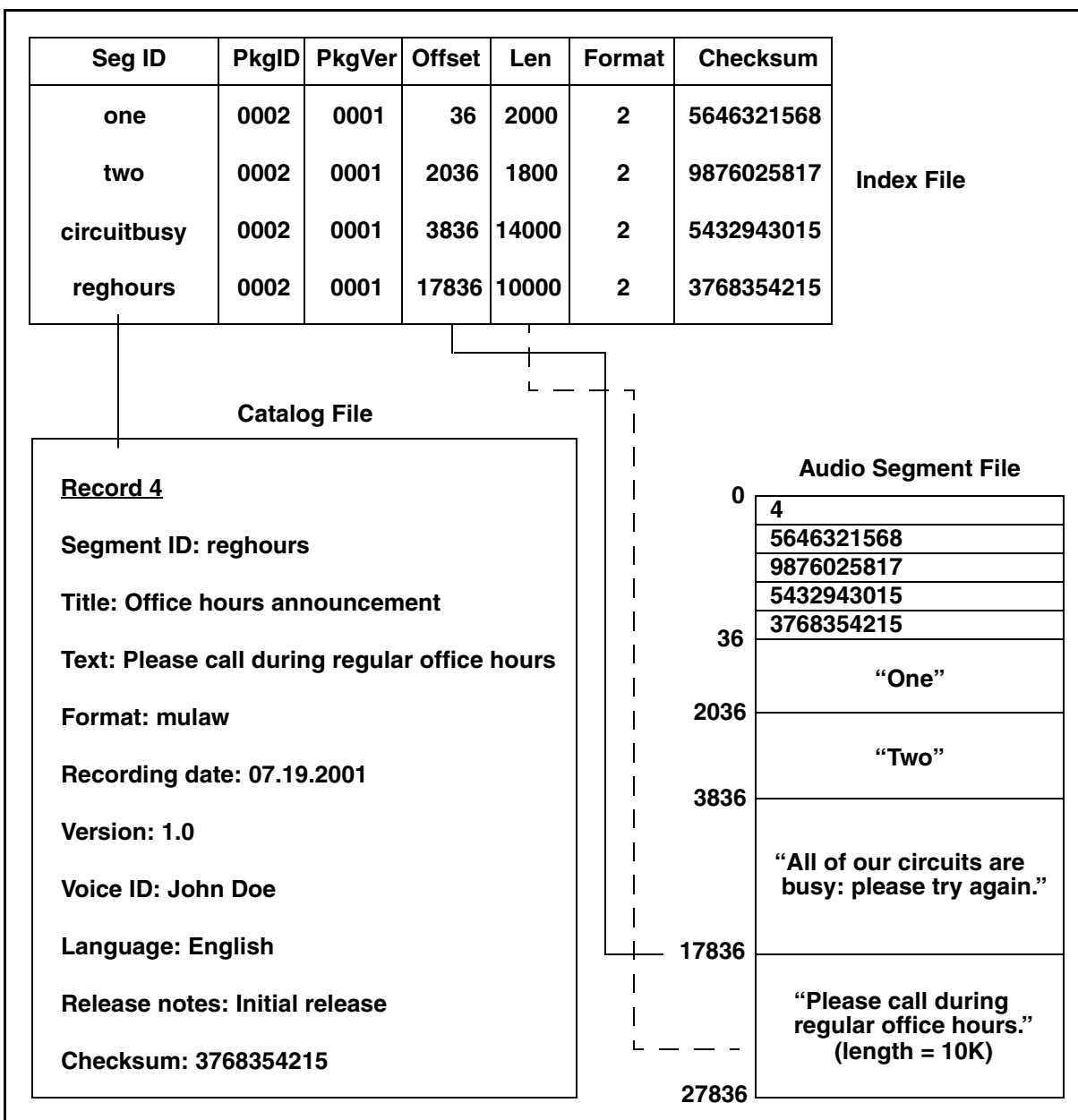
- *segment ID* - the same segment ID found in the index file
- *provisionable entity type* - which defines the type of the audio segment contained in the package, including “physical segment,” “audio set,” “audio sequence,” “audio variable.”
 - for physical segments, the remaining fields are:
 - *title*, which is a short phrase that describes the audio segment
 - *text*, which is a word or phrase contained in the audio segment
 - *format*, which is the same format information found in the index file
 - *recording date*, which is the date on which the segment was recorded
 - *version*, which is an identifier used to track multiple versions of the same audio segment
 - *voice identifier*, which is the voice talent for the audio
 - *language*, which is the language of the audio segment (for example, English)
 - *release notes*, which is an additional field that can be used to document the version of the audio
 - *checksum*, which is the same checksum value stored in the “index” and “audio segment” files, used for synchronization purposes
 - for audio sets, the remaining fields are:
 - *title*, which is a short phrase that describes the audio segment
 - *text*, which is a word or phrase contained in the audio segment
 - *version*, which is an identifier used to track multiple versions of the same audio segment
 - *release notes*, which is an additional field that can be used to document the version of the audio
 - *set type*, which is the type of the set and domain of valid selector values that can be associated with the set elements
 - *default selector type*, which is the selector value that

- identifies the default set element in the set
- *number of elements*, which is the number of set elements in the set
- *selector value for set element*, which is the selector value that uniquely identifies one of the set elements
- *identifier for set element*, which is the segment ID
- *title for set element*, which is a short phrase describing the segment
- for audio sequences, the remaining fields are:
 - *title*, which is a short phrase that describes the audio segment
 - *text*, which is a word or phrase contained in the audio segment
 - *version*, which is an identifier used to track multiple versions of the same audio segment
 - *release notes*, which is an additional field that can be used to document the version of the audio
 - *number of elements*, which is the number of elements in the sequence
 - *identifier for sequence element*, which is the segment ID
 - *title for sequence element*, which is a short phrase describing the segment
- for audio variables, the remaining fields are:
 - *title*, which is a short phrase that describes the audio segment
 - *text*, which is a word or phrase contained in the audio segment
 - *version*, which is an identifier used to track multiple versions of the same audio segment
 - *release notes*, which is an additional field that can be used to document the version of the audio
 - *variable type*, which is the type of the variable
 - *variable subtype*, which is the subtype of the variable, if one exists
 - *default language*, which is the language in which the variable is to be spoken if another language is not specified at run-time

- *provisioned variable value*, which is the provisioned value of the variable, if one exists

The basic relationship between the index file, audio file, and catalog file is depicted in the following illustration. The sample shown in this illustration also illustrates how the system performs the audio that you provision using the audio provisioning GUI.

Package Format 3.0a sample Index, Audio Segment, and Catalog Files



Audio Management GUI operations

The following table shows possible operations that can be performed on audio provisionable entities through the Audio Management GUI. The data that a user is able to view and manipulate using the Audio Management GUI is determined by the program group chosen by the user for the current updating session. If a user is associated with only one program group, that program group is automatically chosen as the active program group for the user.

Audio management operations (Sheet 1 of 2)

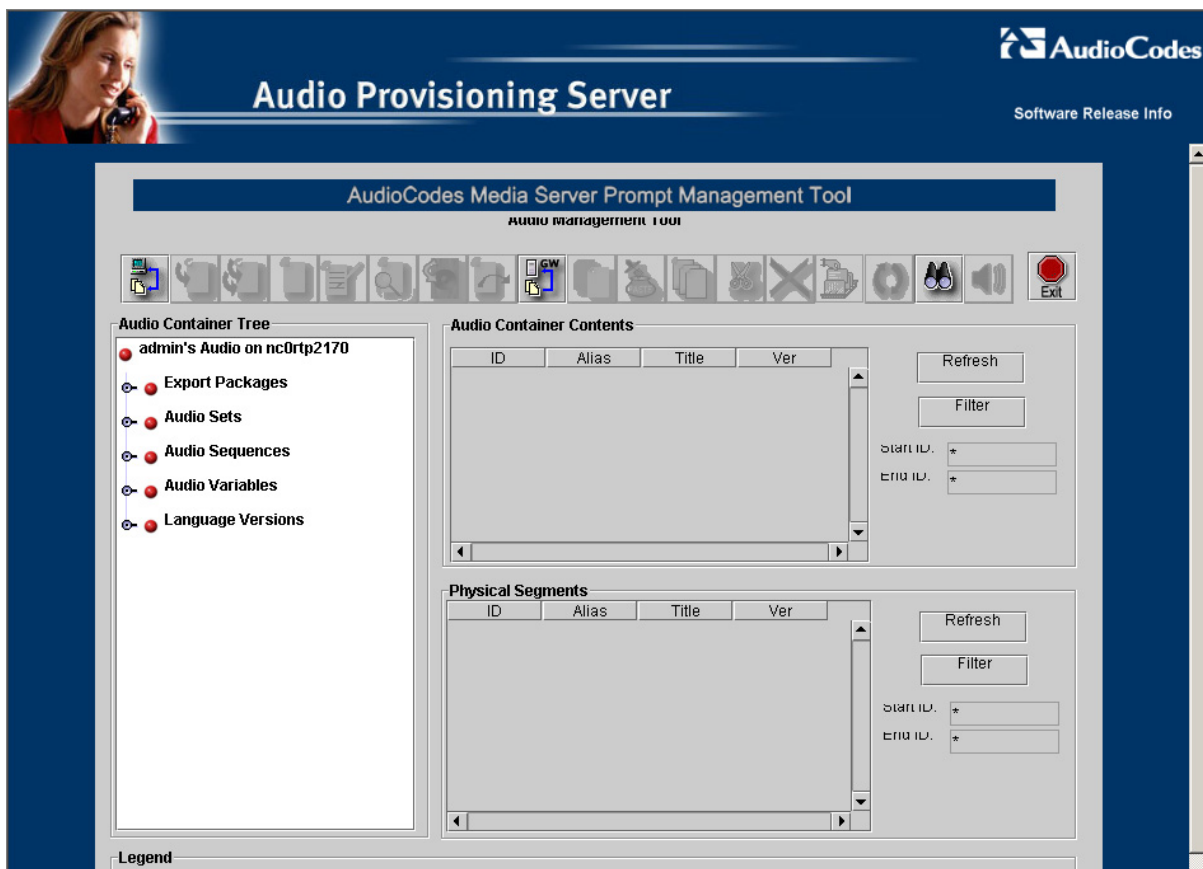
Operation	Package	Physical Segment	Set	Sequence	Variable
Create	x		x	x	x
Delete	x	x	x	x	x
Clone	x	x	x	x	x
Add segment	x		x	x	
Cut segment	x		x	x	
Export	x				
Lock	x				
Unlock	x				
Edit properties	x	x	x	x	x
Replace audio		x			
File upload		x			
Import		x			
Play		x			
Reorganize				x	
Find reference to		x	x	x	x
Find	x	x	x	x	x
Set default segment			x		
Edit selector type			x		

Audio management operations (Sheet 2 of 2)

Operation	Package	Physical Segment	Set	Sequence	Variable
Edit default language					X
Edit variable subtype					X
Distribute packages	X				

APS GUI Audio Management tool screen

The following illustration shows the APS GUI Audio Management tool screen.

APS Audio Management Tool Screen

Tool bar menu buttons

This section describes tool bar menu buttons on the APS Audio Management Tool screen.

The **File Upload** button is used for uploading audio files from a client machine to the APS.

The **Import** button enables you to import physical segments.

The **Bulk Import** button is used for adding one or more physical segments to a language version folder.

The **New** button creates new export packages, audio sets, audio sequences, audio variables, and language versions.

The **Edit** button enables you to edit the properties of export packages, sequences, sets, variables, and language versions.

The **Find Reference To** button finds all references to a specified segment.

The **Replace Audio** button is used for replacing the audio of a physical segment with another piece of audio.

The **Export** button is used to export an audio package from the database.

The **Distribute Packages** button distributes export packages to remote gateways.

The **Copy** button copies segments to the clipboard.

The **Paste** menu button enables you to paste copied segments into a container.

The **Clone** button is used for cloning a provisionable entity with the same properties, but a new segment ID or version.

The **Cut** button cuts (removes) a segment from a container, but not from the database.

The **Delete** button enables you to delete a provisionable entity from the database. The provisionable entity to be deleted, however, cannot be in a container.

The **Set Default Element** button enables you to change the default element of an audio set.

The **Reorder Sequence Elements** button reorders the elements of sequences. This determines the order in which the audio will play.

The **Find Provisionable Entity** button enables you to locate any provisionable entity that is stored in the database.

The **Play** button enables you to hear the audio file associated with a physical segment.

The **Exit** button exits you from the Audio Management screen.

Panel descriptions

This section describes the Audio Management screen panels and associated buttons.

The *Audio Container Tree* panel contains the Export Packages, Audio Sets, Audio Sequences, Audio Variables, and Language Versions folders and the contents of the folders. Clicking on the “handle” icon located next to each of the Audio Container Tree folders enables you to “expand,” or show, the contents of the folder.

The *Audio Container Contents* panel contains the Contents table, which displays the contents of the currently selected provisionable entity in the Audio Container Tree. The Refresh button updates the Contents table with the latest elements in the database based on the filter settings. The Filter button opens the Filter Dialog window, which allows the user to specify the range of IDS for provisionable entities they want to see. The Start ID and End ID fields contain the range of IDs for the elements of the selected provisionable entity displayed in the Contents table. The default is asterisk (*), which includes all of the IDs for the provisionable entity selected in the Audio Container Tree.

The *Physical Segments* panel contains the physical segment table, which displays import segments or physical segments depending on how the filter is set. The Refresh button updates the Physical Segments table with the latest physical segments in the database based on the filter settings. The Filter button opens the Physical Segments Filter Dialog window, which allows the user to specify import segments only or physical segments only. The Start ID and End ID fields contain the range of physical segments IDs displayed in the Physical Segments table. The default is *, which includes all the physical segments in the database.

The *Legend* panel associates the node handle color with the container or physical segment.

Media Server 2000 Series Configuration management procedures

MS 2000 Series Trunk Pack Modules (TPMs) are configured and maintained through a the Integrated EMS Configuration and Maintenance tool. In the SN08 release, the Integrated EMS graphical user interface tool replaces the Media Server 2000 CLUI (command line user interface) that was used in SN06.2 and SN07.

Note: Consult the Integrated EMS documentation Integrated EMS GUI operation and use.

Media Server 2000 Series Configuration procedures

Procedure
Displaying configuration settings for a Media Server 2000 node
Configuring a Media Server 2000 node
Downloading CMP, INI, DAT or VXML files to a Media Server 2000 node
Changing the SNMP community string passwords
Changing the web server password
Adding or deleting trap destinations for a Media Server 2000
Adding or deleting trusted managers for a Media Server 2000
Configuring Automated INI file backup on a Media Server 2000 node
Performing a soft reset on a Media Server 2000 series node
Performing a graceful lock on a Media Server 2000 series node
Performing a forced lock on a Media Server 2000 series node
Backing up the INI file to the Integrated EMS
Backing up the INI file to the tftp server

The embedded web server utility serves as an *emergency access interface*, and is used only when the MS 2000 Series Configuration Tool is unavailable. The following table lists embedded web server utility procedures used for configuring the Media Server 2000 Series.

Embedded web server utility procedures

Procedure
Performing a quick setup using the embedded web server utility
Changing network settings using the embedded web server utility
Changing regional settings using the embedded web server utility
Changing the login access for the embedded web server utility
Saving configuration to flash memory using the embedded web server utility
Resetting the IPM-1610 board using the embedded web server utility
Accessing the IPM-1610 or TP-6310 INI file using the embedded web server utility
Accessing version information using the embedded web server utility
Maintaining software updates using the embedded web server utility

APS Configuration management procedures

The following table lists configuration procedures used for identifying the APS in the CS 2000 Management Tools APS Manager network topology.

Configuration procedures used to identify an APS in the network topology

Procedure	Interface or Tool used
Adding an APS to the network topology	APS Manager
Deleting an APS from the network topology	APS Manager
Renaming an APS in the network topology	APS Manager
Configuring the CS 2000 Management Tool that receives traps	Command line

The following table lists APS system-specific configuration procedures.

APS system-specific configuration procedures

Procedure	Interface or Tool used
Configuring the SNMP agent	Command line
Configuring the APS for operation	APS GUI
Creating audio for an MS 2000 Series node	APS GUI

The following table lists APS GUI Administration general tasks.

APS GUI Administration general tasks

Procedure
Associate existing provision sets with a new MS 2000 Series node
Associate existing provision sets with an existing MS 2000 Series node
Playing a physical segment's audio file
Finding references to a provisionable entity
Editing APS System Parameters
Changing MS 2000 Series web server access

The following table lists APS GUI Administration procedures.

APS GUI Administration procedures (Sheet 1 of 2)

Type of element	Procedure
Selector Type	Creating a selector type
Selector Type	Listing selector types
Selector Type	Deleting a selector type
Selector Type	Adding a selector value to a selector type
Selector Type	Cutting a selector value from a selector type
Selector Value	Creating a selector value
Selector Value	Listing selector values
Selector Value	Deleting a selector value
Selector Value	Editing a selector value
User	Creating users
User	Listing users
User	Editing user profiles
User	Deactivating users from the database
Program Group	Creating a program group
Program Group	Listing program groups
Program Group	Deleting a program group
Program Group	Adding user IDs, segment IDs, or package IDs to a program group
Program Group	Cutting user IDs, segment IDs, or package IDs from a program group
Provision Set	Creating a provision set
Provision Set	Listing provision sets
Provision Set	Deleting a provision set

APS GUI Administration procedures (Sheet 2 of 2)

Type of element	Procedure
Provision Set	Adding program groups to a provision set
Provision Set	Cutting program groups from a provision set
MS 2000 Series Node	Creating an MS 2000 Series node
MS 2000 Series Node	Listing MS 2000 Series nodes
MS 2000 Series Node	Deleting an MS 2000 Series node
MS 2000 Series Node	Enabling provisioning of an MS 2000 Series node
MS 2000 Series Node	Disabling provisioning of an MS 2000 Series node
MS 2000 Series Node	Provisioning an MS 2000 Series node
MS 2000 Series Node	Adding a provision set to an MS 2000 Series node
MS 2000 Series Node	Cutting a provision set from an MS 2000 Series node

The following table lists APS GUI Audio Management general tasks.

APS GUI Audio Management general tasks

Procedure
Adding audio to the database
Adding audio to a language folder
Deleting audio from the database
Provisioning audio in multiple languages
Building an export package

The following table lists APS GUI Audio Management procedures.

APS GUI Audio Management procedures (Sheet 1 of 3)

Type of element	Procedure
Physical Segment	Uploading audio files
Physical Segment	Filtering physical segments
Physical Segment	Importing physical segments
Physical Segment	Editing physical segment properties
Physical Segment	Replacing audio
Physical Segment	Cloning a physical segment
Export Package	Creating an export package
Export Package	Locking and unlocking an export package
Export Package	Adding physical segments to an export package
Export Package	Adding simple sets to an export package
Export Package	Editing export package properties
Export Package	Cloning an export package
Export Package	Exporting audio packages
Export Package	Distributing audio packages
Audio Set	Creating audio sets
Audio Set	Adding segments to an audio set
Audio Set	Changing a set type
Audio Set	Editing audio sets
Audio Set	Changing the set element selector value
Audio Set	Changing the set default element
Audio Set	Cloning an audio set
Audio Sequence	Creating sequences

APS GUI Audio Management procedures (Sheet 2 of 3)

Type of element	Procedure
Audio Sequence	Adding segments to an audio sequence
Audio Sequence	Reordering sequence elements
Audio Sequence	Editing audio sequences
Audio Sequence	Cloning an audio sequence
Audio Variable	Creating audio variables
Audio Variable	Editing audio variables
Audio Variable	Changing the default language
Audio Variable	Changing the variable subtype
Audio Variable	Cloning an audio variable
Language Version	Displaying language version folder contents
Language Version	Creating language version folders and subfolders
Language Version	Editing language version properties
Language Version	Adding physical segments to a language version folder
Language Version	Deleting a language version folder
Language Version	Accessing a physical segment from a language version folder
Language Version	Deleting physical segments from a language version folder
Common Operation	Finding provisionable entities
Common Operation	Finding references to a segment
Common Operation	Deleting a provisionable entity
Common Operation	Setting a container filter
Common Operation	Cutting a segment from a container
Common Operation	Correcting an invalid or non-unique alias
Common Operation	Correcting an invalid or non-unique segment ID

APS GUI Audio Management procedures (Sheet 3 of 3)

Type of element	Procedure
Common Operation	Correcting invalid aliases and segment IDs
Common Operation	Correcting non-unique aliases and segment IDs

Language Audio files

The list of APS GUI reference Language Audio files appears below. These files comprise the last two thirds of this document, appearing in alphabetical order.

- Basque audio files
- Belgian Dutch audio files
- Cantonese audio files
- Catalan audio files
- Czech audio files
- English audio files
- French audio files
- Galician audio files
- German audio files
- Greek audio files
- Hebrew audio files
- Italian audio files
- Japanese audio files
- Korean audio files
- Malay audio files
- Mandarin audio files
- Netherlands Dutch audio files
- Portuguese audio files
- Spanish audio files
- Tagalog audio files
- Thai audio files
- Turkish audio files
- Vietnamese audio files

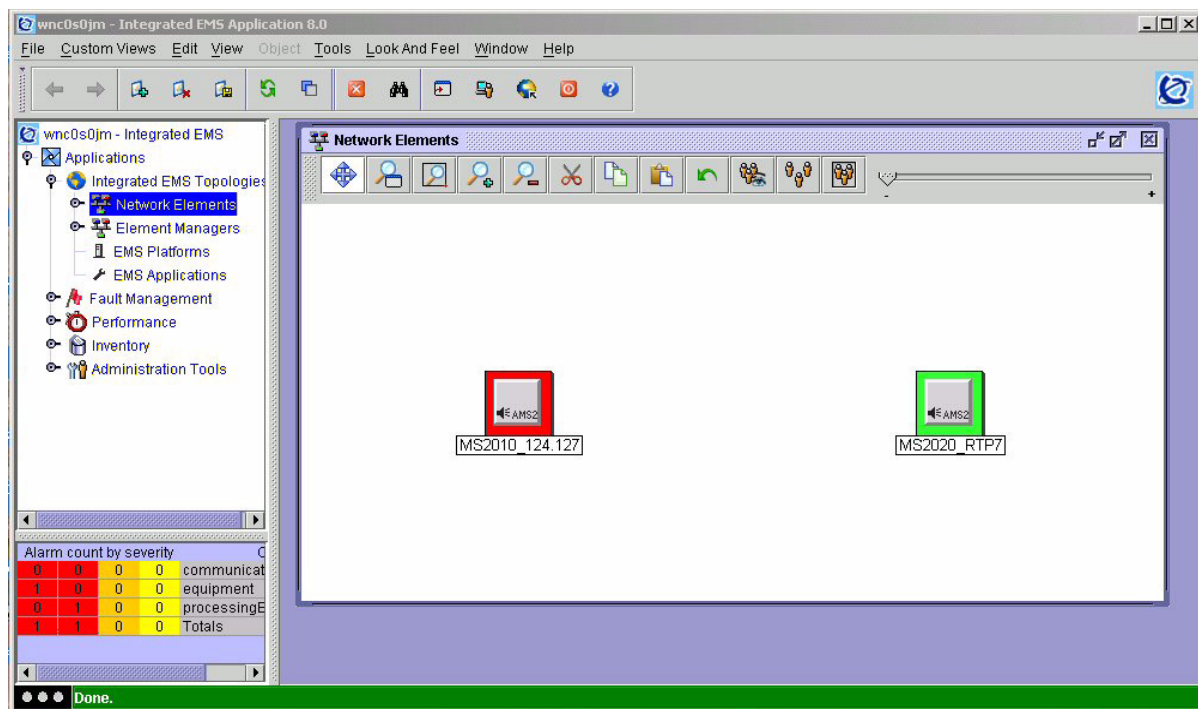
Displaying configuration settings for a Media Server 2000 node

This procedure enables you to display the configuration settings for a Media Server 2000 series node.

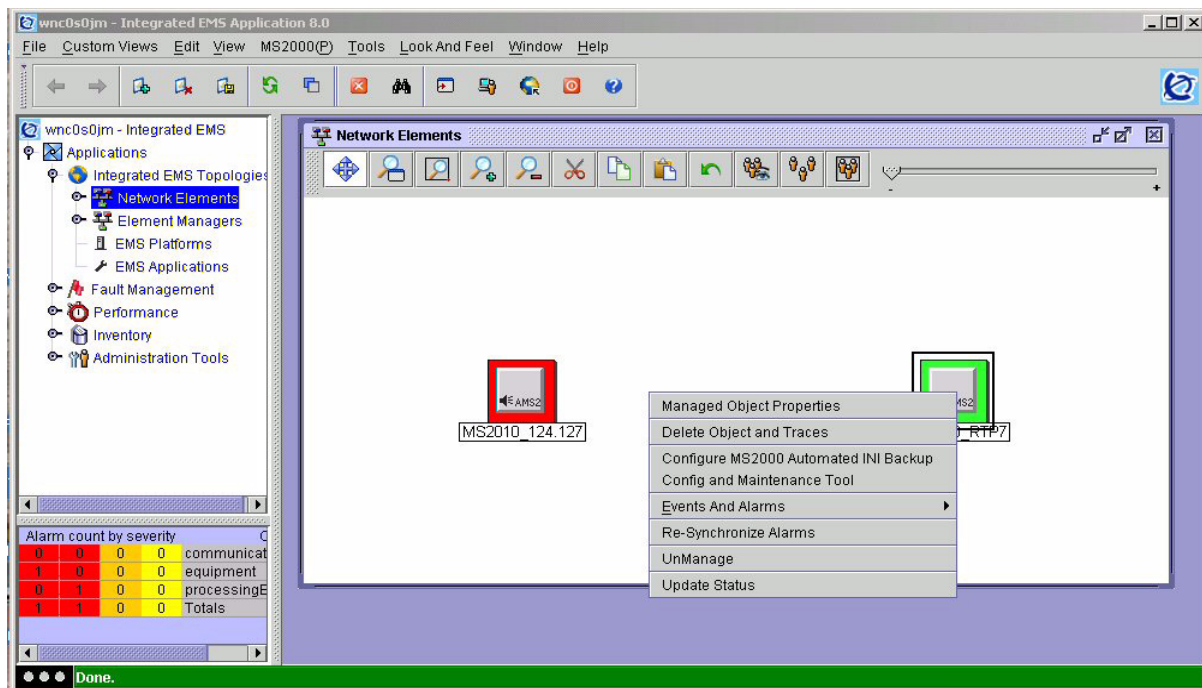
Refer to the *Integrated EMS Basics (NN10329-111)* to log into the Integrated EMS GUI.

From the Integrated EMS GUI main window

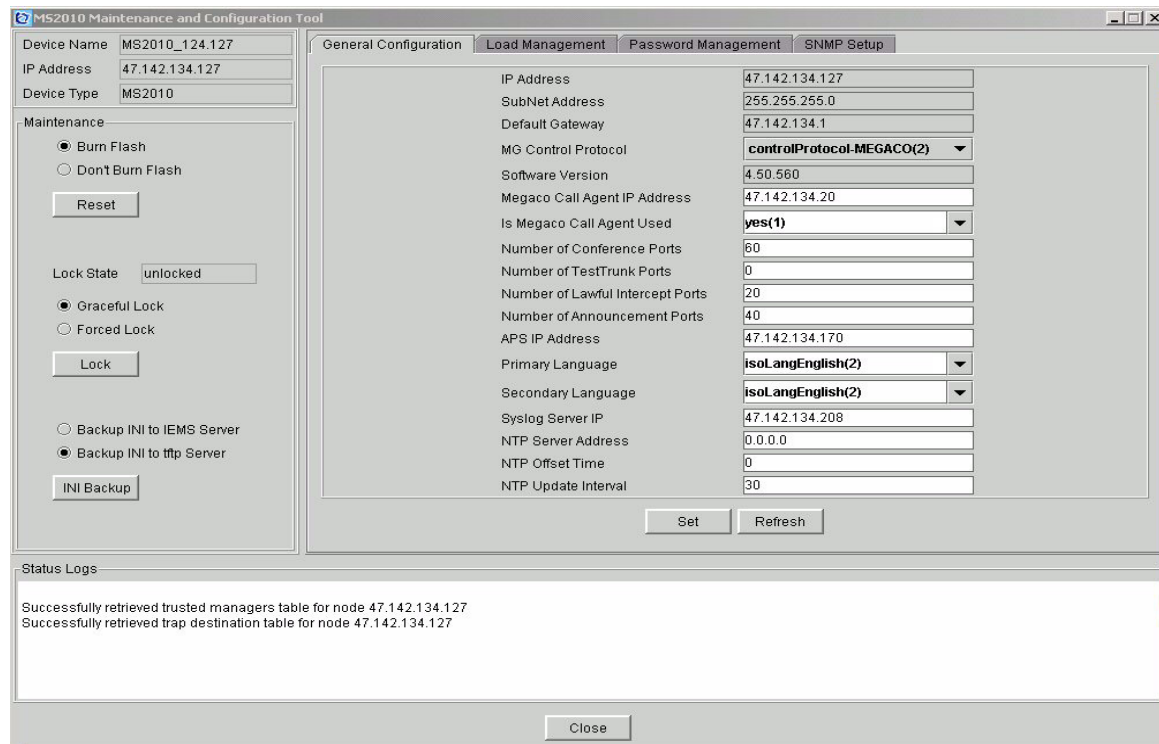
- 1 Select Applications -> Integrated EMS -> Network Elements (refer to the figure below).



- 2 Select the Media Server 2000 series node icon.
- 3 Right click the Media Server 2000 series node icon and select the *Config and Maintenance Tool* from the pop-up menu.



4 Select the *General Configuration* tab.



5 You have completed this procedure.

Configuring a Media Server 2000 node

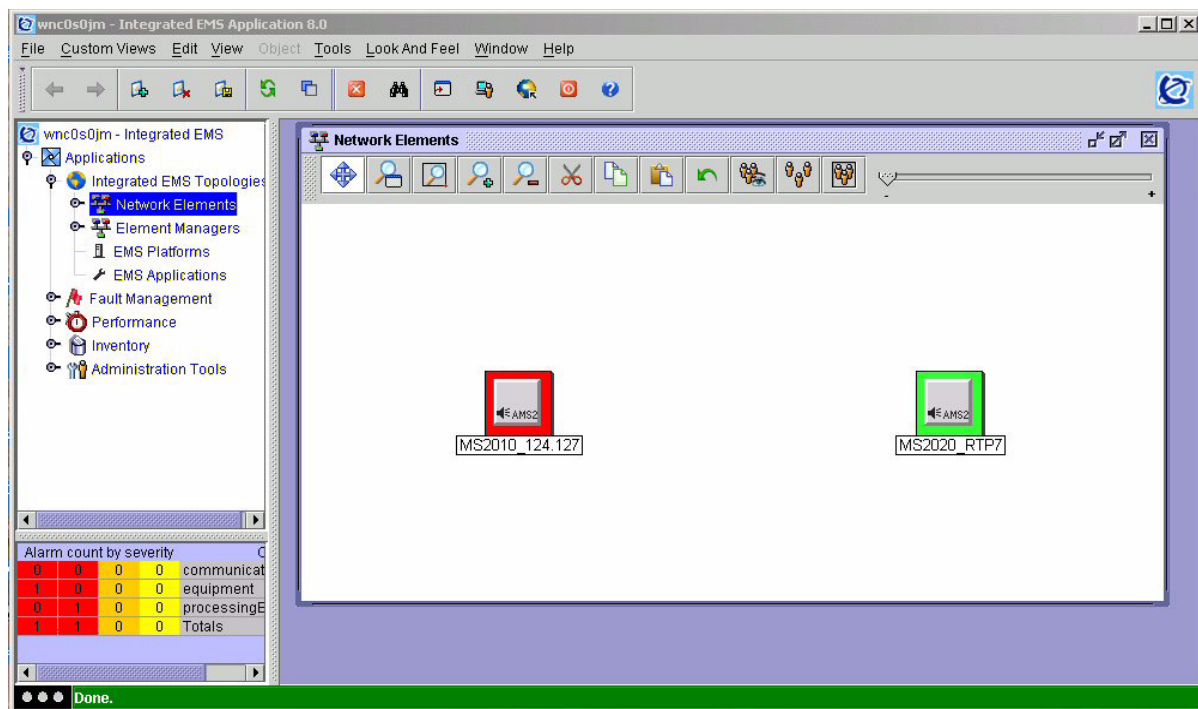
This procedure enables you to edit configuration settings for a Media Server 2000 series node.

Note: After making configuration changes, execute a soft reset of the Media Server to burn the new configuration to flash memory. Refer to the *Performing a soft reset on a Media Server 2000 series node* section of this document.

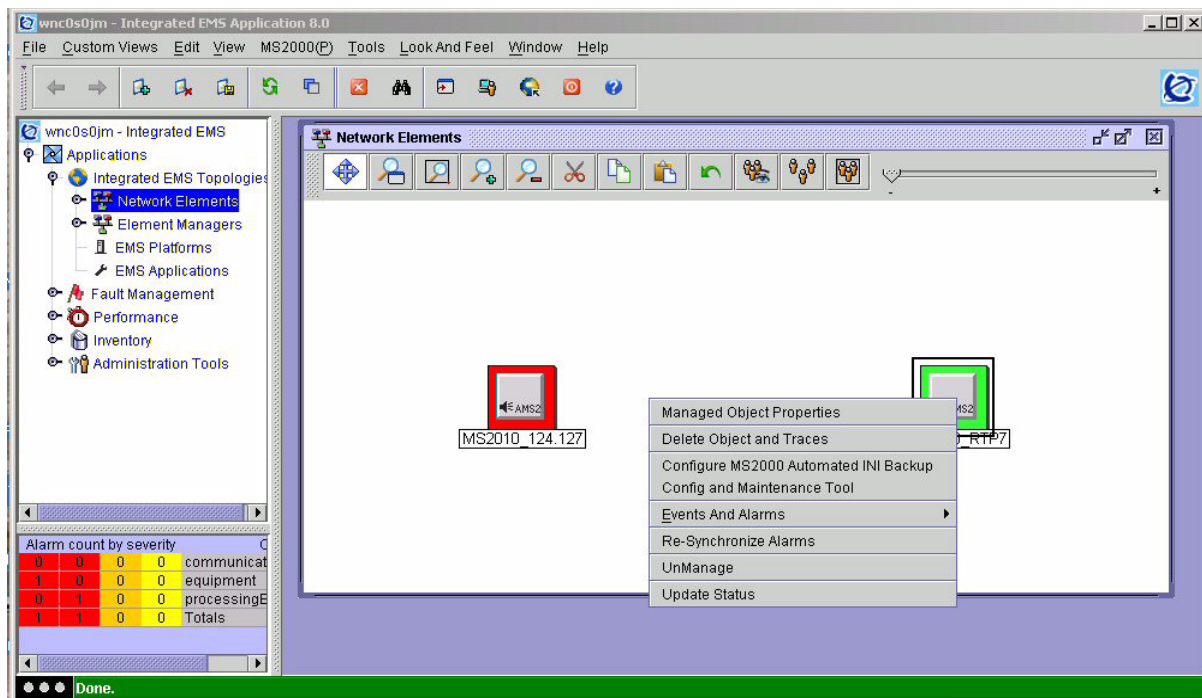
Refer to the *Integrated EMS Basics (NN10329-111)* to log into the Integrated EMS GUI.

From the Integrated EMS GUI main window

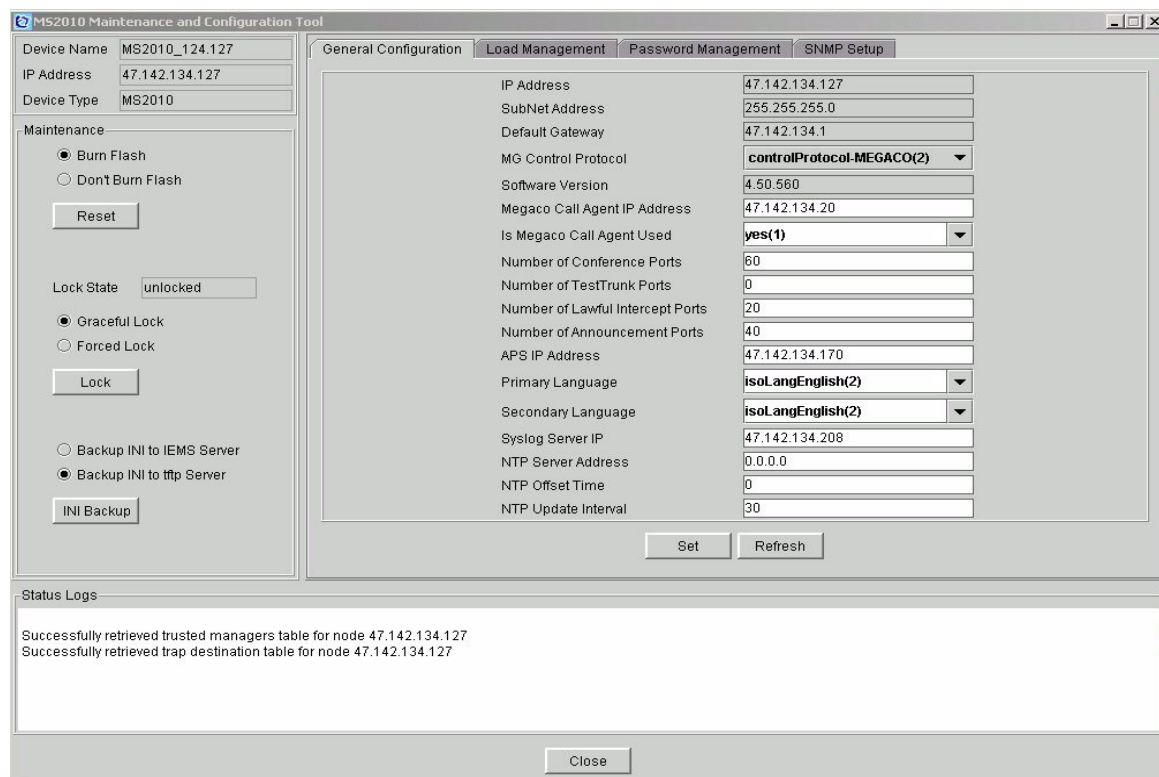
- 1 Select Applications -> Integrated EMS -> Network Elements (refer to the figure below).



- 2 Select the Media Server 2000 series node icon.
- 3 Right click the Media Server 2000 series node icon and select the *Config and Maintenance Tool* from the pop-up menu.



4 Select the *General Configuration* tab.



From this screen you can change general configuration settings as outlined in the following table.

General configuration parameters

Configuration parameter	Function and/or possible settings
Megaco Call Agent IP address	IP address of the Gateway Controller
Is a Megaco Call Agent Used	Determines whether a MEGACO Call Agent is used
Number of Conference Ports	MS2010: 0 through 120 MS2020: 0 through 240 or 0 through 480 depending on the feature key and configuration
Number of Test trunk Ports	MS2010: 0 through 120 MS2020: 0 through 240 or 0 through 480 depending on the feature key and configuration
Number of Lawful Intercept Ports (See Note 1 below)	MS2010: 0 through 120 MS2020: 0 through 240 or 0 through 480 depending on the feature key and configuration
Number of Packet Media Anchor Ports (See Note 2 below)	MS2010: 0 through 120 MS2020: 0 through 240 or 0 through 480 depending on the feature key and configuration
Number of Announcement Ports	MS2010: 0 through 120 MS2020: 0 through 240 or 0 through 480 depending on the feature key and configuration
APS IP Address	Audio Provisioning Server IP address
Primary Language	Language used for audio announcements. Since the CS 2000 processes calls with “primary” and “secondary” languages, the MS 2000 Series must know what language is being referred to in the “primary” language designation sent by the CS 2000. This is one of the ISO 639/T language codes plus UAS extensions.

General configuration parameters

Configuration parameter	Function and/or possible settings
Secondary Language	Language used for audio announcements. Since the CS 2000 processes calls with “primary” and “secondary” languages, the MS 2000 Series must know what language is being referred to in the “secondary” language designation sent by the CS 2000. This is one of the ISO 639/T language codes plus UAS extensions.
Syslog Server Address	IP address of the server on which syslog will be recorded
NTP Server Address	IP address of the NTP Server
NTP Offset Time	This is the time offset from Greenwich Mean Time (GMT). For example, enter -5 for the US Eastern time zone which is 5 hours behind GMT
NTP Update Interval	The update interval is measured in seconds. For example, a value of 86400 updates every 24 hours.

Note 1: If the Media Server 2000 Series system is used for dedicated Bearer Channel Tandeming (BCT) calls which require C-tone to be played, there must be audio endpoints provisioned for this purpose. In systems used ONLY for dedicated BCT, the ratio of Audio Endpoints to BCT endpoints should be 1:2 where 1/3 of your endpoints provide C-tone, and 2/3 of your endpoints provide the BCT capability. This ratio is such because the C-tone is played only to 2 of the 4 legs of a BCT call. If your system is used to provide announcements as well as dedicated BCT call scenarios, the ratio of audio endpoints to BCT endpoints needs to be higher than 1:2.

PLEASE NOTE: For switched BCT calls where C-tone is not required, there is no requirement for any audio endpoint provisioning (from a BCT perspective). So audio endpoints which are provisioned in such systems should correspond solely to the announcement requirements of the system.

Note 2: Each anchored call requires three BCT resources and one audio resource. Therefore, the number of Packet Media Anchor terminals provisioned for a node, must be at least 4 times the value of PKTMA_MAX_CALLS (as defined in table SERVSINV).

5 You have completed this procedure.

Downloading CMP, INI, DAT or VXML files to a Media Server 2000 node

This procedure enables you to download .cmp, .ini, .dat, or vxml files to a Media Server 2000 series node.

Prerequisite

Before you can download the *.cmp and *.ini files to the node they must appear in the proper directories on the IEMS server. If not, the files will not appear in the IEMS GUI pulldown choice lists.

The *.cmp file must exist in the /data/loads/audiocodes directory.

The *.ini file must exist in a subdirectory identified by the ip address of the node. For example,

/data/loads/audiocodes/172.17.40.220/172.17.40.220.ini.

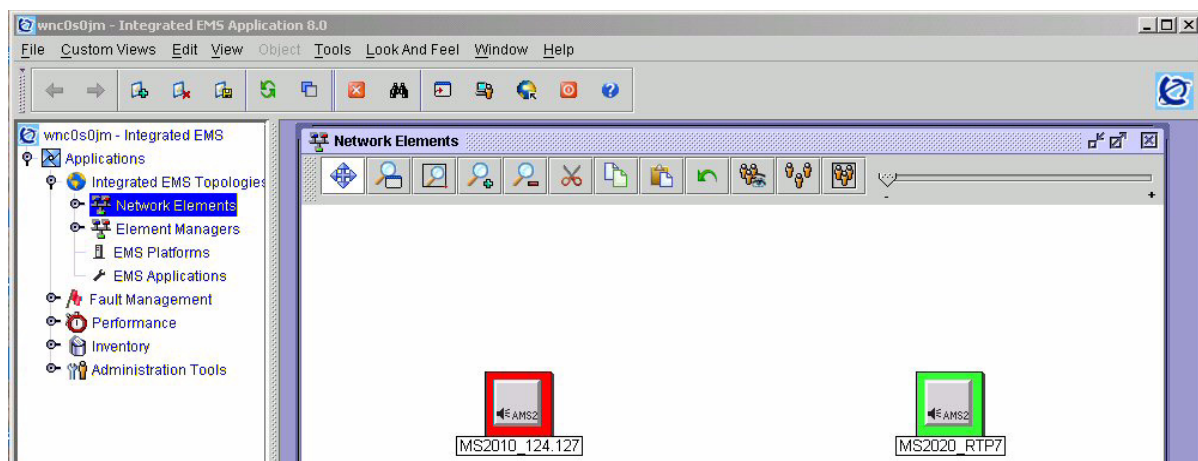
If the *.cmp and *.ini files are not in the appropriate directories, copy them to the directories listed above before proceeding.

Downloading load files

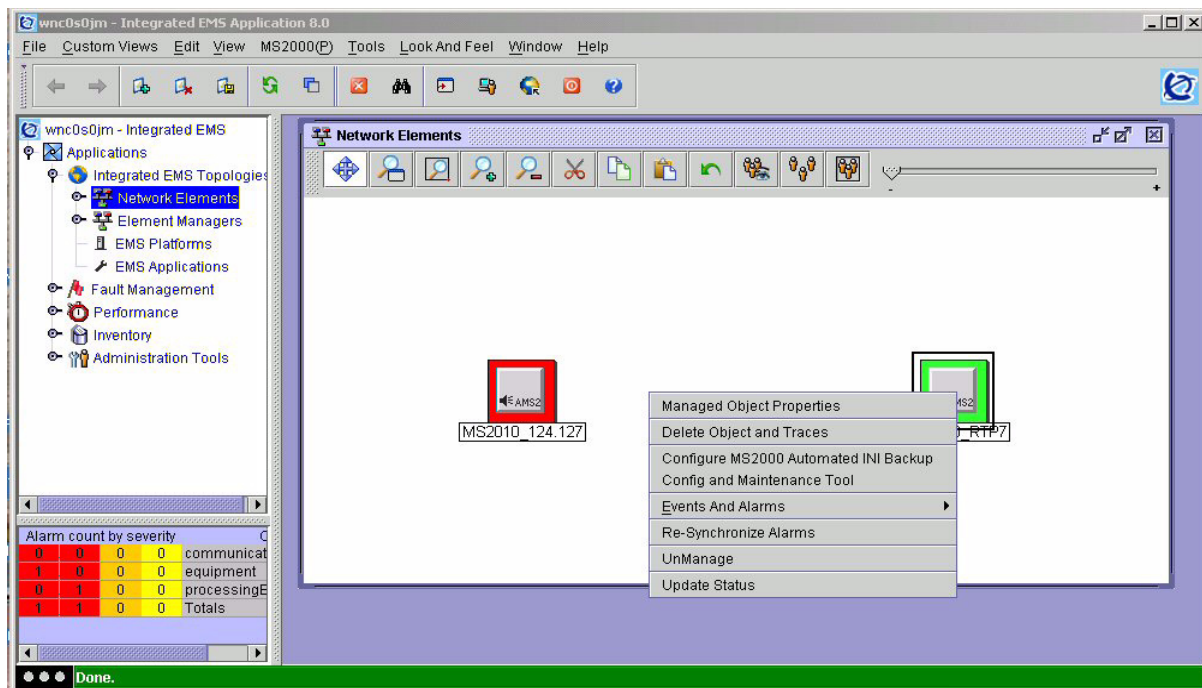
Refer to the *Integrated EMS Basics (NN10329-111)* to log into the Integrated EMS GUI.

From the Integrated EMS GUI main window

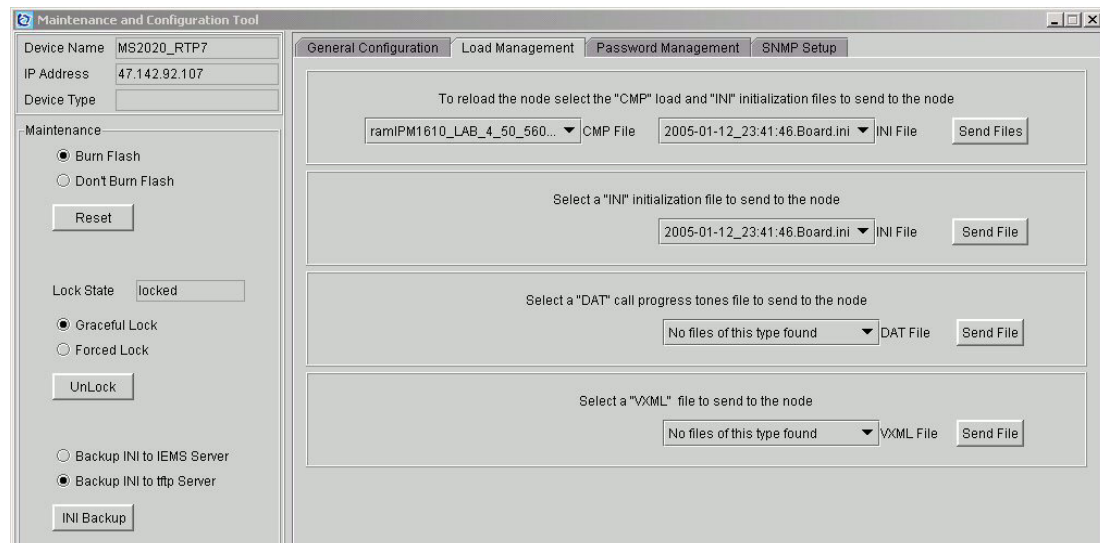
- 1 Select Applications -> Integrated EMS -> Network Elements (refer to the figure below).



- 2 Select the Media Server 2000 series node icon.
- 3 Right click the Media Server 2000 series node icon and select the *Config and Maintenance Tool* from the pop-up menu.



4 Select the *Load Management* tab.



5 Select the file(s) to download to the node using the drop down boxes.

6 Click the Send File(s) button to download the file(s) to the node.

7 You have completed this procedure.

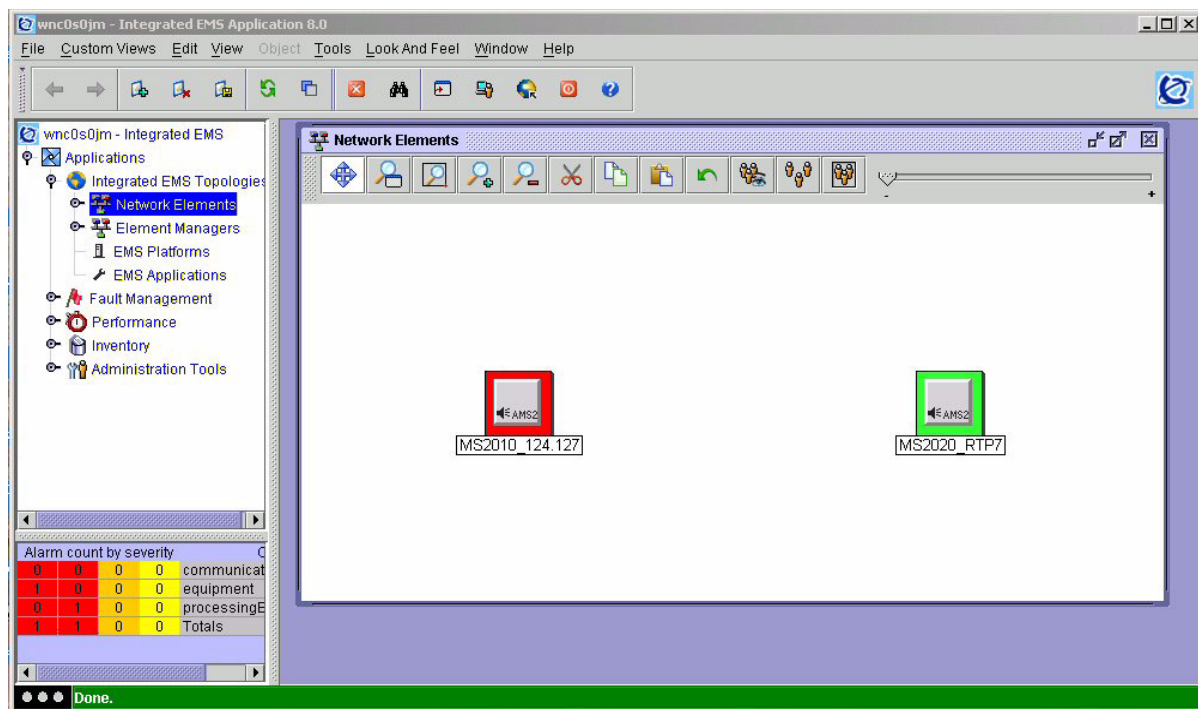
Changing the web server password

This procedure enables you to change the web server password for a Media Server 2000 series node.

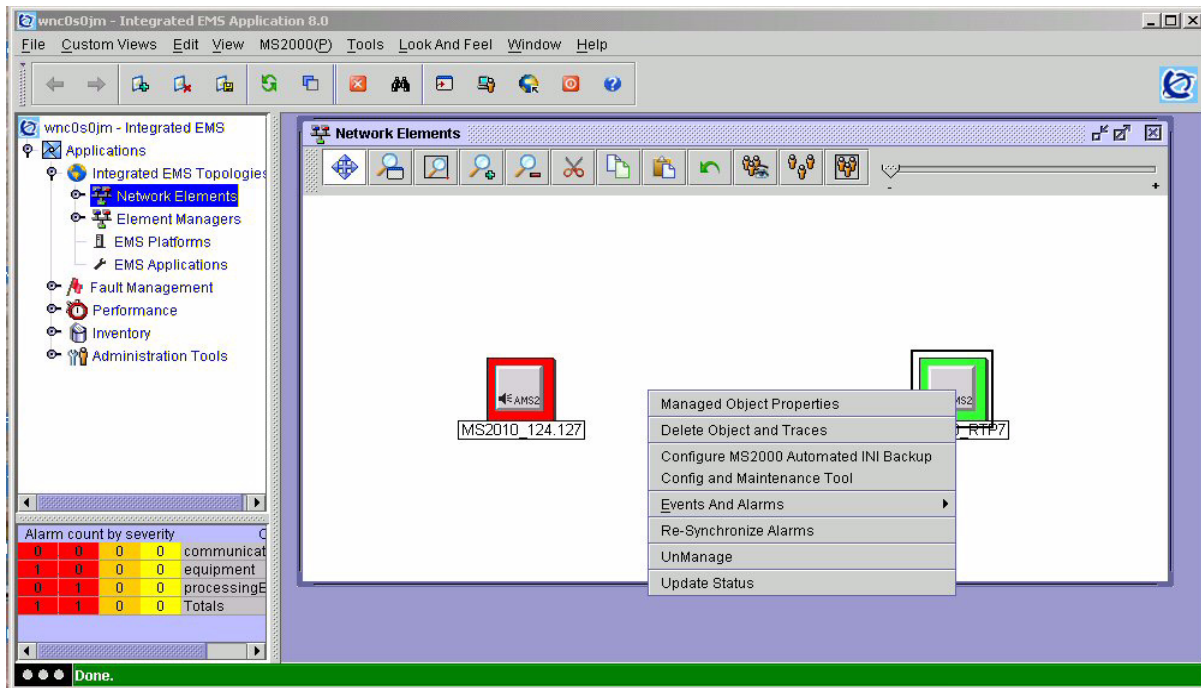
Refer to the *Integrated EMS Basics (NN10329-111)* to log into the Integrated EMS GUI.

From the Integrated EMS GUI main window

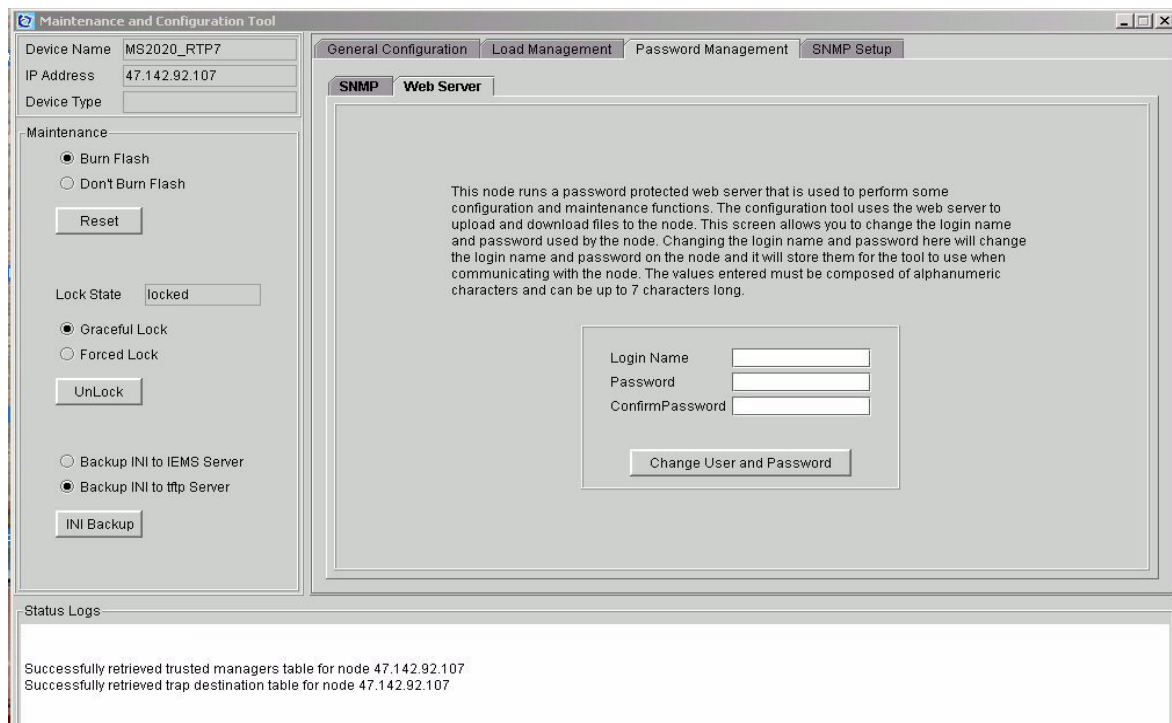
- 1 Select Applications -> Integrated EMS -> Network Elements (refer to the figure below).



- 2 Select the Media Server 2000 series node icon.
- 3 Right click the Media Server 2000 series node icon and select the *Config and Maintenance Tool* from the pop-up menu.



- 4 Select the *Password Management* tab.
- 5 Select the *Web Server* tab from the *Password Management* screen.



- 6** Enter the login name and password for the web server password.
- 7** Click the change user and password button to complete the password change.
- 8** You have completed this procedure.

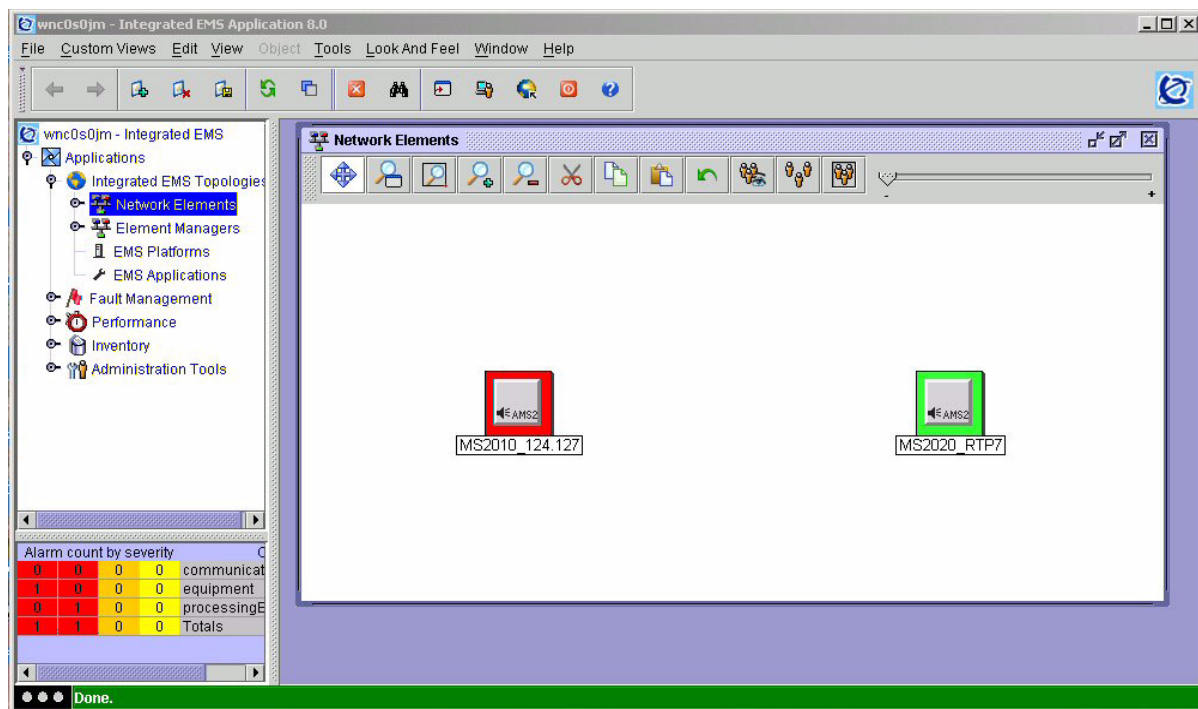
Adding or deleting trap destinations for a Media Server 2000

This procedure enables you to add or delete trap destinations for a Media Server 2000 series node.

Refer to the *Integrated EMS Basics (NN10329-111)* to log into the Integrated EMS GUI.

From the Integrated EMS GUI main window

- 1 Select Applications -> Integrated EMS -> Network Elements (refer to the figure below).



- 2 Select the Media Server 2000 series node icon.
- 3 Right click the Media Server 2000 series node icon and select the *Config and Maintenance Tool* from the pop-up menu.

6**If****Do**

you are adding trap destinations

step [7](#)

you are deleting trap destinations

step [9](#)**7**

Enter up to five trap destinations along with the associated ports into the trap destination table.

Note: You are allowed to define a total of five trap destinations.

8

Click the add button to add the trap destinations. Go to step [11](#).

9

Delete the trap entry and the associated port from the trap destination table.

10

Click the delete button to delete the trap destinations.

11

You have completed this procedure.

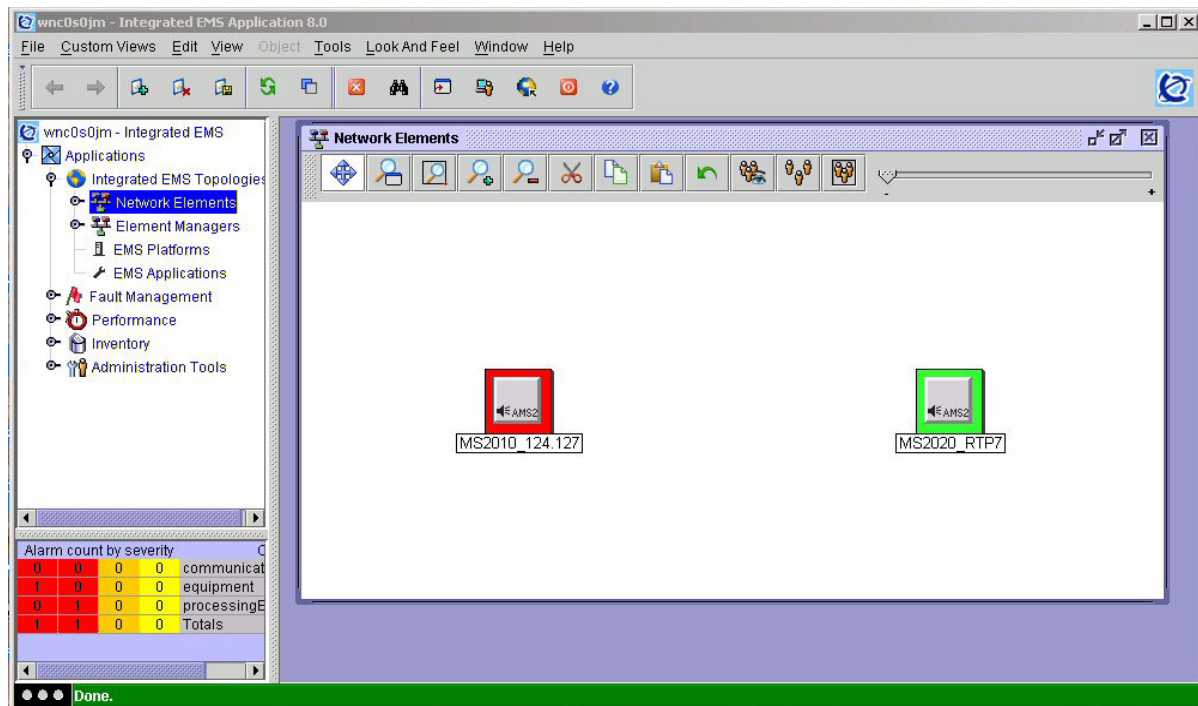
Changing the SNMP community string passwords

This procedure enables you to change the SNMP community string passwords for a Media Server 2000 series node. By default, the read and read-write SNMP community strings are *public* and *private*, respectively. Enter these into the Integrated EMS GUI when adding or changing the community string passwords.

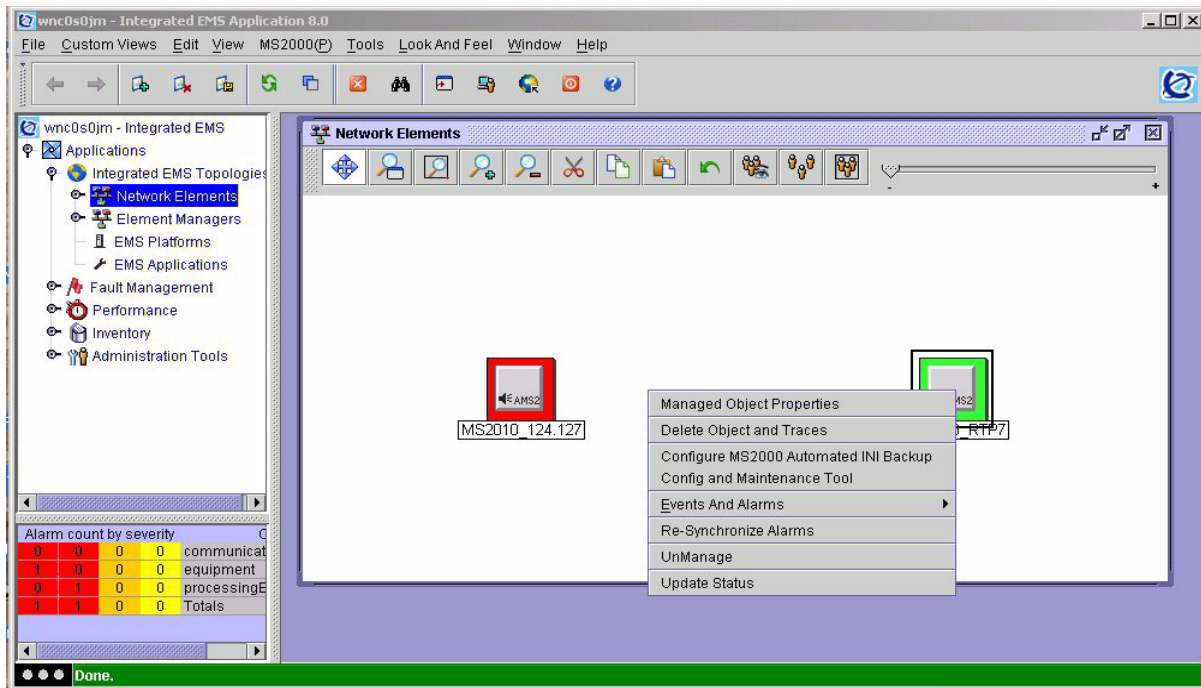
Refer to the *Integrated EMS Basics (NN10329-111)* to log into the Integrated EMS GUI.

From the Integrated EMS GUI main window

- 1 Select Applications -> Integrated EMS -> Network Elements (refer to the figure below).

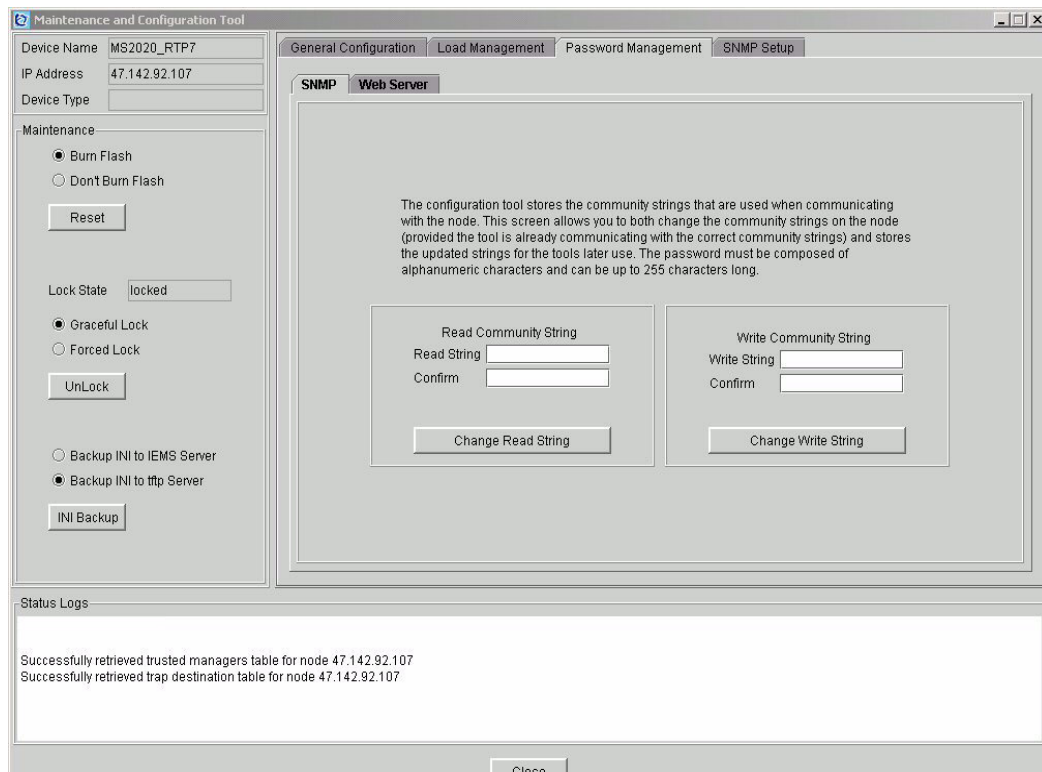


- 2 Select the Media Server 2000 series node icon.
- 3 Right click the Media Server 2000 series node icon and select the *Config and Maintenance Tool* from the pop-up menu.



4 Select the *Password Management* tab.

5 Select the *SNMP* tab from the *Password Management* screen.



- 6** Enter the passwords for the read or write community strings.
- 7** Click the change read or write string button to complete the password change.
- 8** You have completed this procedure.

Adding or deleting trusted managers for a Media Server 2000

This procedure enables you to add or delete trusted managers for a Media Server 2000 series node.

Note: Trusted managers are element managers from which the node accepts SNMP requests. If there are no trusted managers defined for the node, the node accepts requests from any element manager that provides a valid SNMP community string.



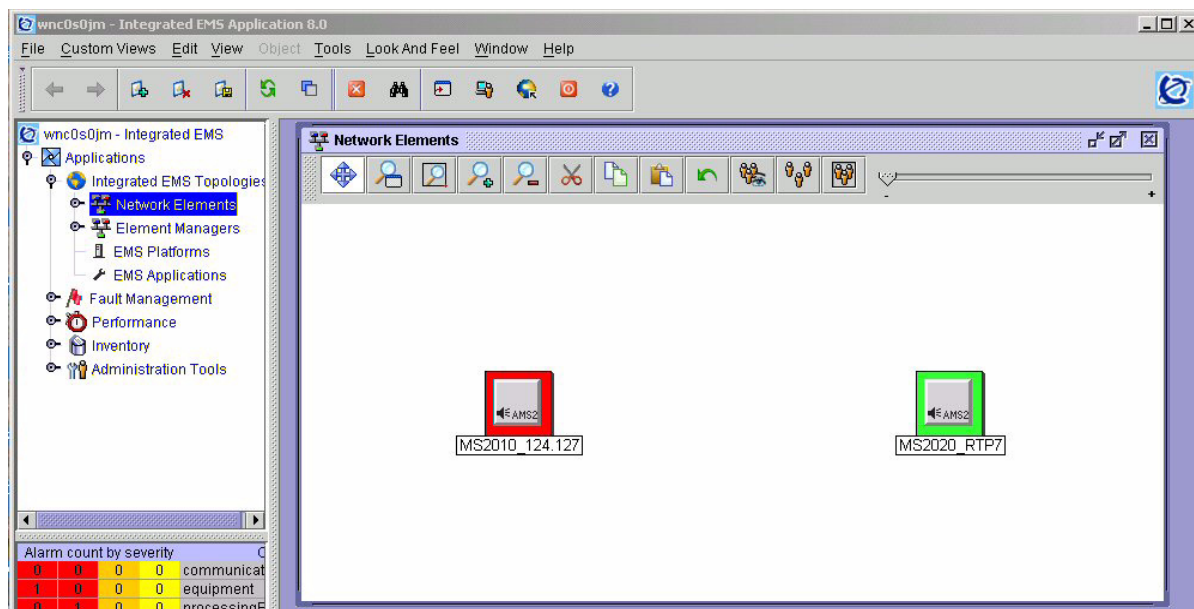
CAUTION

Once the first trusted manager is configured, the node accepts requests only from that element manager. Therefore, the first IP address added to the trusted managers table must be that of the server on which the configuration tool is running. If not, the configuration tool will not be able to communicate with the node.

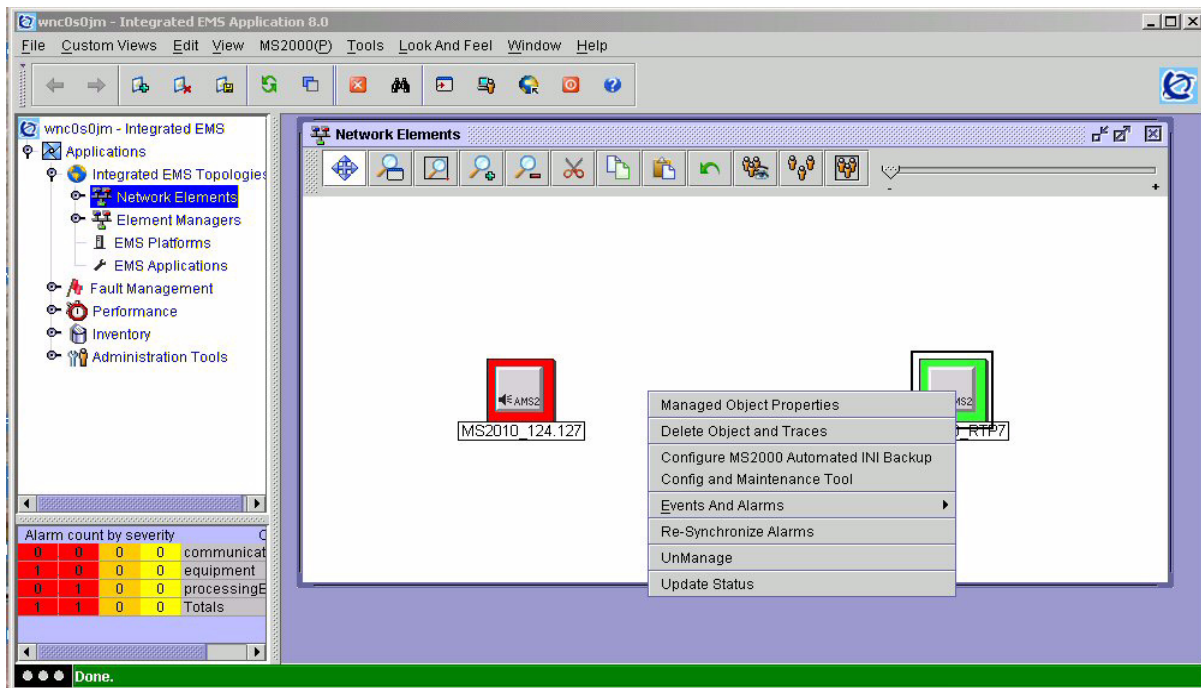
Refer to the *Integrated EMS Basics (NN10329-111)* to log into the Integrated EMS GUI.

From the Integrated EMS GUI main window

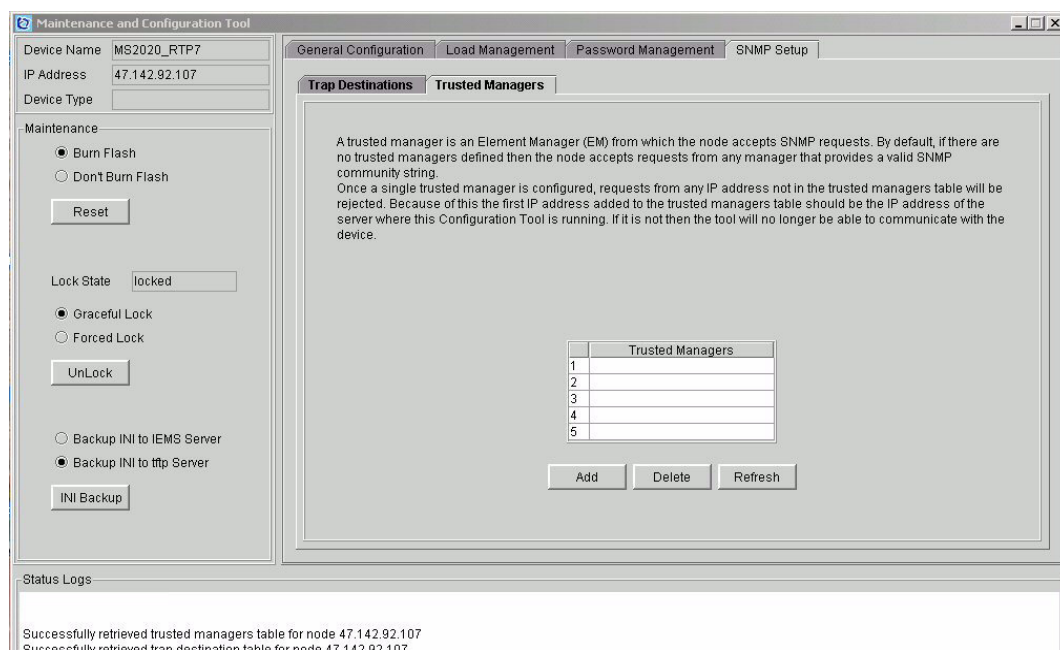
- 1 Select Applications -> Integrated EMS -> Network Elements (refer to the figure below).



- 2 Select the Media Server 2000 series node icon.
- 3 Right click the Media Server 2000 series node icon and select the *Config and Maintenance Tool* from the pop-up menu.



- 4 Select the *SNMP Setup* tab.
- 5 Select the *Trusted Managers* tab from the *SNMP Setup* screen.



6

If	Do
you are adding trusted managers	step 7
you are deleting trusted managers	step 9

7**CAUTION**

Once the first trusted manager is configured, the node accepts requests only from that element manager. Therefore, the first IP address added to the trusted managers table must be that of the server on which the configuration tool is running. If not, the configuration tool will not be able to communicate with the node.

Enter the IP address(es) of the trusted manager(s), making sure the first entry is the server on which the configuration tool is running.

8 Click the add button to add the trap destinations. Go to step [12](#).**9****CAUTION**

Do not delete the first IP address, the server on which the configuration tool is running unless all other trusted managers have been deleted. If you delete the IP address of the server on which the configuration tool is running and leave other element managers in the trusted managers table, the configuration tool will not be able to communicate with the node.

Select the trap entry in the trusted managers table that you are deleting.

10 Click the delete button to delete the trap destinations.**11** Repeat steps [9](#) and [10](#) to delete additional trap destinations.**12** You have completed this procedure.

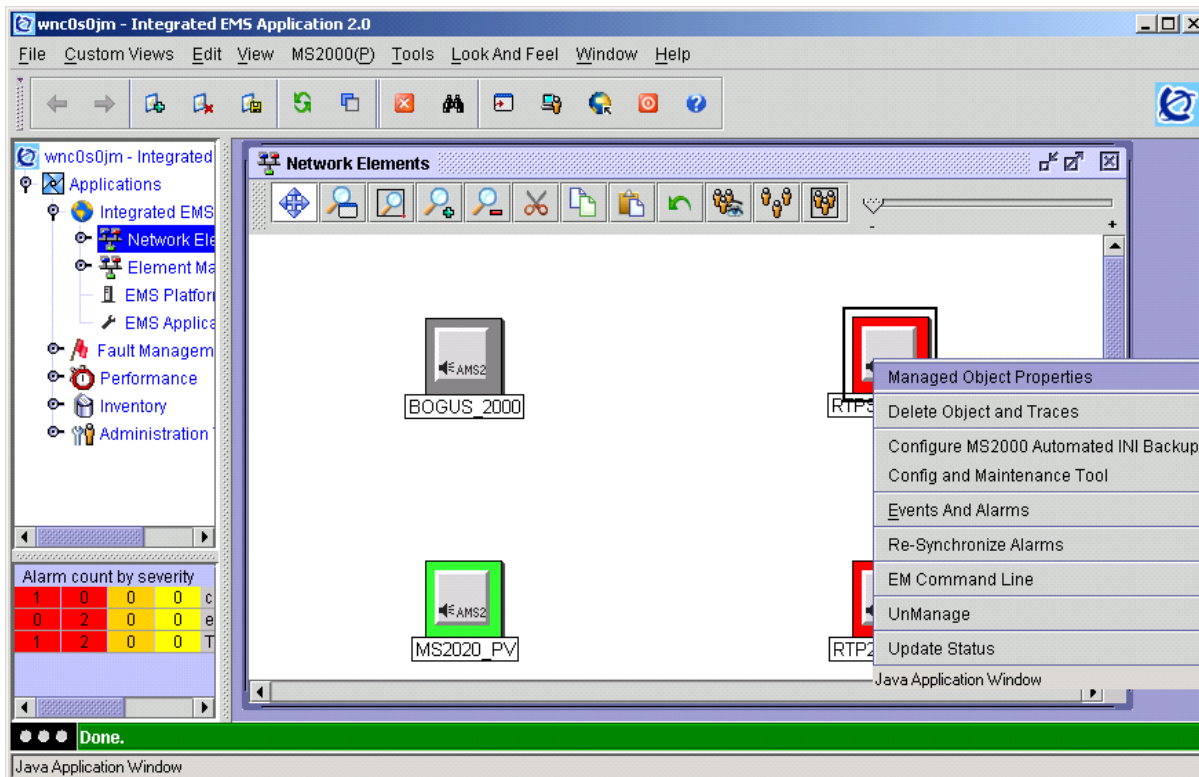
Configuring Automated INI file backup on a Media Server 2000 node

This procedure enables you to configure automated INI file backups.

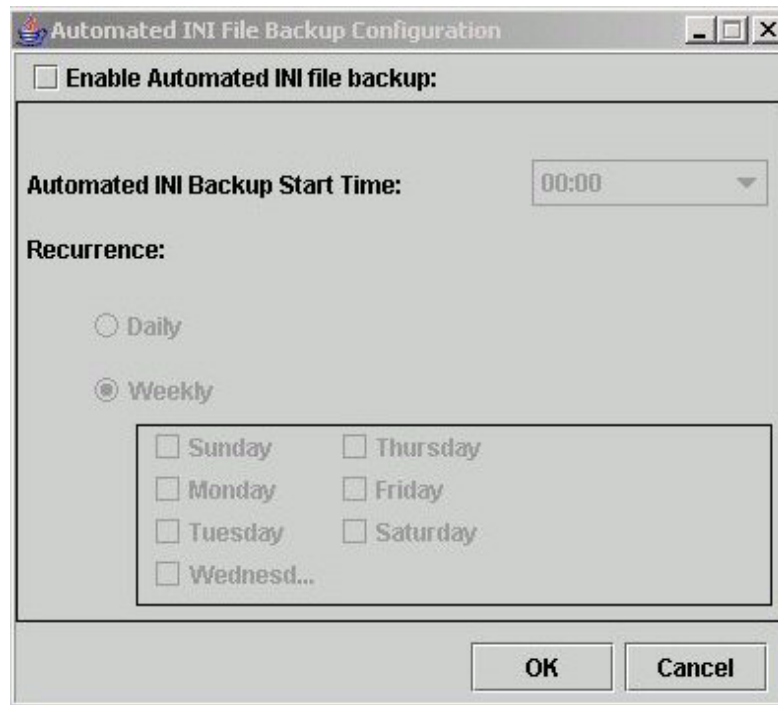
Refer to the *Integrated EMS Basics (NN10329-111)* to log into the Integrated EMS GUI.

From the Integrated EMS GUI main window

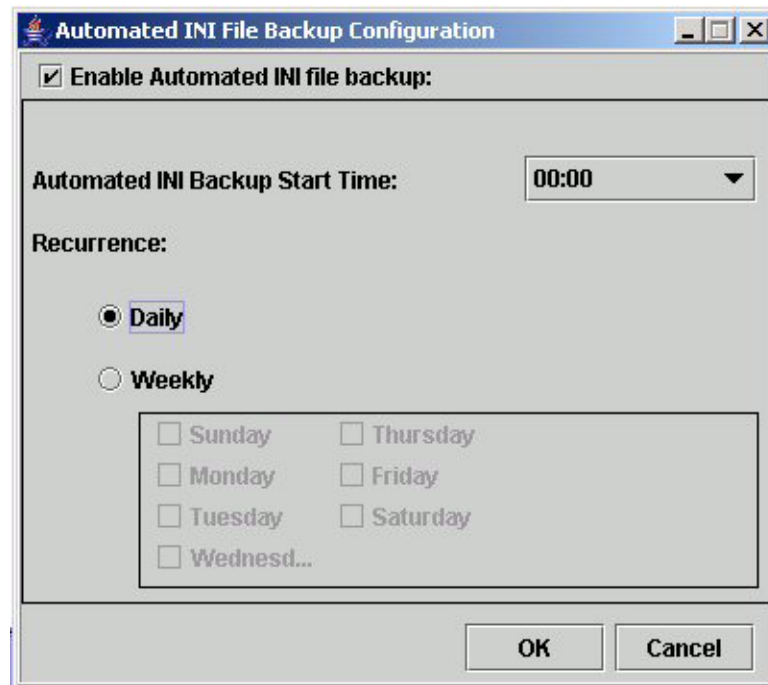
- 1 Select Applications -> Integrated EMS -> Network Elements (refer to the figure below).

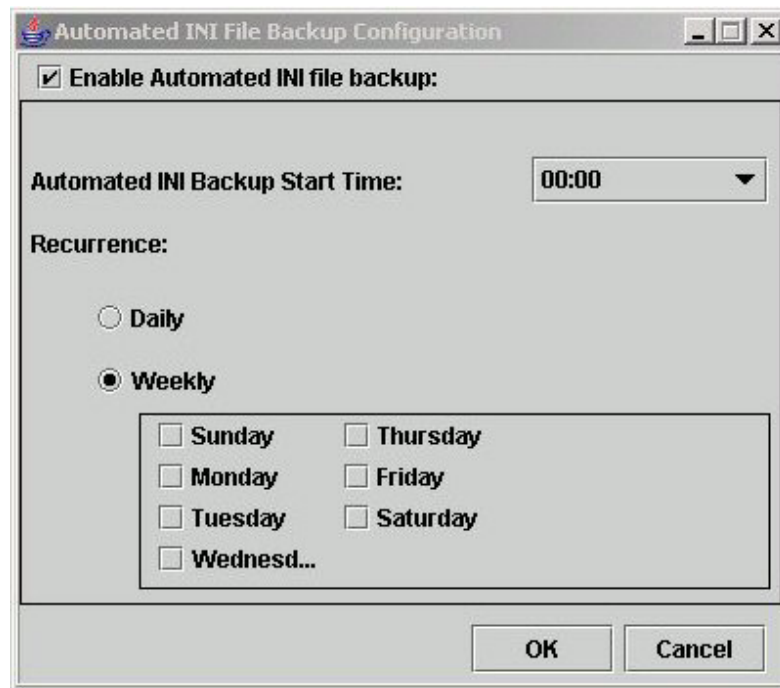


- 2 Select the Media Server 2000 series node.
- 3 Right click the Media Server 2000 series node and select *Configure MS2000 Automated INI Backup* from the pop-up menu. The *Automated INI File Backup Configuration* pop-up menu displays.



- 4 Click on the *Enable Automated INI file backup* box. The Middle portion of the pop-up window changes from gray to black. If the Weekly radio button is selected, the days of the week listed at the bottom of the screen are black as well.





- 5 Enter a start time for the backup.
- 6 Click the radio button for either daily or weekly automated backups.
- 7 If the weekly radio button is selected, click the boxes of the day(s) of the week for which you want the backup to occur.
- 8 Click on the *OK* button to complete the automatic INI backup configuration.
- 9 You have completed this procedure.

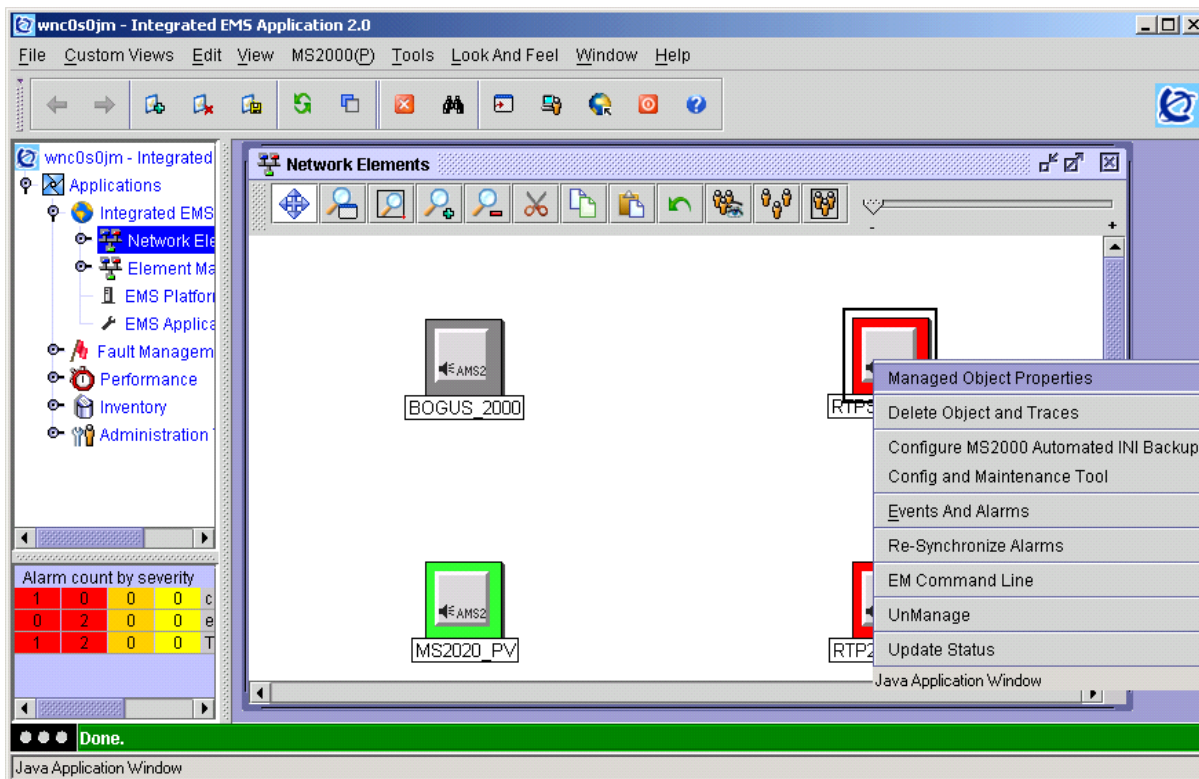
Performing a soft reset on a Media Server 2000 series node

This procedure enables you to perform a soft reset on a Media Server 2000 node.

Refer to the *Integrated EMS Basics (NN10329-111)* to log into the Integrated EMS GUI.

From the Integrated EMS GUI main window

- 1 Select Applications -> Integrated EMS -> Network Elements (refer to the figure below).



- 2 Select the Media Server 2000 series node.
- 3 Right click the Media Server 2000 series node and select *Config and Maintenance Tool* from the pop-up menu. The *Maintenance and Configuration Tool* menu displays.

The maintenance menu is located on the left side of the *Maintenance and Configuration Tool* screen.

- 4 Click on the either the *Burn Flash* or *Don't Burn Flash* radio button.

Note: Selecting *Burn Flash* burns the current node configuration into the flash memory prior to resetting the Media Server 2000 Series node.

- 5 Click the *Reset* box to restart the node.
- 6 You have completed this procedure.

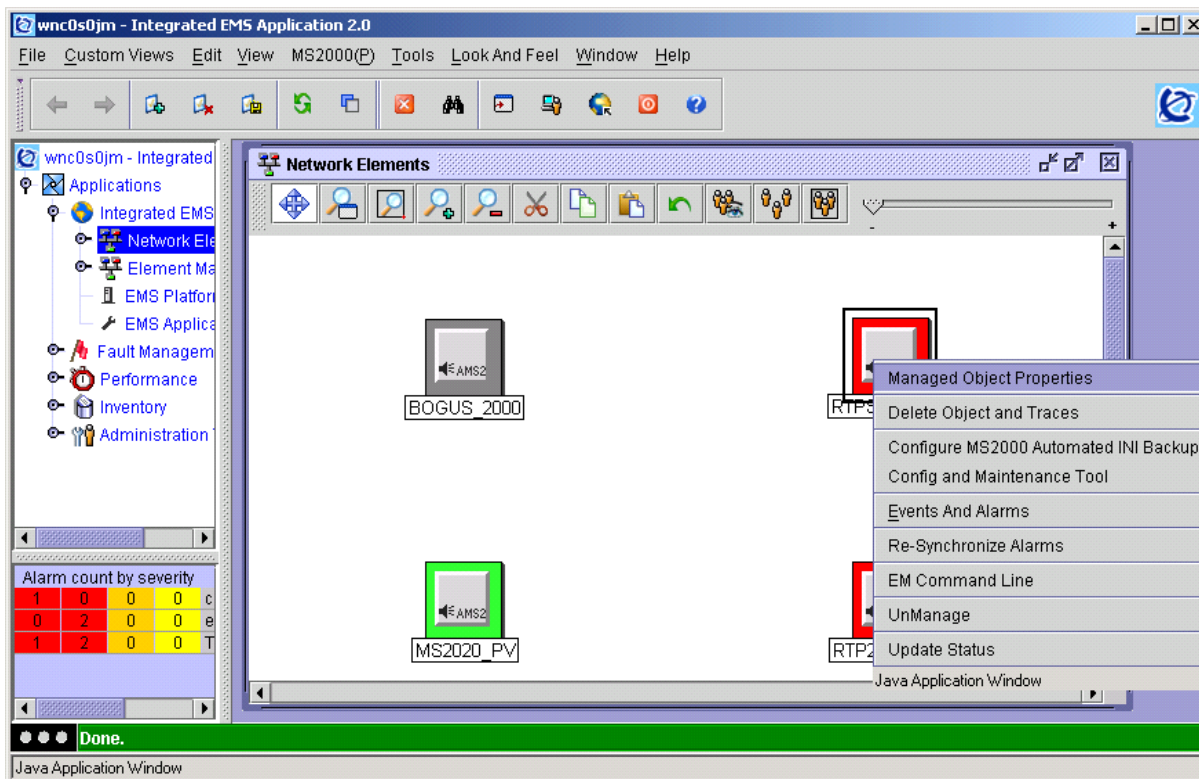
Performing a graceful lock on a Media Server 2000 series node

This procedure enables you to perform graceful lock on a Media Server 2000 node.

Refer to the *Integrated EMS Basics (NN10329-111)* to log into the Integrated EMS GUI.

From the Integrated EMS GUI main window

- 1 Select Applications -> Integrated EMS -> Network Elements (refer to the figure below).



- 2 Select the Media Server 2000 series node.
- 3 Right click the Media Server 2000 series node and select *Config and Maintenance Tool* from the pop-up menu. The *Maintenance and Configuration Tool* menu displays.

The maintenance menu is located on the left side of the *Maintenance and Configuration Tool* screen.

MS2010 Maintenance and Configuration Tool

Device Name: MS2010_124.127
IP Address: 47.142.134.127
Device Type: MS2010

Maintenance

☒ Burn Flash
☐ Don't Burn Flash
Reset

Lock State: unlocked

☒ Graceful Lock
☐ Forced Lock
Lock

☐ Backup INI to IEMS Server
☒ Backup INI to http Server
INI Backup

General Configuration

IP Address: 47.142.134.127
SubNet Address: 255.255.255.0
Default Gateway: 47.142.134.1
MG Control Protocol: controlProtocol-MEGACO(2)
Software Version: 4.50.560
Megaco Call Agent IP Address: 47.142.134.20
Is Megaco Call Agent Used: yes(1)
Number of Conference Ports: 60
Number of TestTrunk Ports: 0
Number of Lawful Intercept Ports: 20
Number of Announcement Ports: 40
APS IP Address: 47.142.134.170
Primary Language: isol.angEnglish(2)
Secondary Language: isol.angEnglish(2)
Syslog Server IP: 47.142.134.208
NTP Server Address: 0.0.0.0
NTP Offset Time: 0
NTP Update Interval: 30

Set Refresh

Status Logs

Successfully retrieved trusted managers table for node 47.142.134.127
Successfully retrieved trap destination table for node 47.142.134.127

Close

- 4 Click on the *Graceful Lock* radio button.

Note: Performing a graceful lock on the node will take it out of service after any active calls have completed.

Lock State: unlocked

☒ Graceful Lock
☐ Forced Lock

Lock

- 5 Click the *Lock* button to lock the node.
- 6 You have completed this procedure.

Performing a forced lock on a Media Server 2000 series node

This procedure enables you to perform forced lock on a Media Server 2000 node.



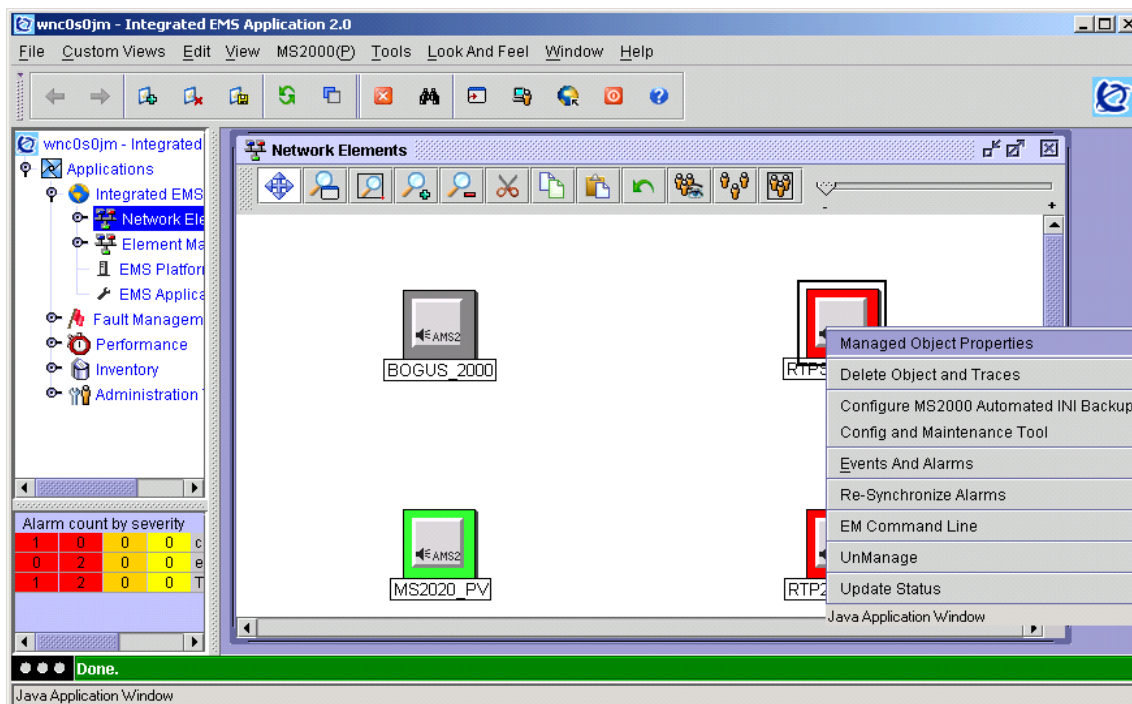
CAUTION

Performing a forced lock on the node will take it out of service immediately. Active calls will be dropped!

Refer to the *Integrated EMS Basics (NN10329-111)* to log into the Integrated EMS GUI. If you cannot lock the Media Server 2000 node, verify the read-write community string for the Media Server device. The read-write community string for the Media Server 2000 device must be correct in order to lock and unlock a Media Server 2000. Also, the read-write community strings must be correct in the Integrated EMS and on the Media Server 2000 in order to communicate with each other for maintenance and configuration.

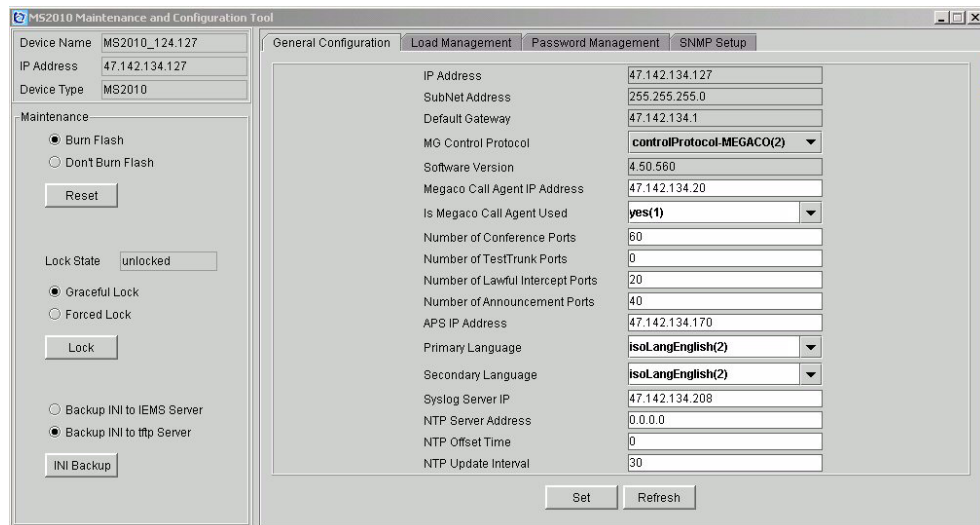
From the Integrated EMS GUI main window

- 1 Select Applications -> Integrated EMS -> Network Elements (refer to the figure below).



- 2 Select the Media Server 2000 series node.
- 3 Right click the Media Server 2000 series node and select *Config and Maintenance Tool* from the pop-up menu. The *Maintenance and Configuration Tool* menu displays.

The maintenance menu is located on the left side of the *Maintenance and Configuration Tool* screen.

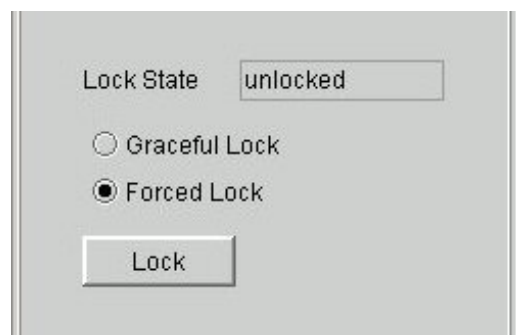


- 4 Click on the *Forced Lock* radio button.



CAUTION

Performing a forced lock on the node will take it out of service immediately. Active calls will be dropped!



- 5 Click the *Lock* button to lock the node.

6 You have completed this procedure.

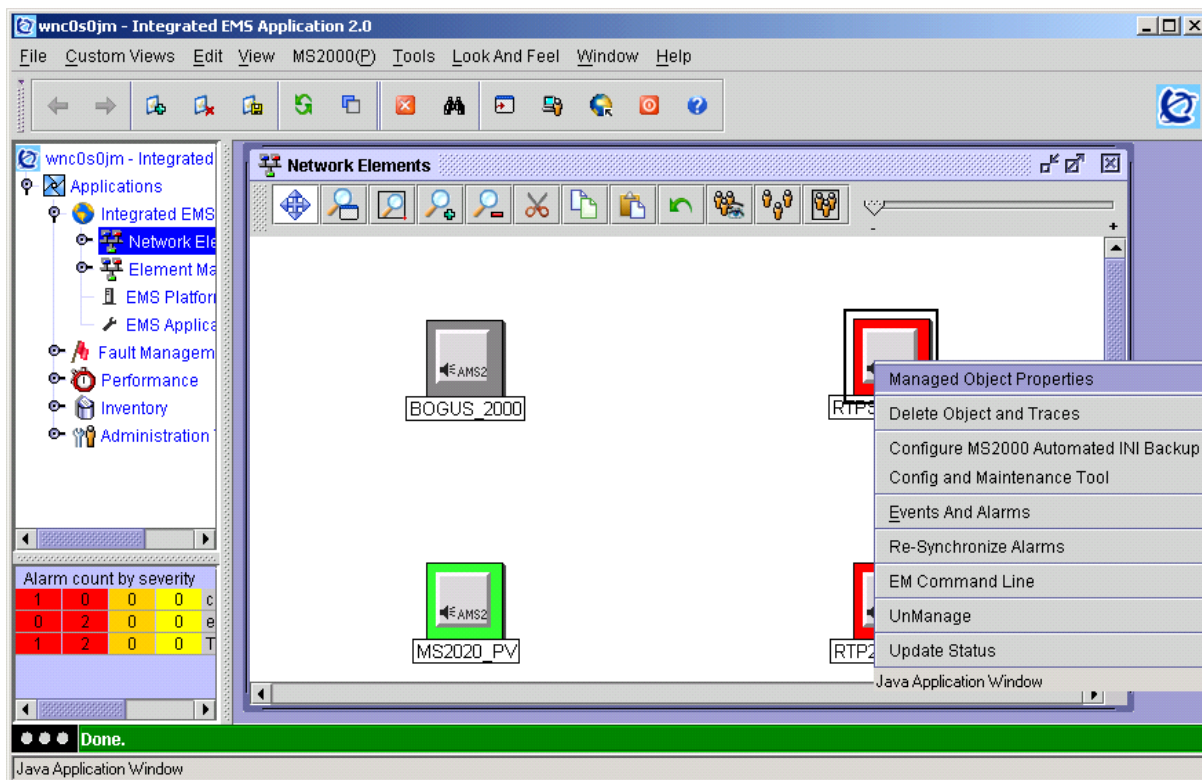
Backing up the INI file to the Integrated EMS

This procedure enables you to send the INI file to the Integrated EMS.

Refer to the *Integrated EMS Basics (NN10329-111)* to log into the Integrated EMS GUI.

From the Integrated EMS GUI main window

- 1 Select Applications -> Integrated EMS -> Network Elements (refer to the figure below).



- 2 Select the Media Server 2000 series node.
- 3 Right click the Media Server 2000 series node and select *Config and Maintenance Tool* from the pop-up menu. The *Maintenance and Configuration Tool* menu displays.

The maintenance menu is located on the left side of the *Maintenance and Configuration Tool* screen.

MS2010 Maintenance and Configuration Tool

Device Name: MS2010_124.127
 IP Address: 47.142.134.127
 Device Type: MS2010

Maintenance

☒ Burn Flash
☐ Don't Burn Flash
 Reset

Lock State: unlocked

☒ Graceful Lock
☐ Forced Lock
 Lock

☐ Backup INI to IEMS Server
☒ Backup INI to tftp Server
 INI Backup

General Configuration

IP Address: 47.142.134.127
 SubNet Address: 255.255.255.0
 Default Gateway: 47.142.134.1
 MG Control Protocol: controlProtocol-MEGACO(2)
 Software Version: 4.50.560
 Megaco Call Agent IP Address: 47.142.134.20
 Is Megaco Call Agent Used: yes(1)
 Number of Conference Ports: 60
 Number of TestTrunk Ports: 0
 Number of Lawful Intercept Ports: 20
 Number of Announcement Ports: 40
 APS IP Address: 47.142.134.170
 Primary Language: isoLangEnglish(2)
 Secondary Language: isoLangEnglish(2)
 Syslog Server IP: 47.142.134.208
 NTP Server Address: 0.0.0.0
 NTP Offset Time: 0
 NTP Update Interval: 30

Set Refresh

Status Logs

Successfully retrieved trusted managers table for node 47.142.134.127
 Successfully retrieved trap destination table for node 47.142.134.127

Close

- 4 Click on the *Backup INI to IEMS Server* radio button.

☒ Backup INI to IEMS Server
☐ Backup INI to tftp Server
 INI Backup

- 5 Click the *INI Backup* button to send the INI file to the Integrated EMS.
- 6 You have completed this procedure.

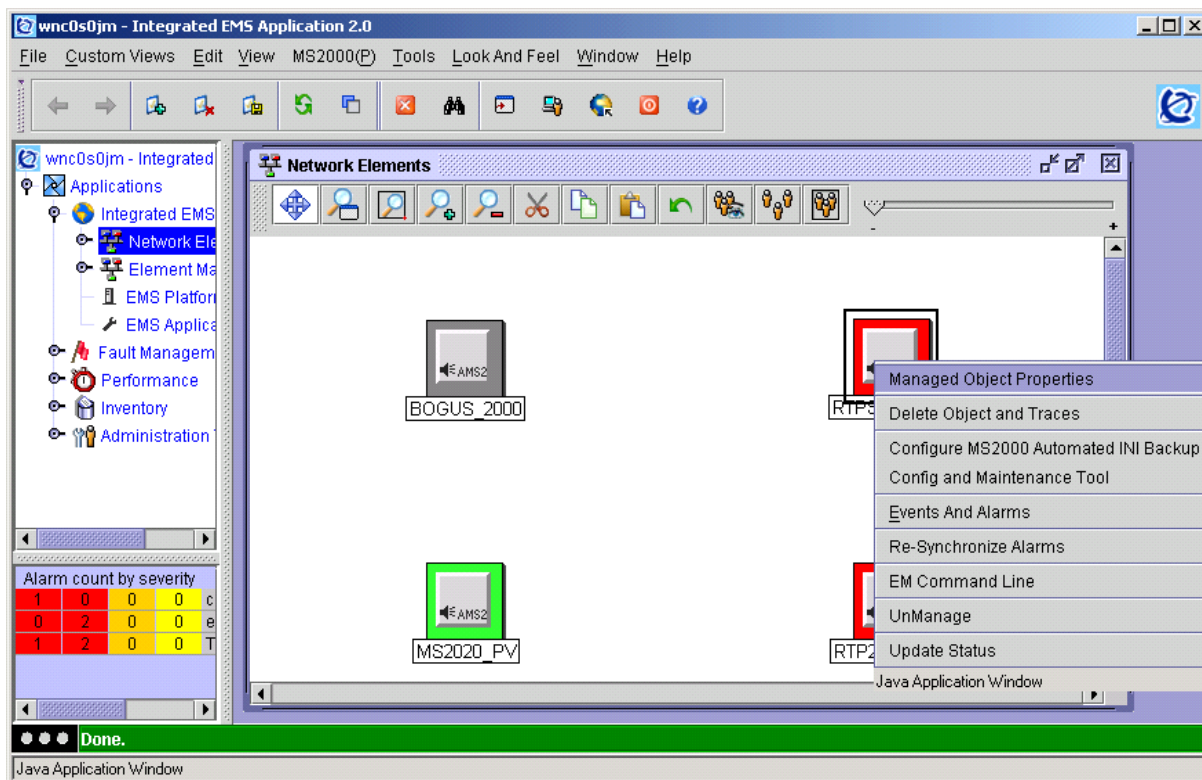
Backing up the INI file to the tftp server

This procedure enables you to send the INI file to the tftp server.

Refer to the *Integrated EMS Basics (NN10329-111)* to log into the Integrated EMS GUI.

From the Integrated EMS GUI main window

- 1 Select Applications -> Integrated EMS -> Network Elements (refer to the figure below).



- 2 Select the Media Server 2000 series node.
- 3 Right click the Media Server 2000 series node and select *Config and Maintenance Tool* from the pop-up menu. The *Maintenance and Configuration Tool* menu displays.

The maintenance menu is located on the left side of the *Maintenance and Configuration Tool* screen.

MS2010 Maintenance and Configuration Tool

Device Name: MS2010_124.127
IP Address: 47.142.134.127
Device Type: MS2010

Maintenance

- ☒ Burn Flash
- ☐ Don't Burn Flash
- Reset
- Lock State: unlocked
- ☒ Graceful Lock
- ☐ Forced Lock
- Lock
- ☐ Backup INI to IEMS Server
- ☒ Backup INI to tftp Server
- INI Backup

General Configuration

IP Address	47.142.134.127
SubNet Address	255.255.255.0
Default Gateway	47.142.134.1
MG Control Protocol	controlProtocol-MEGACO(2)
Software Version	4.50.560
Megaco Call Agent IP Address	47.142.134.20
Is Megaco Call Agent Used	yes(1)
Number of Conference Ports	60
Number of TestTrunk Ports	0
Number of Lawful Intercept Ports	20
Number of Announcement Ports	40
APS IP Address	47.142.134.170
Primary Language	isoLangEnglish(2)
Secondary Language	isoLangEnglish(2)
Syslog Server IP	47.142.134.208
NTP Server Address	0.0.0.0
NTP Offset Time	0
NTP Update Interval	30

Set Refresh

Status Logs

Successfully retrieved trusted managers table for node 47.142.134.127
Successfully retrieved trap destination table for node 47.142.134.127

Close

- 4 Click on the *Backup INI to tftp Server* radio button.

☐ Backup INI to IEMS Server

☒ Backup INI to tftp Server

INI Backup

- 5 Click the *INI Backup* button to send the INI file to the tftp server.
- 6 You have completed this procedure.

Configuring and maintaining MS 2000 Series nodes with the embedded web server utility

This procedure enables you to access the embedded web server utility available for each MS 2000 Series node. The embedded web server utility serves as an emergency access interface, and is used only when the MS 2000 Series Configuration Tool is unavailable. The tasks that you can perform with the embedded web server utility include:

- modifying information for IP configuration used with the MS 2000 Series
- modifying IP settings, logging settings, SNMP settings, and Ethernet ports information
- changing configuration file (INI) parameters
- modifying MS 2000 Series node call progress tones
- modifying MS 2000 Series node system date and time
- changing the login access for the embedded web server utility
- checking version information for an MS 2000 Series node
- performing software updates to an MS 2000 Series node
- saving configuration information to IPM-1610 or TP-6310 board flash memory
- resetting the IPM-1610 or TP-6310 board

Access to the embedded web server utility is password-protected.

The following table lists the tasks you can perform through the embedded web server utility and directs you to the appropriate procedures that show you how to perform the tasks.

Task	Procedure
modifying information for IP control type	Performing a quick setup using the embedded web server utility
modifying IP settings, logging settings, SNMP settings, and Ethernet ports information	Changing network settings using the embedded web server utility
changing configuration file (INI) parameters	Accessing the IPM-1610 or TP-6310 INI file using the embedded web server utility

Task	Procedure
modifying MS 2000 Series node call progress tones	Changing regional settings using the embedded web server utility
modifying MS 2000 Series node system date and time	Changing regional settings using the embedded web server utility
changing login access for the embedded web server utility	Changing the login access for the embedded web server utility
checking version information for an MS 2000 Series node	Accessing version information using the embedded web server utility
performing software updates to an MS 2000 Series nodes	Maintaining software updates using the embedded web server utility
saving configuration information to IPM-1610 or TP-6310 board flash memory	Saving configuration to flash memory using the embedded web server utility
resetting the IPM-1610 or TP-6310 board	Resetting the IPM-1610 or TP-6310 board using the embedded web server utility

Performing a quick setup using the embedded web server utility

This procedure enables you to access the embedded web server utility available for each MS 2000 Series node and perform a “quick setup”. The “quick setup” enables you to view or to modify the information for IP configuration used with the MS 2000 Series node.

Note: This procedure should normally be used only to view configuration information. Modifying configuration parameters through this procedure can stop the node from processing calls. Before making any changes, contact your Nortel Networks service representative.

Performing a quick setup using the embedded web server utility

At the Windows desktop interface

- 1 Open a standard web-browser application such as Microsoft Internet Explorer (version 5.0 and higher) or Netscape Navigator (version 7.0 and higher).

- 2 Enter the IP address of an MS 2000 Series node in the web-browser address field.

- 3 In the Enter Network Password window that opens, enter the appropriate user name and password, and then click OK.

The main menu buttons located on the left side of the main screen become activated.

- 4 Click the Quick Setup menu button.

The Quick Setup window displays. The display shows the configuration information for the node.

- 5 If you are changing information, enter or modify the information in the Quick Setup window. If you are not changing information, you have completed this procedure.

Note: Before performing this step, ensure that you have contacted your Nortel Networks service representative and that you wish to change the configuration information.

- 6 To activate the changes for the node, click the Reset button located at the bottom of the screen, and then confirm the reset in the dialog box that displays.

The node restarts. A message informing you of the waiting period displays.

- 7 You have completed this procedure.

Changing network settings using the embedded web server utility

This procedure enables you to access the embedded web server utility available for each MS 2000 Series node and change network settings associated with the node. These network settings include:

- IP settings
- logging settings
- SNMP settings
- Ethernet ports information

Note: Modifying network settings through this procedure can stop the node from processing calls. Before making any changes, contact your Nortel Networks service representative.

Changing network settings using the embedded web server utility

At the Windows desktop interface

- 1 Open a standard web-browser application such as Microsoft Internet Explorer (version 5.0 and higher) or Netscape Navigator (version 7.0 and higher).
- 2 Enter the IP address of an MS 2000 Series node in the web-browser address field.
- 3 In the Enter Network Password window that opens, enter the appropriate user name and password, and then click OK.

The main menu buttons located on the left side of the main screen become activated.

- 4 Click the Advanced Configuration menu button.

A menu bar displays in the main window.

- 5 Click the Network Settings box in the menu bar.

The Network Settings window displays.

- 6 If you are changing information, enter or modify the information in the Network Settings window. If you are not changing information, you have completed this procedure.

Note: Before performing this step, ensure that you have contacted your Nortel Networks service representative and that you wish to change the network settings.

- 7 To activate the changes for the node, click the Submit button located at the bottom of the window.

The changes are entered into the system and the window is refreshed.

- 8** You have completed this procedure.

Accessing the IPM-1610 or TP-6310 INI file using the embedded web server utility

This procedure enables you to access the embedded web server utility available for each MS 2000 Series node and access the configuration (INI) file residing on an IPM-1610 or TP-6310 board. Once you have copied the file to your computer, you may make changes to it and use it to overwrite the existing INI file on the IPM-1610 or TP-6310 board.

Accessing the IPM-1610 or TP-6310 INI file using the embedded web server utility

At the Windows desktop interface

- 1 Open a standard web-browser application such as Microsoft Internet Explorer (version 5.0 and higher) or Netscape Navigator (version 7.0 and higher).
- 2 Enter the IP address of an MS 2000 Series node in the web-browser address field.
- 3 In the Enter Network Password window that opens, enter the appropriate user name and password, and then click OK.

The main menu buttons located on the left side of the main screen become activated.

- 4 Click the Advanced Configuration menu button.

A menu bar displays in the main window.

- 5 Click the Configuration File box in the menu bar.

The Configuration File window displays.

If	Do
you want to copy the IPM-1610 or TP-6310 board's INI file to your computer	step 6
you want to send a copy of a pre-defined INI file on your computer to the IPM-1610 or TP-6310 board	step 7

Note: Do not select the "Restore All Defaults" button. Selecting this button will negatively impact call processing.

- 6 To copy the INI file on the IPM-1610 board to your computer, click the Get INI FILE button in the Configuration File window.

You are prompted to select a location on your computer to store the copy of the INI file. After you have completed making the desired changes to the INI file, go on to the next step.

- 7** Click the Browse button on the Configuration File window to locate the INI file on your computer that you want to send to the IPM-1610 or TP-6310 board.
- 8** Click the Send File button on the Configuration File window to send the file to the board. The INI file on the board is over-written by the INI file that you send.
- 9** You have completed this procedure.

Changing regional settings using the embedded web server utility

This procedure enables you to access the embedded web server utility available for each MS 2000 Series node and change regional settings associated with the node. These regional settings include:

- call progress tones
- voice prompt file
- date and time setting for the system

Changing the regional settings entails first locating the pre-defined call progress tone or voice prompt file on your computer and then sending this file to the MS 2000 Series IPM-1610 or TP-6310board.

This procedure also enables you to change the MS 2000 Series node date and time.

Changing regional settings using the embedded web server utility

At the Windows desktop interface

- 1** Open a standard web-browser application such as Microsoft Internet Explorer (version 5.0 and higher) or Netscape Navigator (version 7.0 and higher).
- 2** Enter the IP address of an MS 2000 Series node in the web-browser address field.
- 3** In the Enter Network Password window that opens, enter the appropriate user name and password, and then click OK.
The main menu buttons located on the left side of the main screen become activated.
- 4** Click the Advanced Configuration menu button.
A menu bar displays in the main window.
- 5** Click the Regional Settings box in the menu bar.
The Regional Settings window displays.
- 6** To change the call progress tones or voice prompt settings, perform the following steps:
 - a** click the Browse button to locate the pre-defined file containing the new settings on your computer
 - b** after you have located the file, click the Send File button to transfer the file to the MS 2000 Series IPM-1610 or TP-6310 board.

The file overwrites the existing file on the board. The window is refreshed and a message informs you about a waiting period.

- 7** To set a new date and time for the MS 2000 Series node, perform the following steps:
 - a** Enter the date using the YYYY, MM, and DD fields for year, month, and day, respectively.
 - b** Enter the time using the HH, MM, and SS fields for hour, minute, and second, respectively.
 - c** Click the Set Date and Time button.

The date and time are set on the IPM-1610 or TP-6310 board. The window is refreshed and a message informs you about a waiting period.

- 8** You have completed this procedure.

Changing the login access for the embedded web server utility

This procedure enables you to change the user name and password used for accessing the embedded web server utility available for each MS 2000 Series node.

Changing the login access for the embedded web server utility

At the Windows desktop interface

- 1** Open a standard web-browser application such as Microsoft Internet Explorer (version 5.0 and higher) or Netscape Navigator (version 7.0 and higher).
- 2** Enter the IP address of an MS 2000 Series node in the web-browser address field.
- 3** In the Enter Network Password window that opens, enter the appropriate user name and password, and then click OK.
The main menu buttons located on the left side of the main screen become activated.
- 4** Click the Advanced Configuration menu button.
A menu bar displays in the main window.
- 5** Click the Change Password box in the menu bar.
The Change Password window displays.
- 6** Enter the desired user name and/or password. Both the user name and password can be up to seven characters long. Then enter the password again in the "Confirm Password" field.
- 7** To activate the changes for the node, click the Change Password button.
- 8** You have completed this procedure.

Accessing version information using the embedded web server utility

This procedure enables you to access the embedded web server utility available for each MS 2000 Series node and display version information pertaining to the node. This information includes:

- version ID
- DSP type
- DSP software version
- flash version
- MAC address
- Serial number
- Board type
- Module firmware

Accessing version information using the embedded web server utility

At the Windows desktop interface

- 1 Open a standard web-browser application such as Microsoft Internet Explorer (version 5.0 and higher) or Netscape Navigator (version 7.0 and higher).
- 2 Enter the IP address of an MS 2000 Series node in the web-browser address field.
- 3 In the Enter Network Password window that opens, enter the appropriate user name and password, and then click OK.
The main menu buttons located on the left side of the main screen become activated.
- 4 Click the Status and Diagnostics menu button.
A menu bar displays in the main window.
- 5 Click the Versions box in the menu bar.
The Versions window displays.
- 6 You have completed this procedure.

Maintaining software updates using the embedded web server utility

This procedure enables you to access the embedded web server utility available for each MS 2000 Series node and download pre-defined software files on your computer to the node's IPM-1610 or TP-6310 board. The procedure also enables you to enter an updated license key.

Maintaining software updates using the embedded web server utility

At the Windows desktop interface

- 1 Open a standard web-browser application such as Microsoft Internet Explorer (version 5.0 and higher) or Netscape Navigator (version 7.0 and higher).
- 2 Enter the IP address of an MS 2000 Series node in the web-browser address field.
- 3 In the Enter Network Password window that opens, enter the appropriate user name and password, and then click OK.

The main menu buttons located on the left side of the main screen become activated.

- 4 Click the Software Update menu button.
A menu bar displays in the main window.

If	Do
you want to download software from your computer to the node's IPM-1610 or TP-6310 board	step 5
you want to update a license key	step 8

- 5 Click the HTTP Download box in the menu bar.
The HTTP Download window displays.
- 6 In the panel associated with the file you are downloading, click the Browse button to locate the pre-defined file on your computer that you want to send to the IPM-1610 or TP-6310 board. After you have located the file, click the Send file button to send the file to the IPM-1610 or TP-6310 board.
- 7 Go to step [12](#)
- 8 Click the License box in the menu bar.
The License window displays.
- 9 In the New Key field, enter the updated license key (supplied by your Nortel Networks service representative).

- 10 Click the Add Key button on the License window.
The new key information over-writes the previous key information on your computer.
Note: The current key information is displayed in the Current Key field. Information about the key and software limitations are displayed in the Status field.
- 11 To send a license key installed on your computer to the MS 2000 Series node, first locate the license key by clicking the Browse button on the License window. After you have located the license key, click the Send file button.
- 12 To commit the changed information (downloaded file or license key) to flash memory, click the Reset button located on the left side of the main screen.
- 13 You have completed this procedure.

Saving configuration to flash memory using the embedded web server utility

This procedure enables you to access the embedded web server utility available for each MS 2000 Series node and save the configuration (INI) file to the IPM-1610 or TP-6310 board's flash memory.

Saving configuration to flash memory using the embedded web server utility

At the Windows desktop interface

- 1** Open a standard web-browser application such as Microsoft Internet Explorer (version 5.0 and higher) or Netscape Navigator (version 7.0 and higher).
- 2** Enter the IP address of an MS 2000 Series node in the web-browser address field.
- 3** In the Enter Network Password window that opens, enter the appropriate user name and password, and then click OK.
The main menu buttons located on the left side of the main screen become activated.
- 4** Click the Save Configuration menu button.
The Save Configuration window displays.
- 5** Click the Save Configuration button in the Save Configuration window.
A message informing you that the configuration file has been saved to IPM-1610 or TP-6310 board flash memory displays.
- 6** You have completed this procedure.

Resetting the IPM-1610 board using the embedded web server utility

This procedure enables you to access the embedded web server utility available for each MS 2000 Series node and reset the IPM-1610 or TP-6310 board in order to permanently save the configuration file (INI) to the board's flash memory.

Resetting the IPM-1610 or TP-6310 board using the embedded web server utility

At the Windows desktop interface

- 1** Open a standard web-browser application such as Microsoft Internet Explorer (version 5.0 and higher) or Netscape Navigator (version 7.0 and higher).
- 2** Enter the IP address of an MS 2000 Series node in the web-browser address field.
- 3** In the Enter Network Password window that opens, enter the appropriate user name and password, and then click OK.
The main menu buttons located on the left side of the main screen become activated.
- 4** Click the Reset menu button.
The Reset window displays.
- 5** Click the Restart button in the Reset window.
The board is shut down and restarted. A message informing you about a waiting period displays. The screen is refreshed.
- 6** You have completed this procedure.

Adding an APS to the network topology

The following procedure enables you to add a new audio provisioning server (APS) to the Universal Audio Server Manager interface.

Adding an APS to the network topology

At the Configuration Menu of the Universal Audio Server Manager

- 1 Select the Add APS option.
- 2 In the Add Audio Provisioning Server window, enter the following information:

- server name

Note 1: It is recommended that the server (node) name assigned the APS not exceed 20 characters in length.

Note 2: Ensure that this is the same server name entered during installation of the unit.

- IP address
- port number used by the SNMP master agent (this must be consistent with the port number established during the installation of the server)
- security name

- 3 Click the Add button in the window.

The APS unit appears in the Network Elements pane of the Universal Audio Server Manager main screen.

- 4 You have completed this procedure.

Moving audio from one APS to another APS

This procedure allows you to move audio files from one APS to another APS.

Note: This procedure erases any UAS or Media Server 2000 data previously datafilled on the APS to which you are moving the files. This also changes the GUI logins, provision sets, and other files to match the APS from where you acquired those files.

On the APS where the files currently reside:

- 1 Remove all files from the /audio_files/aps_db_backup directory.

Note: This provides a clean directory to copy the current files in preparation for transfer.

```
cd audio_files/aps_db_backup
```

```
rm *
```

- 2 Backup the APS database to disk.

- a Log in to the APS server as root.

- b Access the server via telnet.

- c Become the root super user.

```
# su - root
```

- d Launch the APS Command Line Interface tool.

```
# apsccli
```

- e Select 5 from the apsccli main menu.

- f Select 1 from the file backup and restore menu to place the database files in the /audio_files/aps_backup/ directory.

- 3 Perform a tape archive of the APS files.

```
tar -cvf <filename>.tar /aps_backup/*
```

- 4 Perform a tape archive of the APS files in the /audio_files/phys_seg/0/ and /audio_files/phys_seg/65408/ directories

```
tar -cvf <filename>.tar /audio_files/phys_seg/0/*
```

```
tar -cvf <filename>.tar /audio_files/phys_seg/65408/*
```

- 5 Ftp all the tar files (<filename>.tar) you just created to the APS where you are moving the files.

On the APS where the files are being moved:

- 1 Remove all files in the /audio_files/aps_db_backup directory.

```
cd /audio_files/aps_db_backup
rm *
```

- 2 Remove all files from the /audio_files/phys_seg/0/ and /audio_files/phys_seg/65408/ directories.

```
cd /audio_files/phys_seg/0/
rm *
cd /audio_files/phys_seg/65408/
rm *
```

- 3 Untar all three tar files.

```
tar -xvf <filename>.tar
```

- 4 Restore the database from disk.

- a Log in to the APS server as root.

- b Access the server via telnet.

- c Become the root super user.

```
# su - root
```

- d Launch the apsccli tool.

```
# apsccli
```

- e Select 5 from the apsccli main menu.

- f Select 9 from the file backup and restore menu to load (restore) the files to the APS.

You have completed this procedure.

Deleting an APS from the network topology

This procedure enables you to delete an audio provisioning server (APS) from the Universal Audio Server Manager Interface.

Deleting an APS from the network topology

At the Network Elements pane of the Universal Audio Server Manager main screen

- 1** Select the APS for deletion.
- 2** In the Configuration menu, select the Delete APS option.
- 3** In the Delete Warning window that displays, click OK.
The system performs the deletion and updates the Network Elements pane of the Universal Audio Server main screen.
- 4** You have completed this procedure.

Renaming an APS in the network topology

This procedure enables you to rename an audio provisioning server (APS) that is currently viewable through the Universal Audio Server Manager interface.

Renaming an APS in the network topology

At the Network Elements pane of the Universal Audio Server Manager main screen

- 1 Select the APS unit to be renamed.
- 2 In the Configuration menu, select the Delete APS option.
- 3 In the Delete Warning window that displays, click OK.

The system performs the deletion and updates the Network Elements pane of the Universal Audio Server Manager main screen.

At the Configuration Menu

- 4 Select the Add APS option.
- 5 In the Add APS window, enter the following information for the renamed unit:

- new server name

Note: It is recommended that the server (node) name assigned the APS not exceed 20 characters in length.

- IP address
- port number used by the SNMP master agent (this must be consistent with the port number established during the installation of the server)
- security name

- 6 Click the Add button in the window.

The APS unit appears in the Network Elements pane of the Universal Audio Server main screen.

- 7 You have completed this procedure.

Configuring the CS 2000 Management Tool that receives traps

For security, an MS 2000 Series node must be identified to the CS 2000 Management Tool that receives its traps. This procedure enables you to identify an MS 2000 Series node to a CS 2000 Management Tool, list the MS 2000 Series nodes that have identified to a CS 2000 Management Tool, or to delete an MS 2000 Series node from the list of nodes that have been identified to a CS 2000 Management Tool.

Configuring the CS 2000 Management Tool that receives traps

In a telnet connection to the CS 2000 Management Tool:

- 1 Open an xterm window and log in using the “maint” login and password.
- 2 Become the “root” user by entering:
su - root
- 3 Enter the following at the command line:
/opt/nortel/NTsesm/bin/SESMinventory.sh
- 4 In response to the prompts, enter the user name and password.
- 5 Determine the task you want to perform.

If	Do
you want to identify the MS 2000 Series node to the CS 2000 Management Tool	step 6
you want to list the MS 2000 Series nodes that have been identified to the CS 2000 Management Tool	step 13
you want to delete the MS 2000 Series node from the list of nodes identified to the CS 2000 Management Tool	step 14

- 6 Enter ADD in response to the prompt for a SESMinventory command.
- 7 Enter AMS in response to the prompt for a device type.
- 8 Enter a version in response to the prompt for a Device Version.
Example:
For release SN06.2, enter 6.2,
For release SN07, enter 7

- 9 In response to the prompt, enter the IP address of the MS 2000 Series node.
- 10 In response to the prompt, enter the port number, 161.
- 11 In response to the prompt, enter the IP name of the MS 2000 Series node.
- 12 In response to the prompt, enter the appropriate security name.

If	Do
you want to list the MS 2000 Series nodes that have been identified to the CS 2000 Management Tool	step 13
you don't want to list the MS 2000 Series nodes that have been identified to the CS 2000 Management Tool	step 15

- 13 Enter LISTD in response to the prompt for a SESMInventory command; and then enter AMS in response to the prompt for the device type.

The MS 2000 Series node you have added will display in a list of nodes.

Note: In the display, the “version” field and its value should be ignored. This value does not reflect the Device version number that you entered previously (see step [8](#)).

If	Do
you want to delete an MS 2000 Series node from the list of nodes that have been identified to the CS 2000 Management Tool	step 14
you don't want to delete an MS 2000 Series node from the list of nodes that have been identified to the CS 2000 Management Tool	step 15

- 14 Enter DEL in response to the prompt for a SESMInventory command; and then enter the IP name of the MS 2000 Series node in response to the prompt for a device name. If you wish to delete the node from the list, enter Y (yes); if you don't want to delete the node from the list, enter N (no).
- 15 In response to the prompt for a SESMInventory command, enter exit.
- 16 You have completed this procedure.

Configuring the SNMP agent

Alarms are managed, sorted, and viewed on the CS 2000 Management Tools. The alarms are delivered to the CS 2000 Management Tools server by system software known as the “Simple Network Management Protocol (SNMP) agent.” The server IP address that the SNMP agent delivers alarms to is established immediately after installation of the APS system by performing the procedure below. This procedure is also used if the IP address of the CS 2000 Management Tools server changes later on.

Configuring the SNMP agent

At your console

- 1 Perform the following procedure:
 - a telnet to the CS 2000 Management Tools server
 - b log in using the “maint” login and password
 - c become the “root” user by entering:
`su - root`
- 2 Type the following command to stop the SNMP agent:
APSagentctl stop
Note: If this command is not found, enter the full path for the command, /opt/uas/SnmpAgent/bin/APSagentctl stop
- 3 After the system response, “APS Agent terminated” displays, type the following command:
configure_agent
Note: If this command is not found, enter the full path for the command, /opt/uas/SnmpAgent/bin/configure_agent

- 4 In response to the prompt, “Enter your selection,” enter either 1 or 2
where:
- 1 specifies that new configuration data is to be entered
 - 2 specifies that previous configuration data is to be restored
- | If | Do |
|---------------|-------------------------|
| you entered 1 | step 5 |
| you entered 2 | step 18 |
- 5 In response to the prompt, “What is the element manager’s IP address?” enter either 1 or 2
where:
- 1 specifies the default IP address
 - 2 specifies that another IP address is to be entered
- | If | Do |
|---------------|------------------------|
| you entered 1 | step 7 |
| you entered 2 | step 6 |
- 6 In response to the prompt, “Enter the correct IP address” enter the IP address.
- 7 In response to the prompt, “What port does the element manager use to receive traps or alarms/logs?” enter either 1 or 2
where:
- 1 specifies the default port number, 162
 - 2 specifies that another port number is to be entered
- | If | Do |
|---------------|------------------------|
| you entered 1 | step 9 |
| you entered 2 | step 8 |
- 8 In response to the prompt, “Enter the element manager’s port for receiving traps,” enter the port number.

- 9** In response to the prompt, “Should the agent forward alarms/logs to syslog?” enter either 1 or 2

where:

- 1**
specifies “yes”

Note 1: APS system logs are available for viewing only in the var/log/ptmlog file.

Note 2: Forwarding alarms/logs to the syslog ensures backup access to this information.

- 2**
specifies “no”

If	Do
you entered 1	step 10
you entered 2	step 11

- 10** In response to the prompt, “What is the logging level?” enter either 1, 2, or 3

where:

- 1**
specifies “error messages”
- 2**
specifies “error and warning messages”
- 3**
specifies the default logging level, “error, warning, and information messages”

- 11** In response to the prompt, “What port does the agent use to receive SNMP messages from the element manager?” enter either 1 or 2

where:

1

specifies the default port number, 5161

2

specifies that another port number is to be entered

Note: If error messages display indicating that the port you have selected is already in use and cannot be used unless you specify it when you are logged in as the “root” user, either:

- log in again, restart the `configure_agent` program (see step [3](#)), select 2 when you perform this step, and enter a different port number

or

- log in as the “root” user, restart the `configure_agent` program, and select 1 again when you perform this step

Note that the port number you select must also then be set in the CS 2000 Management Tools station when the APS is added to the network topology.

If	Do
you entered 1	step 13
you entered 2	step 12

- 12** In response to the prompt, “Enter the agent’s port for receiving SNMP messages,” enter the port number.

- 13** In response to the prompt, “What Read community string should the agent use to authenticate SNMP GET messages?” enter either 1 or 2

where:

- 1**
specifies the default, “public”
- 2**
specifies that another Read community string is to be entered

Note: You can enter 2 if you do not want a public SNMP read community string.

If	Do
you entered 1	step 15
you entered 2	step 14

- 14** In response to the prompt, “Enter the new Read community string,” enter the Read community string.

- 15** In response to the prompt, “What Write community string should the agent use to authenticate SNMP SET messages?” enter either 1 or 2

where:

- 1**
specifies the default, “admin”
- 2**
specifies that another Write community string is to be entered

Note 1: You can enter 2 if you do not want an admin SNMP Write community string.

Note 2: Make sure that you specify the same Write community string when you add an APS to the network topology through the CS 2000 Management Tools.

If	Do
you entered 1	step 17
you entered 2	step 16

- 16** In response to the prompt, “Enter the new Write community string,” enter the Write community string.

- 17 In response to the prompt, "What SNMP version should the agent use in sending SNMP messages?" enter either 1, for v1, or 2, for v2 (default).
- 18 After a few minutes the APS agent automatically restarts. Wait one minute after the restart, and then continue with the next step.
- 19 Verify that the agent has started by entering the following command:

more /opt/uas/aps/scripts/SnmpAgent.pid
If the agent has started, a process id (pid) is displayed.
If the agent has not started, enter the following command to start the APS SNMP agent manually as the "root" user.

APSagentctl start
- 20 Verify that the process is running by entering:

ps -ef | grep *nnnn*
where *nnnn* is the process id that was displayed in step [19](#).
- 21 You have completed this procedure.

Configuring the APS for operation

After the APS is installed, you must add users, MS 2000 Series nodes, provision sets, and program groups before any audio provisioning can be performed. This procedure enables you to configure the APS for operation by creating a new MS 2000 Series node and the provision sets and program groups to be associated with it.

You will need the following information in order to complete this procedure:

- list of APS users to be added to the system, including user IDs, user names, and passwords
- list of MS 2000 Series nodes, including IP addresses and hostnames
- list of program group names
- list of provision set names
- correlation of users to program groups
- correlation of provision sets to program groups and MS 2000 Series nodes
- IP address of the APS
- “root” user ID and password for the APS

Configuring the APS for operation

At your console

- 1 Start the APS GUI by performing the following steps:
 - a Start up Netscape or Internet Explorer
 - b Enter the URL for the APS GUI:
http://<ip address of the APS>:8080/aps/
https://<ip address of the APS>:8443/aps/
Note: HTTPS requires a security certificate in the Apache Web Server to support security socket layer (SSL).
 - c When the APS GUI login screen opens, enter the “admin” user ID and password, and then click OK.

At the APS Administration Tool screen

- 2 Create the program groups to be associated with the new MS 2000 Series node. For more information, refer to the procedure [Creating a program group](#).

- 3 Create a new provision set to be associated with the new MS 2000 Series node. For more information, refer to the procedure [Creating a provision set](#).
- 4 Add a MS 2000 Series node to the APS database. For more information, refer to the procedure [Creating an MS 2000 Series node](#).
- 5 Exit from the Administration Tool GUI by first closing any open dialog windows and then clicking Exit.
The APS Main Menu screen opens.
- 6 Click Audio Management.
The APS Audio Management Tool screen opens.
- 7 Upload an audio segment file and import the file into the APS database. For more information about uploading the file, refer to the procedure [Uploading audio files](#). For more information about importing the file, refer to the procedure [Importing physical segments](#).
- 8 Provision the MS 2000 Series node by performing the procedure, [At the APS Administration Tool screen](#) of the [Provisioning an MS 2000 Series node](#) procedure.
- 9 Ensure that the audio has been successfully provisioned by checking the APS provisioning log.
 - a Open a telnet window to the APS and log in as “root.”
 - b Enter the following to find the provisioner log file for the APS (specified by the hostname you enter) in which you are provisioning audio.

```
cd /PROV_data  
less -i <hostname>_provisioner.log
```

The content of the provisioner log file displays.
 - c In the provisioner.log file search for the name of the node that you have provisioned, look for the date and time stamp associated with the provisioning activity, and determine whether any errors occurred during provisioning.

```
/ <node> (provides a forward search)  
? <node> (provides a backward search)
```

The following commands will be useful to you when you are examining the file: to page forward, press the space bar; to page backward, enter ctrl-b; to go to the top of the file, press the escape key (Esc), then press the Shift key and >; to go

the bottom of the file, press Esc, then press the Shift key and <.

- 10** Play the new audio. For more information, refer to the procedure [Playing a physical segment's audio file](#).
- 11** If you need to change the default "admin" user password, refer to the Media Server 2000 Series Security and Administration document.
- 12** You have completed this procedure.

Creating audio for an MS 2000 Series node

Because of regional and national language differences, as well as the unique requirements associated with most announcements, pre-recorded audio segments are not provided with the MS 2000 Series. This procedure describes the steps required to create audio for your MS 2000 Series system.

Creating audio for an MS 2000 Series node

At your PC equipped with a sound card and microphone

- 1 Record the audio segments to be used in the announcement you wish to create.

Note: Although announcements can be made simply by recording them using your PC, you may choose instead to use announcements produced in a commercial recording studio.
- 2 Store the audio segments as “.raw” (rather than .wav or .mp3), 8 kHz sampling rate files in G.711 encoded mu-law or a-law format. It is strongly recommended that a commercial sound file manipulation tool be used for this purpose. For information about possible tools to use, contact your Nortel Networks service representative.
- 3 Upload the audio segment files and import the files into the APS database for processing. For more information about uploading the file, refer to the procedure [Uploading audio files](#). For more information about importing the file, refer to the procedure [Importing physical segments](#).
- 4 You have completed this procedure.

Associate existing provision sets with a new MS 2000 Series node

This procedure enables you to add a new node and associate existing provision sets and program groups with it. This procedure is normally performed in response to a traffic overload condition on an existing node.

Associate existing provision sets with a new MS 2000 Series node

At the APS Administration Tool screen

- 1 Add an MS 2000 Series node to the APS database. For more information, refer to the procedure [Creating an MS 2000 Series node](#).
- 2 Select the Provision Sets folder in the Administration Container Tree.
The Contents table is populated with the provision sets in the APS database.
- 3 Select a provision set in the Contents table to be copied into the MS 2000 Series node.
- 4 Click the Copy button on the menu tool bar.
- 5 Select the Nodes folder in the Administration Container Tree.
The Contents table is populated with the MS 2000 Series nodes in the APS database.
- 6 Select the new MS 2000 Series node in the Contents table.
- 7 Click the Paste button on the menu tool bar.
The Paste APS Entity Result window opens.
- 8 Click OK.
- 9 You have completed this procedure.

Associate existing provision sets with an existing MS 2000 Series node

Associate existing provision sets with an existing MS 2000 Series node

At the APS Administration Tool screen

- 1 Select the Provision Sets folder in the Administration Container Tree.
The Contents table is populated with the provision sets in the APS database.
- 2 Select a provision set in the Contents table to be copied into the new MS 2000 Series node.
- 3 Click the Copy button on the menu tool bar.
- 4 Select the Nodes folder in the Administration Container Tree.
The Contents table is populated with the MS 2000 Series nodes in the APS database.
- 5 Select the MS 2000 Series node in the Contents table.
- 6 Click the Paste button on the menu tool bar.
The Paste APS Entity Result window opens.
- 7 Click OK.
- 8 You have completed this procedure.

Playing a physical segment's audio file

This operation enables you to play audio recorded in G711 mulaw, G711 alaw, or .wav format associated with a specific version of a physical segment. Audio files in mulaw and alaw formats are converted internally when they are played. These converted files are removed from the APS when they have not been accessed for 14 days or when the original physical segment is deleted from the database.

This capability is available only for audio files that have been imported into the database.

Playing a physical segment's audio file

At the APS Administration Tool screen

- 1 Click the Filter button in the Provisionable Entities panel.

The Segments Filter Dialog window opens.

- 2 Click the Include Segments Only radio button.

- 3 Select a physical segment to play by performing one of the following steps:

- a Click OK.

The Provisionable Entities table is populated with all of the segments in the database, including physical segments, sequences, sets, and variables.

In the table, select the physical segment you wish to play, then go to step [4](#).

Note: Physical segments are identified in the table by the blue dot that precedes the ID, in the ID column.

- b Click the Physical Segments box, and then click OK.

The Provisionable Entities table is populated with all of the physical segments in the database.

Select the physical segment to play, then go to step [4](#).

- c Enter the ID of the physical segment you wish to play in the Start ID and End ID fields, and then click OK.

The physical segment you selected appears in the Provisionable Entities table.

Select the physical segment, then go to step [4](#).

- 4 Click the Play button on the menu tool bar.

- 5 You have completed this procedure.

Finding references to a provisionable entity

This procedure enables you to locate all references to a specified provisionable entity, such as an Audio Package or Physical Segment, or to an administration entity, such as a particular User or Program Group, in the database.

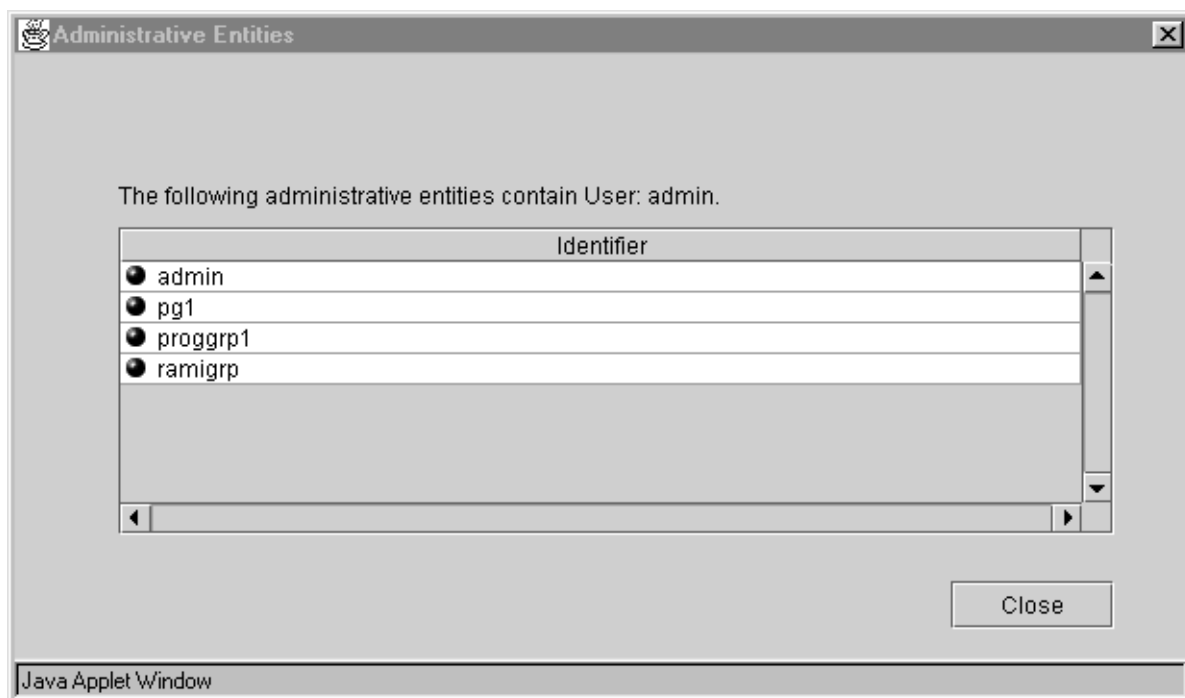
Finding references to a provisionable entity

At the APS Audio Management Tool screen

- 1 Select a provisionable or administration entity in the Contents table, the Administration Container tree, or the Provisionable Entities table.
- 2 Click the Find Reference To button on the menu tool bar.

The Administrative Entities window opens, containing a list of the Administrative entities that contain the provisionable entity being searched for.

Administrative Entities window



- 3 Click Close.
- 4 You have completed this procedure.

Editing APS System Parameters

This procedure enables you to edit APS selected system parameters such as the maximum response time before logout from the APS Administration and Audio Management Tools.

Editing APS System Parameters

At the APS Administration Tool screen

- 1 Click the Edit System Parameters button on the menu tool bar.
The System Parameters window opens.

System Parameters window

The screenshot shows a Java Applet window titled "System Parameters". It contains a list of parameters, each with a label and a text input field. The parameters are:

- Provisioner path: /PROV_data
- Audio filepath: /audio_files/phys_seg
- Maximum language versions: 999
- Maximum nodes: 70
- Maximum physical segment versions: 3
- Maximum package versions: 3
- Maximum program groups: 50
- Maximum provision sets: 100
- Maximum segment depth: 15
- Maximum users: 50
- Response timer (mins.): 30
- User audio filepath: /user_audio_files

Below these parameters is a section titled "AMS Web Server Access" with three fields:

- User Id: Admin
- Password: Admin
- Port: 80

At the bottom of the window are two buttons: "Submit" and "Cancel". The status bar at the bottom indicates "Java Applet Window".

2 Enter new values for any of the following fields:

- Maximum Language Versions
- Maximum Physical Segment Versions
- Maximum Package Versions
- Maximum Segment Depth
- Response Timer (in minutes)
- AMS web server access

If	Do
you want to cancel	step 3
you want to submit the operation	step 4

3 Click Cancel. Go to step [7](#).

4 Click Submit.

5 Logout of the APS GUI.

At the command line:

6 Enter the following command and then press **Enter**:

`/opt/uas/aps/scripts/killDbServer.sh`

7 When the message, "...Starting DB Server" displays, you have completed this procedure.

Changing MS 2000 Series web server access

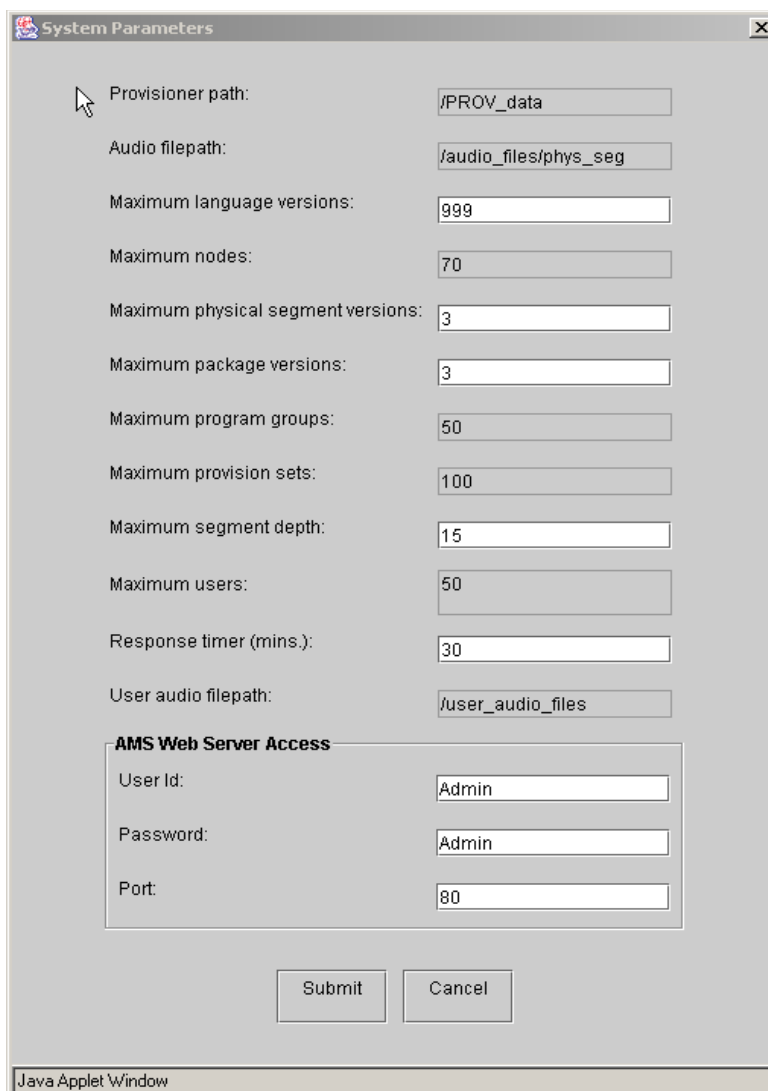
This procedure enables you to change the user id and password used for access to the MS 2000 Series web server from the APS. If the passwords for the MS 2000 Series node and the APS are not the same, audio cannot be provisioned to the MS 2000 series node.

Changing MS 2000 series web server access

At the APS Administration Tool screen

- 1 Click the Edit System Parameters button on the menu tool bar.
The System Parameters window opens.

System Parameters window



The screenshot shows the 'System Parameters' window, which is a Java Applet Window. It contains several configuration fields:

- Provisioner path: /PROV_data
- Audio filepath: /audio_files/phys_seg
- Maximum language versions: 999
- Maximum nodes: 70
- Maximum physical segment versions: 3
- Maximum package versions: 3
- Maximum program groups: 50
- Maximum provision sets: 100
- Maximum segment depth: 15
- Maximum users: 50
- Response timer (mins.): 30
- User audio filepath: /user_audio_files

The 'AMS Web Server Access' section is expanded, showing the following fields:

- User Id: Admin
- Password: Admin
- Port: 80

At the bottom of the window are 'Submit' and 'Cancel' buttons.

- 2 Enter new values for any of the following fields of the AMS Web Server Access panel:

- User id
- password
- port

If	Do
you want to cancel	step 3
you want to submit the operation	step 4

- 3 Click Cancel. Logout of the APS GUI and then go to step [7](#).
- 4 Click Submit.
- 5 Logout of the APS GUI.

At the command line:

- 6 Enter the following command and then press **Enter**:
- ```
/opt/uas/aps/scripts/killDbServer.sh
```
- 7 When the message, "...Starting DB Server" displays, you have completed this procedure.



## Creating a selector type

### Creating a selector type

#### At the *APS Administration Tool* screen

- 1 In the Selector Types folder in the Administration Container Tree, click the New button on the menu tool bar.

*The Selector Type Properties window opens.*

#### Selector Type Properties window

- 2 Enter a display name for the Selector Type.

| If                                     | Do                     |
|----------------------------------------|------------------------|
| you want to Cancel                     | step <a href="#">3</a> |
| you want to Submit the new information | step <a href="#">4</a> |

- 3 Click Cancel. Go to step [6](#).

- 4 Click Submit.

| If                                              | Do                     |
|-------------------------------------------------|------------------------|
| you attempted to add a non-unique selector type | step <a href="#">5</a> |
| the operation was successful                    | step <a href="#">6</a> |

- 5 Enter a unique selector type in the Non-unique Selector Type window and click Submit.

- 6 You have completed this procedure.

---

## Listing selector types

---

### Listing selector types

#### ***At the APS Administration Tool Screen***

- 1 Select the Selector Types folder in the Administration Container Tree.

*The Contents table is populated with the selector types in the APS database.*

- 2 You have completed this procedure.

---

## Deleting a selector type

---

This procedure enables you to delete a selector type and its associated selector values from the database.

**Note:** Before deleting a selector type, ensure that the deletion will not affect call processing.

### Deleting a selector type

#### *At the APS Administration Tool screen*

- 1 Select the Selector Types folder in the Administration Container Tree.

*The Contents table is populated with the selector types in the APS database.*

- 2 In the Contents table, select the selector type to be deleted.

- 3 Click the Delete button on the menu tool bar.

*The Delete Provisionable Entity Warning window opens.*

| If                               | Do                     |
|----------------------------------|------------------------|
| you want to submit the operation | step <a href="#">4</a> |
| you want to cancel               | step <a href="#">5</a> |

- 4 Click OK. Go to step [6](#).
- 5 Click Cancel.
- 6 You have completed this procedure.

## Adding a selector value to a selector type

### Adding a selector value to a selector type

#### At the *APS Administration Tool* screen

- 1 Select the Selector Values folder in the Administration Container Tree.

*The Contents table is populated with the selector values in the APS database.*

- 2 In the Contents table, select the selector value to be copied.

- 3 Click the Copy button on the menu tool bar.

- 4 Select the Selector Types folder in the Administration Container Tree.

*The Contents table is populated with the selector types in the APS database.*

- 5 Select a Selector Type in the Contents table.

- 6 Click the Paste button on the menu tool bar.

| If                                                             | Do                     |
|----------------------------------------------------------------|------------------------|
| the operation was successful                                   | step <a href="#">8</a> |
| the selector value contains a non-unique Call Processing Value | step <a href="#">7</a> |

- 7 Change the Call Processing Value by performing the procedure [Editing a selector value](#).

**Note:** The Call Processing Selector Value is determined according to network-wide call processing requirements. Thus, care must be taken when entering this value to ensure that it and the Display Selector Value uniquely identify the Selector Value for use during call processing.

- 8 You have completed this procedure.

---

## Cutting a selector value from a selector type

---

This procedure enables you to cut a selector value from a selector type.

**Note:** Before cutting the selector value from the selector type, ensure that the deletion will not affect call processing.

### Cutting a selector value from a selector type

#### *At the APS Administration Tool screen*

- 1 Expand the Selector Types folder in the Administration Container Tree.  
*A list of selector types appears in the Administration Container Tree.*
- 2 In the Audio Container Tree, select a selector type containing the selector values you wish to cut.  
*The selector values associated with the selector type appear in the Contents table.*
- 3 In the Contents table, select the selector value to be deleted.
- 4 Click the Cut button on the menu tool bar.  
*The Cut Entity from Administrative Entity Warning window opens.*

| If                               | Do                     |
|----------------------------------|------------------------|
| you want to submit the operation | step <a href="#">5</a> |
| you want to cancel               | step <a href="#">6</a> |

- 5 Click OK. Go to step [7](#).
- 6 Click Cancel.
- 7 You have completed this procedure.

---

## Listing selector values

---

### Listing selector values

#### ***At the APS Administration Tool Screen***

- 1 Select the Selector Values folder in the Administration Container Tree.

*The Contents table is populated with the selector values in the APS database.*

- 2 You have completed this procedure.

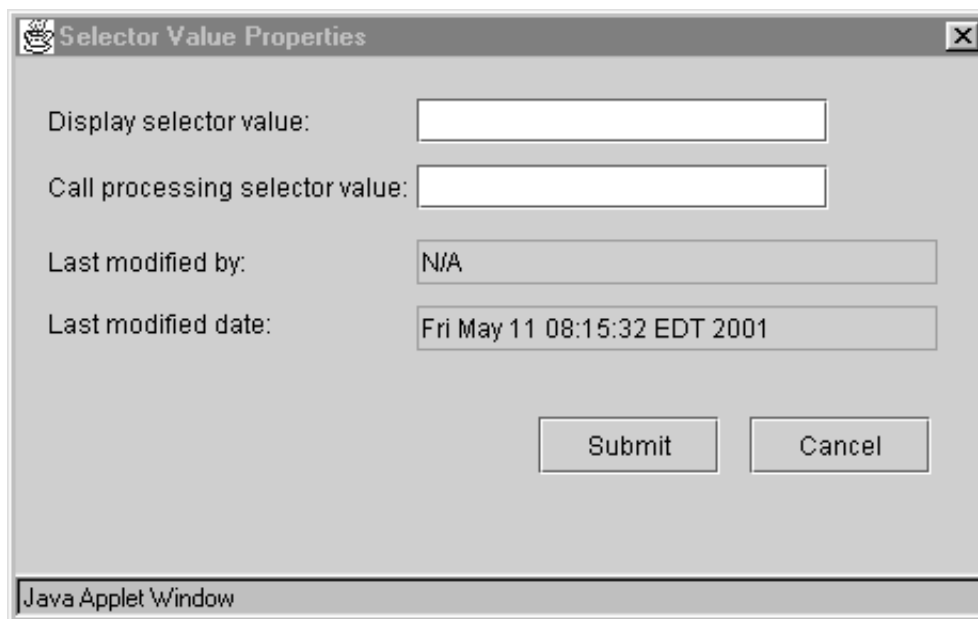
## Creating a selector value

### Creating a selector value

#### At the *APS Administration Tool* screen

- 1 Select the Selector Values folder in the Administration Container Tree.
- 2 Click the New button on the menu tool bar.  
*The Selector Value Properties window opens.*

#### Selector Value Properties window



- 3 Enter the following information about the selector value:
  - Display Selector Value
  - Call Processing Selector Value

| If                               | Do                     |
|----------------------------------|------------------------|
| you want to cancel               | step <a href="#">4</a> |
| you want to submit the operation | step <a href="#">5</a> |

- 4 Click Cancel. Go to step [6](#).
- 5 Click Submit.
- 6 You have completed this procedure.

## Deleting a selector value

---

This procedure enables you to delete a selector value from the database.

**Note:** Before deleting a selector value, ensure that the deletion will not affect call processing.

### Deleting a selector value

#### *At the APS Administration Tool screen*

- 1 Select the Selector Values folder in the Administration Container Tree.

*The Contents table is populated with the selector values in the APS database.*

- 2 In the Contents table, select the selector value to be deleted.

- 3 Click the Delete button on the menu tool bar.

*The Delete Provisionable Entity Warning window opens.*

| If                               | Do                     |
|----------------------------------|------------------------|
| you want to submit the operation | step <a href="#">4</a> |
| you want to cancel               | step <a href="#">5</a> |

- 4 Click OK. Go to step [6](#).
- 5 Click Cancel.
- 6 You have completed this procedure.



## Editing a selector value

### Editing a selector value

#### ***At the APS Administration Tool screen***

- 1 Select the Selector Values folder in the Administration Container Tree.

*The Contents table is populated with the selector values in the APS database.*

- 2 In the Contents table, select the selector value to be edited.
- 3 Click the Edit button on the menu tool bar.

*The Selector Value Properties window opens.*

| If                               | Do                     |
|----------------------------------|------------------------|
| you want to submit the operation | step <a href="#">4</a> |
| you want to cancel               | step <a href="#">5</a> |

- 4 Click Submit. Go to step [6](#).
- 5 Click Cancel.
- 6 You have completed this procedure.

---

## Creating users

---

The APS authenticates users with a Nortel security server. APS user accounts must be in the Nortel Succession group for the two classes of users in the APS:

- **APS Administrator (APS Administration):** Administration permission gives the user all permissions in the APS tool including the addition, deletion and changes to media server nodes, program groups, and provision sets.
- **APS Audio Management:** Audio Management allows a user to only update audio.

For SN08 and subsequent releases, new users in the APS must be added in the Integrated EMS tool before they will appear in the APS User Properties screen (shown in this procedure). Refer to the Integrated EMS documentation to add new users. When adding an APS user, a list of valid user IDs is pulled from the Integrated EMS security server and displayed in the APS User Properties dialog box. The APS user accounts must be in one of two Succession Groups, *mgcmtc* for Audio Management, or *mgcadm* for Administration in order to display in the APS User Properties dialog box.

### Creating users

#### ***At the APS Administration Tool Screen***

- 1 Select the Users folder in the Administration Container Tree.
- 2 Click the New button on the menu tool bar.

*The User Properties window opens.*

## User Properties window

User Properties

User ID

- janeuser \*
- joeuser \*
- johnuser \*
- metts \*
- ptm \*

\* denotes Admin user

User Name:

Permission Group:

Set Cache Flag Allowed:

Last Modified By:

Date Last Modified:

Java Applet Window

**3** Enter the following information about the user.

- Permission Group

**Note:** Click the Permission Group List button to pull down a list of available Permission Groups.

- Set Cache Flag

| If                                          | Do                     |
|---------------------------------------------|------------------------|
| you want to Submit the new user information | step <a href="#">4</a> |
| you want to Cancel the addition operation   | step <a href="#">5</a> |

**4** Click Submit. Go to step [6](#).

**5** Click Cancel.

**6** You have completed this procedure.

---

## Listing users

---

### Listing users

#### ***At the APS Administration Tool Screen***

- 1 Select the Users folder in the Administration Container Tree.  
*The Contents table is populated with the Users in the APS database.*
- 2 You have completed this procedure.

---

## Editing user profiles

---

### Editing user profiles

#### ***At the APS Administration Tool Screen***

**1** Select the Users folder in the Administration Container Tree.  
*The Contents table is populated with the users in the APS database.*

**2** Select a User in the Contents table whose profile is to be changed.

**3** Click the Edit button on the menu tool bar.  
*The User Properties window opens.*

**4** Change any of the following information:

- Permission Group

**Note:** This is determined by the Nortel Succession group setting on the security server.

- Set Cache Flag

| If                                          | Do                     |
|---------------------------------------------|------------------------|
| you want to Submit the new user information | step <a href="#">5</a> |
| you want to Cancel the editing operation    | step <a href="#">6</a> |

**5** Click Submit. Go to step [7](#).

**6** Click Cancel.

**7** You have completed this procedure.

---

## Deactivating users from the database

---

APS user authentication is accomplished through the Nortel security server (Integrated EMS). User accounts can be deleted, de-activated, and re-activated from the Nortel security server.

In the APS, the “admin” user can add users to the APS application and associate and disassociate users from Program Groups.

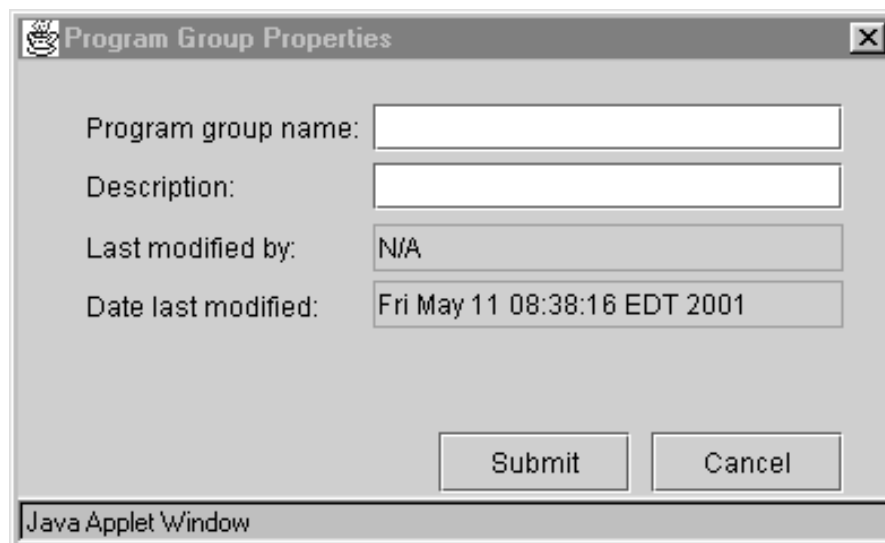
## Creating a program group

### Creating a program group

#### At the *APS Administration Tool* screen

- 1 Select the Program Groups folder in the Administration Container Tree.
- 2 Click the New button on the menu tool bar.  
*The Program Group Properties window opens.*

#### Program Group Properties window



- 3 Enter the following information:
  - Program Group Name
  - Description

**Note:** Program Group names cannot begin with the dollar sign (\$).

| If                                     | Do                     |
|----------------------------------------|------------------------|
| you want to Cancel                     | step <a href="#">4</a> |
| you want to Submit the new information | step <a href="#">5</a> |

- 4 Click Cancel. Go to step [7](#).

- 5 Click Submit.
- 6 Determine whether you want to add user IDs, segment IDs, or package IDs to the new program group.

---

| If                                                                             | Do                                                                                        |
|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------|
| you only want to add a program group                                           | step <a href="#">7</a>                                                                    |
| you want to add user IDs, segment IDs, or package IDs to the new program group | Procedure <a href="#">Adding user IDs, segment IDs, or package IDs to a program group</a> |

---

- 7 You have completed this procedure.



---

## Listing program groups

---

### Listing program groups

#### ***At the APS Administration Tool Screen***

- 1      Select the Program Groups folder in the Administration Container Tree.  
*The Contents table is populated with the program groups in the APS database.*
- 2      You have completed this procedure.

---

## Deleting a program group

---

This procedure enables you to delete a program group from the database.

**Note:** You cannot remove a program group that is associated with a provision set. Thus, you must first remove the program group references to the provision set. For more information, see [Cutting program groups from a provision set](#).

### Deleting a program group

#### *At the APS Administration Tool screen*

- 1 Select the Program Groups folder in the Administration Container Tree.  
*The Contents table is populated with the program groups in the APS database.*
- 2 Scroll through the Contents table and select the program group to be deleted.
- 3 Click the Delete button on the menu tool bar.  
*The Delete Provisionable Entity Warning window opens.*

| If                                                     | Do                     |
|--------------------------------------------------------|------------------------|
| you want to delete the program group from the database | step <a href="#">4</a> |
| you want to cancel the delete operation                | step <a href="#">5</a> |

- 4 Click OK. Go to step [6](#).
- 5 Click Cancel.
- 6 You have completed this procedure.

## Adding user IDs, segment IDs, or package IDs to a program group

This procedure enables you to assign segment IDs, package IDs, or user IDs to an existing program group.

**Note:** You can both assign and remove user IDs, package IDs, and segment IDs at the same time.

### Adding user IDs, segment IDs, or package IDs to a program group

#### At the *APS Administration Tool* screen

- 1 Determine whether you want to add user IDs, segment IDs, or package IDs to the program group.

| If                                                              | Do                     |
|-----------------------------------------------------------------|------------------------|
| you want to add user IDs to the program group                   | step <a href="#">2</a> |
| you want to add segment IDs or package IDs to the program group | step <a href="#">9</a> |

- 2 Select the Users folder in the Administration Container Tree.

*The Contents table is populated with the users in the APS database.*

- 3 Select a user ID in the Contents table to be copied into the program group.

**Note 1:** If the user is to have the ability to view language version folders, add the user to the Admin program group.

**Note 2:** The Admin user must not be a member of any program group other than the Admin program group.

- 4 Click the Copy button on the menu tool bar.

- 5 Select the Program Groups folder in the Administration Container Tree.

*The Contents table is populated with the program groups in the APS database.*

- 6 Select a program group in the Contents table.

- 7 Click the Paste button on the menu tool bar.

- 8** Determine whether you want to add other user IDs to the program group.
- | If                                                        | Do                      |
|-----------------------------------------------------------|-------------------------|
| you want to add other user IDs to the program group       | step <a href="#">3</a>  |
| you don't want to add other user IDs to the program group | step <a href="#">16</a> |
- 9** Click the Filter button in the Provisionable Entities panel.  
The Segments Filter Dialog window opens.
- 10** Determine whether you want to add segment IDs or package IDs to the program group.
- | If                                               | Do                      |
|--------------------------------------------------|-------------------------|
| you want to add segment IDs to the program group | step <a href="#">11</a> |
| you want to add package IDs to the program group | step <a href="#">12</a> |
- 11** Click the Include Segments Only radio button.
- a** Select the type of segments to be included by checking the appropriate boxes.
- Note:** The system default is to include all segments if you don't check any of the boxes.
- b** Click OK.
- The Provisionable Entities table is populated with audio packages in the APS database of the type that you selected.*
- c** Select the appropriate ID in the Provisionable Entities table to be copied to the Program Group.
- d** Click the Copy button on the menu tool bar. Go to step [13](#).
- Note 1:** To add the segment IDs, you must be a member of the program group to which the segment IDs are being added. If necessary, log out and then log back in as an appropriate user.
- Note 2:** The Admin user must not be a member of any program group other than the Admin program group.

- 12 Click the Include Packages Only radio button.
  - a Click OK.

*The Provisionable Entities table is populated with audio packages in the APS database.*
  - b Select the appropriate ID in the Provisionable Entities table to be copied to the Program Group.
  - c Click the Copy button on the menu tool bar.

**Note 1:** To add the package IDs, you must be a member of the program group to which the package IDs are being added. If necessary, log out and then log back in as an appropriate user.

**Note 2:** The Admin user must not be a member of any program group other than the Admin program group.
- 13 Select the Program Groups folder in the Administration Container Tree.

*The Contents table is populated with the program groups in the APS database.*
- 14 Select a program group in the Contents table.
- 15 Click the Paste button on the menu tool bar.
- 16 You have completed this procedure.

## Cutting user IDs, segment IDs, or package IDs from a program group

This procedure enables you to cut segment IDs, package IDs, or user IDs from an existing program group.

**Note:** You can both add and cut user IDs, package IDs, and segment IDs at the same time.

### Cutting user IDs, segment IDs, or package IDs from a program group

#### At the APS Administration Tool screen

- 1 Expand the Program Groups folder in the Administration Container Tree.  
*The Administration Container Tree is populated with the program groups in the APS database.*
- 2 In the Administration Container Tree, click the program group that contains the user ID, segment ID, or package ID to be cut.  
*The Contents table is populated with the contents of the selected program group.*
- 3 Select a user ID, segment ID, and/or package ID in the Contents table to be cut from the program group.
- 4 Click the Cut button on the menu tool bar.  
*The Cut Entity from Administrative Entity Warning window opens.*

| If                               | Do                     |
|----------------------------------|------------------------|
| you want to Cancel               | step <a href="#">5</a> |
| you want to Submit the operation | step <a href="#">7</a> |

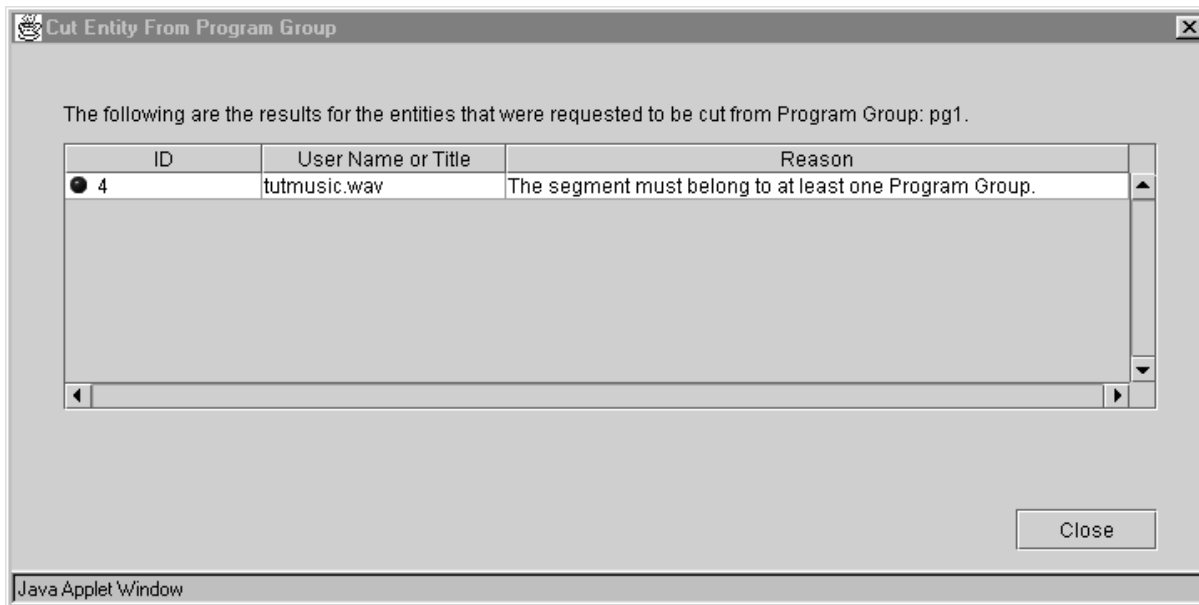
- 5 Click Cancel. Go to step [11](#).
- 6 Click OK.  
*The Cut Entity from Administrative Entity window opens.*

| If                                                | Do                      |
|---------------------------------------------------|-------------------------|
| you wish to view detail about the operation       | step <a href="#">7</a>  |
| you don't wish to view detail about the operation | step <a href="#">10</a> |

- 7 Click View Detail.

*The Cut Entity from Program Group window opens.*

### Cut Entity from Program Group window



#### a Examine the detail.

##### If

you were unable to cut a segment or package ID because they would, as a result, no longer be associated with any program group

##### Do

step [8](#)

the operation was successful, or the operation was unsuccessful because you selected an invalid entity ID or due to an unspecified database error

step [10](#)

- 8 Click Close in the Cut Entity from Program Group window.
  - a Create a temporary program group to contain the entities that you are trying to cut. Ensure that you also add a user to the program group. For more information, see the procedure [Creating a program group](#).
  - b Perform this procedure again, starting at step [1](#).
- 9 Click Close in the Cut Entity from Program Group window.
- 10 Click Close in the Cut Entity from Administration Entity window.
- 11 You have completed this procedure.

## Creating a provision set

### Creating a provision set

#### At the APS Administration Tool screen

- 1 Select the Provision Sets folder in the Administration Container Tree.
- 2 Click the New button on the menu tool bar.  
*The Provision Set Properties window opens.*

#### Provision Set Properties window

- a Enter the new Provision Set name.

| If                                     | Do                     |
|----------------------------------------|------------------------|
| you want to Submit the new information | step <a href="#">4</a> |
| you want to Cancel the new information | step <a href="#">3</a> |

- 3 Click Cancel. Go to step [13](#).
- 4 Click Submit.
- 5 Determine whether you want to add program groups to the new provision set.

| If                                   | Do                      |
|--------------------------------------|-------------------------|
| you only want to add a provision set | step <a href="#">13</a> |



|           | If                                                                                                                                                            | Do                      |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
|           | you want to add program groups to the new provision set                                                                                                       | step <a href="#">6</a>  |
| <b>6</b>  | Select the Program Groups folder in the Administration Container Tree.<br><i>The Contents table is populated with the program groups in the APS database.</i> |                         |
| <b>7</b>  | Select a program group in the Contents table to be copied into the new provision set.                                                                         |                         |
| <b>8</b>  | Click the Copy button on the menu tool bar.                                                                                                                   |                         |
| <b>9</b>  | Select the Provision Sets folder in the Administration Container Tree.<br><i>The Contents table is populated with the provision sets in the APS database.</i> |                         |
| <b>10</b> | Select the new provision set in the Contents table.                                                                                                           |                         |
| <b>11</b> | Click the Paste button on the menu tool bar.                                                                                                                  |                         |
| <b>12</b> | Determine whether you want to add other program groups to the new provision set.                                                                              |                         |
|           | If                                                                                                                                                            | Do                      |
|           | you want to add other program groups to the new provision set                                                                                                 | step <a href="#">6</a>  |
|           | you don't want to add other program groups to the new provision set                                                                                           | step <a href="#">13</a> |
| <b>13</b> | You have completed this procedure.                                                                                                                            |                         |

---

## Listing provision sets

---

### Listing provision sets

#### ***At the APS Administration Tool Screen***

- 1 Expand the Provision Sets folder in the Administration Container Tree.  
*A list of provision sets appears in the Administration Container Tree.*
- 2 In the Administration Container Tree, expand the provision set whose contents you wish to view.  
*The Contents table is populated with the contents of the selected provision set.*
- 3 You have completed this procedure.

## Deleting a provision set

This procedure enables you to delete a provision set from the database.

**Note:** You cannot remove a provision set that is associated with an MS 2000 Series node. Thus, you must first remove the provision set references to the node.

### Deleting a provision set

#### *At the APS Administration Tool screen*

- 1 Select the Provision Sets folder in the Administration Container Tree.

*The Contents table is populated with the provision sets in the APS database.*

- 2 Scroll through the Contents table and select the provision set to be deleted.

- 3 Click the Delete button on the menu tool bar.

*The Delete Provisionable Entity Warning window opens.*

| If                                                     | Do                     |
|--------------------------------------------------------|------------------------|
| you want to delete the provision set from the database | step <a href="#">4</a> |
| you want to cancel the delete operation                | step <a href="#">5</a> |

- 4 Click OK.

**Note:** If an “ASAM Provisional Entity List” displays indicating that the provision set cannot be deleted because it is associated with an MS 2000 Series node, the MS 2000 Series node can be deleted. See [Cutting a provision set from an MS 2000 Series node](#).

- a Go to step [6](#).

- 5 Click Cancel.

- 6 You have completed this procedure.

---

## Adding program groups to a provision set

---

### Adding program groups to a provision set

#### ***At the APS Administration Tool screen***

- 1**      Select the Program Groups folder in the Administration Container Tree.  
  
*The Contents table is populated with the program groups in the APS database.*
- 2**      Select a program group in the Contents table to be copied into the provision set.
- 3**      Click the Copy button on the menu tool bar.
- 4**      Select the Provision Sets folder in the Administration Container Tree.  
  
*The Contents table is populated with the provision sets in the APS database.*
- 5**      Select a provision set in the Contents table.
- 6**      Click the Paste button on the menu tool bar.
- 7**      You have completed this procedure.

## Cutting program groups from a provision set

### Cutting program groups from a provision set

#### At the **APS Administration Tool** screen

- 1 Expand the Provision Sets folder in the Administration Container Tree.

*The Administration Container Tree is populated with the provision sets in the APS database.*

- 2 In the Administration Container Tree, select the provision set that contains program group whose association with the provision set is to be cut.

*The Contents table is populated with the contents of the selected provision set.*

- 3 Select a program group in the Contents table to be cut from the provision set.

- 4 Click the Cut button on the menu tool bar.

*The Cut Entity from Administrative Entity Warning window opens.*

| If                                                      | Do                     |
|---------------------------------------------------------|------------------------|
| you want to Submit the request to cut the program group | step <a href="#">5</a> |
| you want to Cancel the request                          | step <a href="#">6</a> |

- 5 Click OK. Go to step [7](#).
- 6 Click Cancel.
- 7 You have completed this procedure.

## Creating an MS 2000 Series node

### Creating an MS 2000 Series node

#### *At the APS Administration Tool screen*

- 1 Select the Nodes folder in the Administration Container Tree.
- 2 Click the New button on the menu tool bar.

*The Node Properties window opens.*

### Node Properties window

**Node Properties**

Node Type:  Version:

Node name:  Last modified by:

IP address:  Last modified date:

**Last Provision Date**

Day:  Month:  Year:

**Misc**

Provision Enabled:

Last Provision Primary Language:

Last Provision Secondary Language:

Available Memory (KBytes):

Provision set size (Kbytes):

Prov. set size as % of avail. memory:

**3** Enter or read information in the following fields:

- Node Type

**Note:** Select AMS.

- Node Name
- IP Address
- Last Provision Date panel

All audio files in the APS database created on or after this date will be provisioned to the node. When you add a node, the system default date is entered as the Last Provision Date. Adjust the date, if required, through the pull-down lists.

- Misc panel

This panel contains fields pertaining to audio provisioning for this node:

— Provision Enabled

This field determines whether audio can be provisioned to this node.

— Last Provision Primary Language

This read-only field shows the primary language that was last defined for this node.

— Last Provision Secondary Language

This read-only field shows the secondary language that was last defined for this node.

— Memory available (Bytes)

This read-only field shows the amount of memory that is still available for provisioning on this node

— Provision set size (Kbytes)

This read-only field shows how much memory the current provision set associated with this node uses

— Prov. set size as % of avail. memory

This read-only field shows the provision set size as a percentage of the available memory. It is determined through the following calculation:

$$(\text{Provision set size} / \text{Memory available}) \times 100\%$$

---

**If**

---

**Do**

---

you want to Cancel

---

step [4](#)

---

|   | If                                                                                | Do                                                                         |
|---|-----------------------------------------------------------------------------------|----------------------------------------------------------------------------|
|   | you want to Submit the new information                                            | step <a href="#">5</a>                                                     |
| 4 | Click Cancel. Go to step <a href="#">7</a> .                                      |                                                                            |
| 5 | Click Submit.                                                                     |                                                                            |
| 6 | Determine whether you want to add a provision set to the new MS 2000 Series node. |                                                                            |
|   | If                                                                                | Do                                                                         |
|   | you only want to add a new MS 2000 Series node                                    | step <a href="#">7</a>                                                     |
|   | you want to add a provision set to the new MS 2000 Series node                    | Procedure <a href="#">Adding a provision set to an MS 2000 Series node</a> |
| 7 | You have completed this procedure.                                                |                                                                            |



## Listing MS 2000 Series nodes

---

### Listing MS 2000 Series nodes

#### ***At the APS Administration Tool Screen***

- 1      Select the Nodes folder in the Administration Container Tree.  
*The Contents table is populated with the MS 2000 Series nodes in the APS database.*
- 2      You have completed this procedure.

---

## Deleting an MS 2000 Series node

---

### Deleting an MS 2000 Series node

#### ***At the APS Administration Tool screen***

- 1** Select the Nodes folder in the Administration Container Tree.  
*The Contents table is populated with the nodes in the APS database.*
- 2** Scroll through the Contents table and select the node to be deleted.
- 3** Click the Delete button on the menu tool bar.  
*The Delete Provisionable Entity Warning window opens.*

---

| If                                                           | Do                     |
|--------------------------------------------------------------|------------------------|
| you want to delete the MS 2000 Series node from the database | step <a href="#">4</a> |
| you want to cancel the delete operation                      | step <a href="#">5</a> |

---

- 4** Click OK. Go to step [6](#).
- 5** Click Cancel.
- 6** You have completed this procedure.

---

## Enabling provisioning of an MS 2000 Series node

---

### Enabling provisioning of an MS 2000 Series node

#### *At the APS Administration Tool screen*

- 1 Select the Nodes folder in the Administration Container Tree.  
*The Contents table is populated with nodes in the APS database.*
- 2 Determine whether you want to change the Last Provision Date for the node. All audio files in the APS database created on or after this date will be distributed to the node during the next audio distribution cycle.

**Note:** In the event that a complete re-installation of a node is required due to an error condition, resetting the Last Provision Date to the system default will ensure that all audio files provisioned in the APS database will be restored to the node.

| If                                                            | Do                      |
|---------------------------------------------------------------|-------------------------|
| you want to change the Last Provision Date for the node       | step <a href="#">3</a>  |
| you don't want to change the Last Provision Date for the node | step <a href="#">10</a> |

- 3 Click the node entry in the Contents table.
  - a Click the Edit button on the menu tool bar.  
*The Node Properties window opens.*

## Node Properties window

- 4 Select “AMS” in the pull-down menu of the Node Type field.
- 5 In the Last Provision Date panel determine the date that you wish to use.

| If                                                                                 | Do                     |
|------------------------------------------------------------------------------------|------------------------|
| you want to change the Last Provision Date to the system default                   | step <a href="#">6</a> |
| you want to change the Last Provision Date to a date other than the system default | step <a href="#">7</a> |

- 6 Click the Reset button in the Last Provision Date panel.  
*The Last Provision Date is filled with the system default date.*
  - a Go to step [8](#).
- 7 Click the Day, Month, and Year list buttons, respectively, and select an entry in each list.
- 8 In the Misc panel, ensure that Provision Enabled is set to “Enabled”.
- 9 Click Submit.

- 10** Click the Enable column box associated with the MS 2000 Series node for which provisioning is to be enabled.  
*A check mark appears in the Enable column box.*
- 11** You have completed this procedure.

---

## Disabling provisioning of an MS 2000 Series node

---

### Disabling provisioning of an MS 2000 Series node

#### ***At the APS Administration Tool screen***

- 1**      Select the Nodes folder in the Administration Container Tree.  
*The Contents table is populated with nodes in the APS database.*
- 2**      Click the Enable column box associated with the MS 2000 Series node for which provisioning is to be disabled.  
*The check mark in the Enable column box disappears.*
- 3**      You have completed this procedure.

---

## Provisioning an MS 2000 Series node

---

Audio is normally provisioned to MS 2000 Series nodes automatically, on a scheduled periodic basis. You may also occasionally need to provision audio to a node manually. This procedure describes how to do this.

### Storage for provisioned audio

An MS 2000 Series node is normally configured to support real-time provisioning. This means that a node's audio storage memory is divided into two equal parts, each containing 10 Mbyte of storage for the MS2010 using the IPM-1610 board or 15 Mbytes for the MS2020 using the TP-6310 board. One part serves as the active memory while the other serves as the inactive memory. The active memory provides audio for active calls. The inactive memory is available to hold audio being provisioned to the node either through the automatic process or through the manual process. Thus, the node can continue to provide audio for active calls while it is being provisioned with new audio. After the provisioning is completed, the roles of the two memory parts are automatically switched and the inactive memory, containing the newly provisioned audio, becomes the active memory, ready to provide audio for new calls.

It is also possible to provision audio that requires more than 10 or 15 Mbyte of a node's storage memory. In that case, however, real-time provisioning on the node cannot be supported. In addition, when the node is to be provisioned with new audio, it must be removed from service and re-booted, and existing calls using the node for audio are dropped.

The MS 2000 Series nodes in a system are all normally provisioned with the same audio. The nodes in this kind of configuration are controlled by the same Gateway Controller. In addition, the total number of nodes configured in the system ensures compliance with the "n+1" engineering requirement that enough nodes are always available to provide announcements for the projected call demand even if one of the nodes is removed from service. When audio to be provisioned to a node exceeds the node's available 20 Mbyte audio storage memory capacity, requiring that the audio be stored on two nodes rather than only on one, twice the normal number of nodes must be configured in the system in order to provide the required redundant audio availability. In this configuration, the group of nodes containing the first part of the audio collection must all be controlled by one Gateway Controller and the group of nodes containing the second part of the audio collection must all be controlled by another Gateway Controller.

## Provisioning error conditions

Prior to the provisioning process, the APS builds a segment configuration file and a binary audio file for the audio being provisioned. During the provisioning process, these two files are sent to the MS 2000 Series node, through HTTP. Thus, during the provisioning process errors may be caused by the APS database, by the HTTP interface, by the MS 2000 Series node, or by the distribution and communication between the MS 2000 Series node and the APS.

If an error occurs while you are attempting to provision a node, the error is logged in the error dialog box on the terminal screen and on the CS 2000 Management Tool, in the Audio Distributor Manager log file:

Errors that you may see described in the error dialog box include:

- “The audio provisioned is too big to fit into the available audio memory in the device - cannot update any audio.” This message indicates that the MS 2000 Series node cannot receive any more audio. The size of the provision file exceeds the available memory for audio provisioning.
- “Cannot communicate TPNCP commands to the AMS device - cannot update any audio.” This message indicates that problems have occurred in communicating with the MS 2000 Series node from the APS. This may be because the MS 2000 Series node is powered off or because it is not accessible on the network.
- “Cannot communicate via HTTP to the AMS device - cannot update any audio.” This message indicates that problems have occurred during attempts by the APS to communicate with the MS 2000 Series node through the HTTP interface. The web server interface user account ID and password stored in the APS system parameters table may differ from those in the web server account on the MS 2000 Series node.
- “An internal APS server problem is encountered; please check on the log for further information - cannot update any audio.” This message indicates that problems have occurred in communicating with the MS 2000 Series node from the APS. This may be because the MS 2000 Series node is powered off or because it is not accessible on the network.
- “An AMS unspecified error is encountered - please contact the administrator.” Because the error is unspecified, you should view the Audio Distributor Manager log file, on the CS 2000 Management Tool, at location, `/opt/uas/aps/log/admanager<date>.log`



The errors that you may see logged to the Audio Distributor Manager log file include:

- problems with the APS database, indicated in log messages such as
  - Oracle Error: xxxxxx
  - Error writing to DB
  - Problem opening segments file
  - Error reading from DB
  - Error getting node ip address
  - Problem opening directory: xxxxx
  - Error getting node ip address
  - Invalid type of segment with id
  - Error creating variable in the database in get lng display
  - Error creating set in the database getting elements disp values

Depending on the error, first verify that the Oracle DB is up and running by logging into the APS Audio Management GUI and viewing audio segments. Another possible cause is an error on an audio segment id. To check for this, access the audio segment in the APS GUI and try to play it locally. Another cause may be that the audio id is missing on the APS file system but is referenced in the database.

- problems in communication between the APS and MS 2000 Series node, through HTTP, indicated in log messages such as
  - HttpConnection: call to connect failed
  - HttpConnection::sentGet: send failed
  - HttpConnection: error sending crlf
  - HttpConnection::sendPost: error reading
  - HttpResponse::parseUnauthHdr: missing nonce parameter
  - HttpUpload: connect error
  - HttpUpload: sendPost failed
  - HttpUpload: connect error

To resolve the error, verify that the MS 2000 Series node is up and on the network by accessing the MS 2000 Series node web server. Verify that the APS and MS 2000 Series node user account ids and passwords agree. To adjust the APS MS 2000 Series user id and password, perform the procedure [Editing APS System Parameters](#)

- problems in communication with the MS 2000 Series node (connection type issues), indicated in log messages such as:
  - Unable to open remoteBoard
  - Error getting event from board
  - Error contacting device
  - Timed out waiting on request
  - Problem contacting the MS 2000 Series node - aborting provisioning
  - Problem gathering information from the MS 2000 Series node - aborting provisioning
  - Failed to send voice prompt file to the MS 2000 Series node
  - Failed to receive confirmation of VP download from the MS 2000 Series node
  - Failed to send segments file to the MS 2000 Series node
  - Failed to receive MS 2000 Series node audio buffer switch confirmation
  - The MS 2000 Series node is not ready for provisioning at this time

To resolve the error, verify that the MS 2000 Series node can be accessed on the network by accessing the web server on the MS 2000 Series node and logging in. Verify that the APS and MS 2000 Series node web server user account ids and passwords agree.

- the MS 2000 Series node does not need provisioning; there were no audio changes since the last provisioning request.
- another full, automated provisioner is already running; two provisioners cannot run simultaneously, indicated by the message, "Another provisioning request is currently in process, cannot provision."
- the audio being provisioned to the node was not properly set up; for example, a provision set may not have been defined for the node to which the set is being provisioned.
- the memory requirement for audio provisioning exceeds the allocated memory space that is available. The MS 2000 Series node has a maximum 20 Mbytes memory for storage of audio for the MS2010 using the IPM-1610 board and a maximum of 30 Mbytes for the MS2020 (ATM) that uses the TP-6310 board. If the 10 (MS2010) or 15 (MS2020) Mbytes memory storage limit for new audio is exceeded by the size of the provision set, the message "There was not enough available memory on the MS 2000 Series

node ...” displays. In addition, when you check the Node Properties window the “Prov. set size as % of avail. memory” field in the Misc panel will display the total percentage of the available memory space that is used by the provision set, in red, along with an appropriate warning message. Before continuing, you should ensure that the system is appropriately configured to support this kind of provisioning activity (see the section entitled, [Storage for provisioned audio](#) for additional information).

You may also see potential error conditions displayed in a dialog box after you have requested manual provisioning. One such warning alerts you that proceeding with manual provisioning could result in any active calls being dropped. This condition normally occurs after you have just provisioned a node on which a call is still active and you have submitted another request to provision the node. The roles of the two memory parts, “active” and “inactive” have been switched as the result of the first provisioning activity and the system has determined that the next provisioning activity will occur on the memory part that is still supporting the call. Although the system will allow you to overwrite this memory part, it will drop the active call.

## Provisioning an MS 2000 Series node

### ***At the APS Administration Tool screen***

- 1 Select the Nodes folder in the Administration Container Tree.  
*The Contents table is populated with MS 2000 nodes in the APS database.*
- 2 Determine whether you want to change the Last Provision Date for the node. All audio files in the APS database created on or after this date will be distributed to the node during the next audio distribution cycle.

**Note:** In the event that a complete re-installation of a node is required due to an error condition, resetting the Last Provision Date to the system default will ensure that all audio files provisioned in the APS database will be restored to the node.

| If                                                            | Do                     |
|---------------------------------------------------------------|------------------------|
| you want to change the Last Provision Date for the node       | step <a href="#">3</a> |
| you don't want to change the Last Provision Date for the node | step <a href="#">7</a> |

- 3 Click the node entry in the Contents table.
  - a Click the Edit button on the menu tool bar.

*The Node Properties window opens.*

## Node Properties window

- 4 In the Last Provision Date panel determine the date that you wish to use.

**If**

**Do**

you want to change the Last Provision Date to the system default

step [5](#)

you want to change the Last Provision Date to a date other than the system default

step [6](#)

- 5 Click the Reset button in the Last Provision Date panel.  
*The Last Provision Date is filled with the system default date.*
- a Click Submit.
  - b Go to step [7](#).
- 6 Click the Day, Month, and Year list buttons, respectively, and select an entry in each list.
- a Click Submit.

- 7 In the Contents table, select the MS 2000 node to be provisioned.
- 8 If the MS 2000 node is not already enabled, click the Enable column box associated with the node.  
*A check mark appears in the Enable column box.*
- 9 Click the Provision Node button on the menu tool bar.  
*The Provision Node window opens.*
- 10 Click OK.  
If the audio is successfully provisioned to the node, the following logs are captured on the server hosting the APS:
  - file generation on the APS
  - completion of file generation on the APS
  - success message from completion of sending the binary audio dat file
  - success message from completion of sending the configuration dat file
  - success msg from file sending from APS using HTTP
  - success msg from activating new audio on the MS 2000 Series node
  - success msg from activating a provisioning session on the MS 2000 Series node
- 11 You have completed this procedure.

---

## Adding a provision set to an MS 2000 Series node

---

### Adding a provision set to an MS 2000 Series node

#### ***At the APS Administration Tool screen***

- 1** Select the Provision Sets folder in the Administration Container Tree.  
*The Contents table is populated with the provision sets in the APS database.*
- 2** Select a provision set in the Contents table to be copied into the new MS 2000 Series node.
- 3** Click the Copy button on the menu tool bar.
- 4** Select the Nodes folder in the Administration Container Tree.  
*The Contents table is populated with the MS 2000 Series nodes in the APS database.*
- 5** Select the MS 2000 Series node in the Contents table to which the provision set is to be added.
- 6** Click the Paste button on the menu tool bar.
- 7** You have completed this procedure.

---

## Cutting a provision set from an MS 2000 Series node

---

### Cutting a provision set from an MS 2000 Series node

#### ***At the APS Administration Tool screen***

- 1** Expand the Nodes folder in the Administration Container Tree.  
*The Administration Container Tree is populated with MS 2000 Series nodes in the APS database.*
- 2** In the Administration Container Tree, click the MS 2000 Series node from which a provision set is to be cut.  
*The contents table is populated with provision sets contained by the specified MS 2000 Series node.*
- 3** In the Contents table, select the provision set to be deleted.
- 4** Click the Cut button on the menu tool bar.  
*The Cut Entity from Administrative Entity Warning window opens.*

---

| If                                                             | Do                     |
|----------------------------------------------------------------|------------------------|
| you want to cut the provision set from the MS 2000 Series node | step <a href="#">5</a> |
| you want to cancel                                             | step <a href="#">6</a> |

---

- 5** Click OK. Go to step [7](#).
- 6** Click Cancel.
- 7** You have completed this procedure.

---

## Adding audio to the database

---

### Adding audio to the database

#### *At the APS Audio Management Tool screen*

- 1 Click the File Upload button on the menu tool bar. For more information, see the procedure [Uploading audio files](#).
- 2 Include import segments only. For more information, see the procedure [Importing physical segments](#).
- 3 Import the uploaded audio files to the APS database. For more information, see the procedure [Importing physical segments](#).
- 4 Include physical segment only. For more information, see the procedure [Filtering physical segments](#).
- 5 You have completed this procedure.



---

## Adding audio to a language folder

---

### Adding audio to a language folder

#### *At the APS Audio Management Tool screen*

- 1 Select a language version subfolder with a selector type of Variable Audio.
- 2 Click the Bulk Import button to add physical segments to the language version folder. For more information, see the procedure [Adding physical segments to a language version folder](#).

**Note:** Performing a bulk import of segments to language version folder is a database-, cpu-, and network-intensive operation. Therefore, bulk import operations should be coordinated in order to minimize the impact on APS GUI users.

- 3 You have completed this procedure.

---

## Deleting audio from the database

---

### Deleting audio from the database

#### *At the APS Audio Management Tool screen*

- 1 Click the Find button on the menu tool bar. For more information, see the procedure [Finding provisionable entities](#).
- 2 Cut the provisionable entities from the container. For more information, see the procedure [Cutting a segment from a container](#).
- 3 Click the Delete button on the menu tool bar. For more information, see the procedure [Deleting a provisionable entity](#).
- 4 You have completed this procedure.

---

## Provisioning audio in multiple languages

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Audio can be provisioned in multiple languages. For example, to create the phrase, “Today is Monday,” an audio set is created. The set type in the audio set is specified as “weekday.” Then the audio physical segment, “Today is <selector value>,” is added to the audio set with a selector value, “Monday.” To provision the set, the selector value must be specified as the default. When the audio physical segment is added, an audio variable must be created. For the phrase above, the audio variable type is specified as “weekday” and the subtype as “Monday.” The default language in which “Monday” is to be played, and any required variable values, are specified. The audio variable, as defined, references the language version folder for the correct recording of the audio. The audio variable is then added to the set.

The same process is followed for each language in which “Monday” is to be played. Each set is added to an audio sequence. At runtime the information is provisioned to an MS 2000 Series node or gateway and the audio physical segment is played in the order specified for the sequence, in the language specified.

### Provisioning audio in multiple languages

#### *At the APS Audio Management Tool screen*

- 1 Create an audio set and specify a set type. For more information, see the procedure [Creating audio sets](#).
- 2 Add segments to the set and specify selector values and a default set element. For more information, see the procedure [Adding segments to an audio set](#).
- 3 Create an audio variable and specify the variable type, variable subtype, default language, and variable value. For more information, see the procedure [Creating audio variables](#).
- 4 Bulk add the segments to a language version folder. For more information, see the procedure [Adding physical segments to a language version folder](#).
- 5 Add the audio variable to the audio set. For more information, see the procedure [Adding segments to an audio set](#).
- 6 Add the audio set to the audio sequence. For more information, see the procedure [Adding segments to an audio sequence](#).
- 7 Reorder the elements of the sequence. For more information, see the procedure [Reordering sequence elements](#).
- 8 You have completed this procedure.

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## Building an export package

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### Building an export package

#### *At the APS Audio Management Tool screen*

- 1 Upload the audio files from the client machine to the APS. For more information, see the procedure [Uploading audio files](#).
- 2 Import the uploaded audio files to the APS database. For more information, see the procedure [Importing physical segments](#).
- 3 Set the physical segments filter to include only physical segments. For more information, see the procedure [Filtering physical segments](#).
- 4 Create a new audio sets folder. For more information, see the procedure [Creating audio sets](#).
- 5 Add physical segments to the audio sets folder. For more information, see the procedure [Adding segments to an audio set](#).
- 6 Add the simple set to an audio package. For more information, see the procedure [Adding simple sets to an export package](#).
- 7 Add physical segments to an audio package. For more information, see the procedure [Adding physical segments to an export package](#).
- 8 Lock the audio package. For more information, see the procedure [Locking and unlocking an export package](#).
- 9 Export the audio package. For more information, see the procedure [Exporting audio packages](#).
- 10 FTP the export file from your export directory to a remote gateway. For more information, see the procedure [Distributing audio packages](#).
- 11 You have completed this procedure.

## Uploading audio files

This procedure enables you to upload individual audio files and zip files containing multiple audio files from the client machine to the APS. Up to five files can be uploaded at one time, with a total uploaded file size of 5MB allowed. The audio files are uploaded either to your import directory or to your bulk import directory.

**Note 1:** Files can be zipped using any standard WinZip software. After uploading is complete, the audio management software automatically unzips the zipped files.

**Note 2:** Only language-specific variables with special, reserved file names (for example, eng0, the file name for “zero” spoken in English in a rising tone) can be imported from the bulk import directory.

**Note 3:** Complex announcements for features like Call Forwarding Remote Access (CFRA) cannot be imported from the bulk import directory.

### Uploading audio files

#### At the APS Audio Management Tool screen

- 1 Click the File Upload button on the menu tool bar.

*The APS File Upload page opens in a new browser window.*

#### APS File Upload window

**APS File Upload**

Please select the file/s you want to upload - use the BROWSE button

Select an audio file (aud, zip,...)

Select an audio file (aud, zip,...)

Select an audio file (aud, zip,...)

Select an audio file (aud, zip,...)

Select an audio file (aud, zip,...)

Please choose the directory you want the file/s uploaded to

▼

- 2 Enter up to five files that reside on the client file system.
- 3 Specify if the files are uploaded to the import or bulk import directory.
- 4 Click the Upload File(s) button to upload the specified files to the APS.

**Note:** Further action must not be taken until the system completes uploading the selected files to the APS.

*The system uploads the files to the APS, and if any of the files have the .ZIP extension, the system extracts the files contained in the file. The files appear in the import or bulk import directory.*

- 5 In the APS File Upload Result window, the system displays the file name, file content, and file size for each specified file, and also the number of files that it has unzipped. Examine this information to ensure that the files were uploaded correctly. Check for non-zero file sizes and ensure that all the .ZIP files have been extracted.
- 6 Click the Exit button on the menu tool bar.
- 7 You have completed this procedure.

## Filtering physical segments

This procedure enables you to set the filter for the Physical Segments table to display a selected range, or type, of physical segments in the database.

You can enter an asterisk (\*), as a wildcard, for either the start ID or the end ID, when specifying a range of physical segments. Entering an asterisk for both the start ID and the end ID of the range indicates all items. Entering either a start ID that is greater than the end ID or an invalid value causes an error. The start ID and end ID fields are only enabled when Include Physical Segments Only is selected in the Physical Segments Filter Dialog screen.

Although you can specify either that only import segments or only physical segments will display, you can specify only for physical segments that either the latest version or all versions will display.

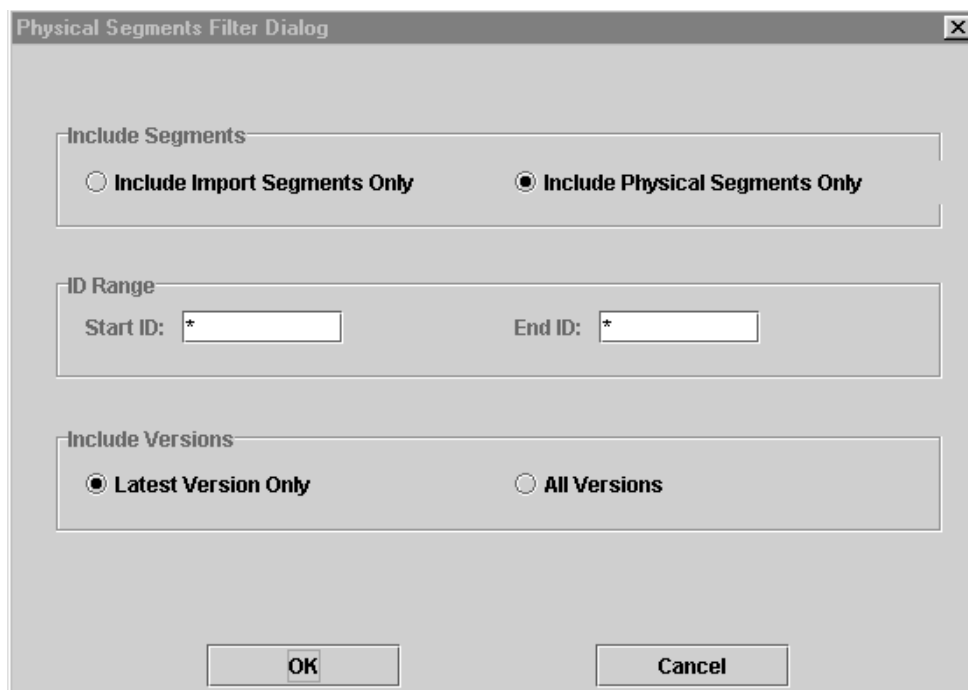
### Filtering physical segments

#### ***At the APS Audio Management Tool screen***

- 1 Click the Filter button in the Physical Segments panel.

*The Physical Segments Filter window opens.*

#### **Physical Segments Filter window**



The image shows a screenshot of the 'Physical Segments Filter Dialog' window. The window has a title bar with the text 'Physical Segments Filter Dialog' and a close button. The main area contains three sections: 'Include Segments' with two radio buttons, 'Include Import Segments Only' and 'Include Physical Segments Only' (which is selected); 'ID Range' with two text boxes for 'Start ID' and 'End ID', both containing an asterisk (\*); and 'Include Versions' with two radio buttons, 'Latest Version Only' (which is selected) and 'All Versions'. At the bottom of the window are two buttons: 'OK' and 'Cancel'.

|          | If                                                                                                                   | Do                     |
|----------|----------------------------------------------------------------------------------------------------------------------|------------------------|
|          | you want to include physical segments only                                                                           | step <a href="#">2</a> |
|          | you want to include import segments only                                                                             | step <a href="#">3</a> |
|          | you want to cancel                                                                                                   | step <a href="#">4</a> |
| <b>2</b> | Click the Include Physical Segments Only radio button.                                                               |                        |
|          | <b>a</b> Enter a start ID and an end ID, or keep the default.                                                        |                        |
|          | <b>b</b> Click the radio button to include latest versions or click the radio button to include all versions.        |                        |
|          | <b>c</b> Click OK.                                                                                                   |                        |
|          | <i>The Physical Segments table is populated with the physical segments of the type you specified.</i>                |                        |
|          | <b>Note:</b> If you enter an invalid filter setting, click OK in the Invalid Filter Settings window. Repeat step 2a. |                        |
|          | <b>d</b> Go to step <a href="#">5</a> .                                                                              |                        |
| <b>3</b> | Click the Include Import Segments Only radio button                                                                  |                        |
|          | <b>a</b> Click OK.                                                                                                   |                        |
|          | <i>The Physical Segments table is populated with the import segments found in your import directory on the APS.</i>  |                        |
|          | <b>b</b> Go to step <a href="#">5</a> .                                                                              |                        |
| <b>4</b> | Click Cancel.                                                                                                        |                        |
| <b>5</b> | You have completed this procedure.                                                                                   |                        |



## Importing physical segments

This procedure enables you to import a physical segment, uploaded from a client machine, into the database.

### Importing physical segments

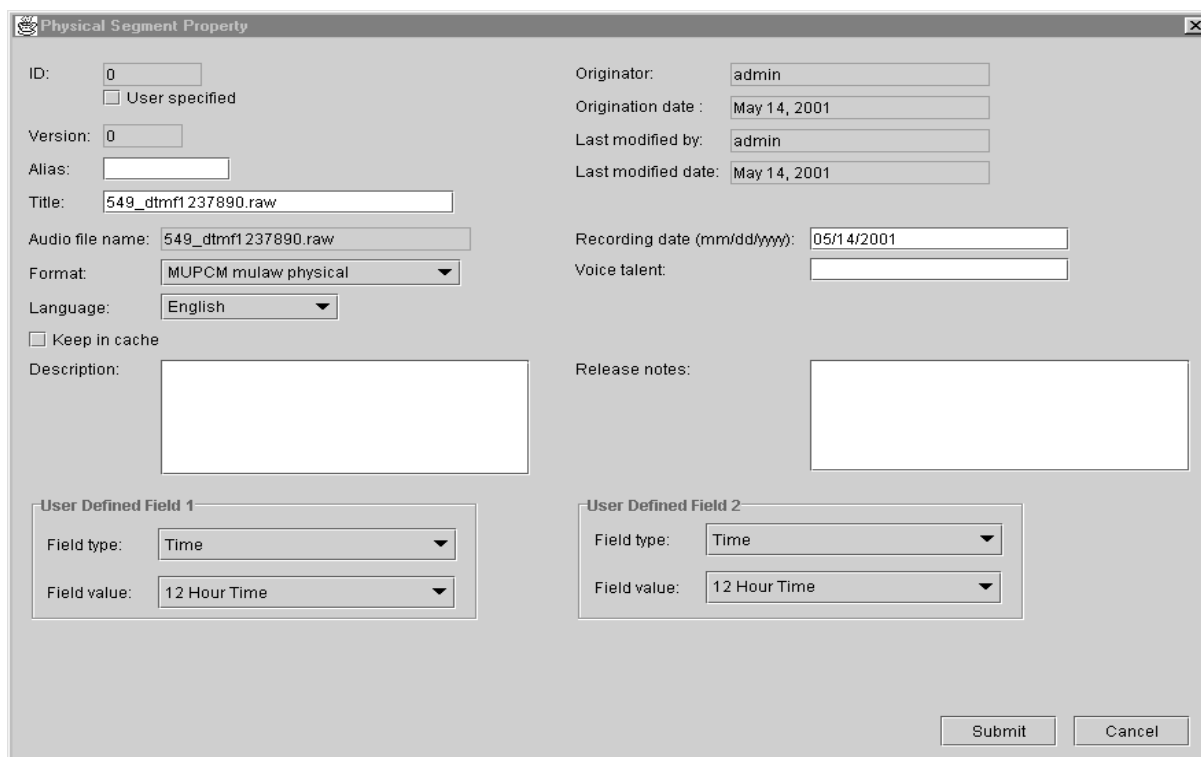
#### *At the APS Audio Management Tool screen*

- 1 Click the Filter button in the Physical Segments panel.  
*The Physical Segments Filter window opens.*
- 2 Click the Include Import Segments Only radio button.
- 3 Click OK.
- 4 Select an import segment in the Physical Segments table.

**Note:** To select more than one import segment hold down the Shift or Ctrl key on your keyboard and click with your left mouse button.

- 5 Click the Import button on the menu tool bar.  
*The Physical Segment Property window opens.*

### Physical Segment Property window



The screenshot shows the 'Physical Segment Property' window with the following fields and controls:

- ID:** 0, with a checkbox for 'User specified'.
- Version:** 0
- Alias:** (empty text box)
- Title:** 549\_dtmf1237890.raw
- Audio file name:** 549\_dtmf1237890.raw
- Format:** MUPCM mulaw physical (dropdown menu)
- Language:** English (dropdown menu)
- ☐ Keep in cache
- Description:** (large empty text area)
- Originator:** admin
- Origination date:** May 14, 2001
- Last modified by:** admin
- Last modified date:** May 14, 2001
- Recording date (mm/dd/yyyy):** 05/14/2001
- Voice talent:** (empty text box)
- Release notes:** (large empty text area)
- User Defined Field 1:**
  - Field type: Time (dropdown menu)
  - Field value: 12 Hour Time (dropdown menu)
- User Defined Field 2:**
  - Field type: Time (dropdown menu)
  - Field value: 12 Hour Time (dropdown menu)
- Buttons:** Submit, Cancel

**6** Enter the following information about the physical segment.

- ID
- Alias
- Title
- Format (mandatory)

**Note:** If the segment is to be played on an MS 2000 Series node, the segment must be in G.711 mu-law or a-law format.

- Language
- Keep in cache
- Description
- Recording Date (mandatory)
- Voice Talent
- Release Notes
- User Defined Field 1
- User Defined Field 2

| If                               | Do                     |
|----------------------------------|------------------------|
| you want to cancel               | step <a href="#">7</a> |
| you want to submit the operation | step <a href="#">8</a> |

**7** Click Cancel. Go to step [10](#).**8** Click Submit.

| If                                                              | Do                                                                       |
|-----------------------------------------------------------------|--------------------------------------------------------------------------|
| you entered an invalid or non-unique alias                      | Procedure <a href="#">Correcting an invalid or non-unique alias</a>      |
| you entered an invalid or non-unique segment ID                 | Procedure <a href="#">Correcting an invalid or non-unique segment ID</a> |
| you entered both an invalid alias and an invalid segment ID     | Procedure <a href="#">Correcting invalid aliases and segment IDs</a>     |
| you entered both a non-unique alias and a non-unique segment ID | Procedure <a href="#">Correcting non-unique aliases and segment IDs</a>  |
| the operation was successful                                    | step <a href="#">9</a>                                                   |

**9** Verify that the segment has been imported.

- a Click the Filter button in the Physical Segments panel.  
*The Physical Segments Filter window opens.*
  - b Click the Include Physical Segments Only radio button.
  - c Enter a Start ID and End ID to narrow your search.  
**Note:** You can enter the ID shown in the Import Physical Segment Result window in the Start ID and End ID fields to cause the physical segment just imported to display in the Physical Segments table.
  - d Click either the include Latest Version Only or All Versions radio button.
  - e Click OK.  
*The Physical Segments table is populated with the physical segments in the database that match the filter criteria you have specified.*
  - f Look in the Physical Segments table for your imported physical segment.
- 10 You have completed this procedure.

## Editing physical segment properties

### Editing physical segment properties

#### At the **APS Audio Management Tool** screen

- 1 Select the physical segment you want to edit in the Physical Segments table, the Contents table, or the Audio Container tree.
- 2 Click the Edit button on the menu tool bar.  
*The Physical Segment Property window opens.*
- 3 Enter changes for the physical segment for the following.
  - ID
  - Alias
  - Title
  - Release Notes
  - Format
  - Language
  - Keep in cache
  - Description
  - Recording Date
  - Voice Talent
  - User Defined Field 1
  - User Defined Field 2

| If                               | Do                     |
|----------------------------------|------------------------|
| you want to cancel               | step <a href="#">4</a> |
| you want to submit the operation | step <a href="#">5</a> |

- 4 Click Cancel. Go to step [6](#).

- 5 Click Submit.

| If                                         | Do                                                                  |
|--------------------------------------------|---------------------------------------------------------------------|
| you entered an invalid or non-unique alias | Procedure <a href="#">Correcting an invalid or non-unique alias</a> |
| the operation was successful               | step <a href="#">6</a>                                              |

- 6 You have completed this procedure.

## Replacing audio

This procedure enables you to replace an existing physical segment with audio in the import directory.

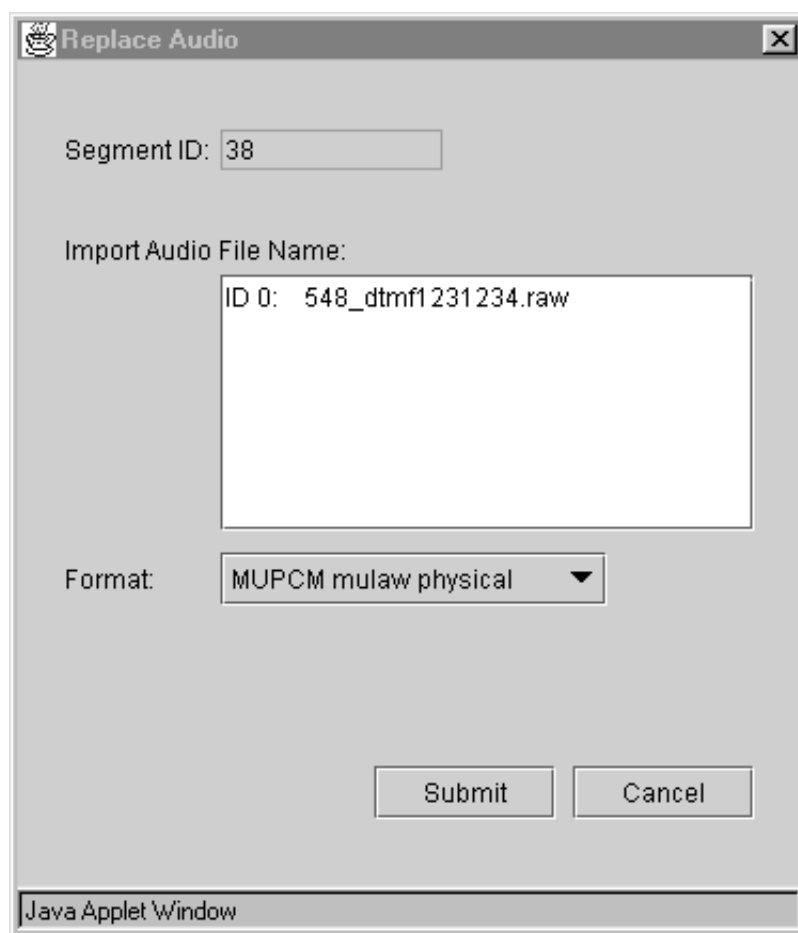
### Replacing audio

#### *At the APS Audio Management Tool screen*

- 1 Select a physical segment in the Physical Segments table, the Contents table, or the Audio Container tree.
- 2 Click the Replace Audio button on the menu tool bar.

*The Replace Audio window opens with the segment ID and the list of available audio segments in the user's import directory.*

### Replace Audio window



- 3 Select an audio file in the Import Audio File Name audio list to replace the file in the database.

- 4** Select the format of the new audio file.

---

**If**

**Do**

---

you want to submit the operation

step [5](#)

you want to cancel

step [6](#)

---

- 5** Click Submit.

- a** Click Refresh in the Physical Segments panel.

*The version number of the replaced audio is updated.*

- b** Go to step [7](#).

- 6** Click Cancel.

- 7** You have completed this procedure.

## Cloning a physical segment

This procedure enables you to clone a physical segment in order to create either a new physical segment with a new ID or a new version of the current physical segment. The audio associated with the new physical segment is the same as that of the cloned physical segment.

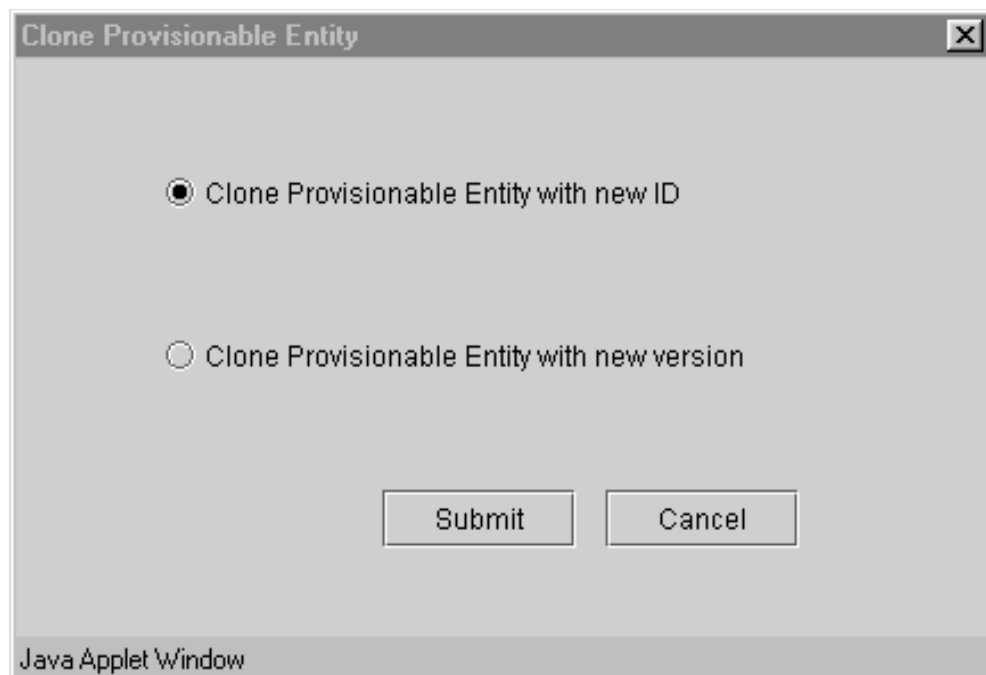
By default, a maximum of three versions of a physical segment can be stored in the database. The Maximum Physical Segment Versions system parameter can, however, be changed in the database.

### Cloning a physical segment

#### *At the APS Audio Management Tool screen*

- 1 Select a physical segment in the Audio Container Tree, the Contents table, or the Physical Segments table.
- 2 Click the Clone button on the menu tool bar.  
*The Clone Provisionable Entity window opens.*

### Clone Provisionable Entity window



| If                                                          | Do                     |
|-------------------------------------------------------------|------------------------|
| you want to clone the provisionable entity with a new ID    | step <a href="#">3</a> |
| you want to clone a provisionable entity with a new version | step <a href="#">4</a> |
| you want to cancel                                          | step <a href="#">5</a> |

**3** Click Submit.

*The Clone Provisionable Entity window opens.*

- a** Enter an Alias and Segment ID for the new physical segment.
- b** Click Submit.

| If                                                              | Do                                                                       |
|-----------------------------------------------------------------|--------------------------------------------------------------------------|
| you entered an invalid or non-unique alias                      | Procedure <a href="#">Correcting an invalid or non-unique alias</a>      |
| you entered an invalid or non-unique segment ID                 | Procedure <a href="#">Correcting an invalid or non-unique segment ID</a> |
| you entered both an invalid alias and an invalid segment ID     | Procedure <a href="#">Correcting invalid aliases and segment IDs</a>     |
| you entered both a non-unique alias and a non-unique segment ID | Procedure <a href="#">Correcting non-unique aliases and segment IDs</a>  |
| the operation was successful                                    | step <a href="#">6</a>                                                   |

**4** Click the Clone Provisionable Entity with new version radio button.

- a** Click Submit. Go to step [6](#).

**5** Click Cancel.**6** You have completed this procedure.



## Creating an export package

### Creating an export package

#### At the APS Audio Management Tool screen

- 1 Select the Export Packages folder in the Audio Container tree.
- 2 Click the New button on the menu tool bar.

*The Audio Package Properties window opens with a Package ID of 0.*

### Audio Package Properties window

The screenshot shows the 'Audio Package Properties' window. It has a title bar with a close button. The window is divided into several sections. On the left, there are input fields for 'ID' (0), 'Version' (0), 'Alias' (0), and 'Title' (Default Title). Below these is a 'Description' section with a text area containing 'Default description'. On the right, there are input fields for 'Originator' (admin), 'Origination date' (May 14, 2001), and 'Last modified by' (N/A). At the bottom left, there are input fields for 'Last exported by' (N/A), 'Last export date' (N/A), 'Lock status' (Unlocked), and 'Locked/unlocked by' (N/A). Below these is a dropdown menu for 'Package format version' set to '2.1 a'. At the bottom right, there are 'Submit' and 'Cancel' buttons. The window is identified as a 'Java Applet Window' in the bottom left corner.

- 3 Enter the following information about the package.
  - Alias
  - Title

- Description
- Package Format Version

---

**If****Do**

---

you want to cancel

step [4](#)

you want to submit the operation

step [5](#)

---

**4** Click Cancel. Go to step [6](#).**5** Click Submit.

---

**If****Do**

---

you entered an invalid or  
non-unique aliasProcedure [Correcting an  
invalid or non-unique alias](#)

the operation was successful

step [6](#)

---

**6** You have completed this procedure.

---

## Locking and unlocking an export package

---

This procedure enables you to lock and unlock an export package. An export package can be locked to prevent other users from making changes to it. An export package must be locked before it can be exported to a gateway. A locked export package must first be unlocked before it can be edited or before its content can be changed.

Each time that you unlock an export package, the system creates a new version in the database. By default, the database stores only three versions of an export package. The Maximum Package Versions system parameter can, however, be changed in the database.

**Note:** The same person who unlocks the package must also lock the package for export.

### Locking and unlocking an export package

#### *At the APS Audio Management Tool screen*

- 1 Select the Export Packages folder in the Audio Container tree.  
*The Contents table is populated with the export packages in the APS database.*
- 2 Click within the Locked box to lock or unlock the selected export package.  
*The Change Package Lock Status window opens.*

| If                                                                                                | Do                     |
|---------------------------------------------------------------------------------------------------|------------------------|
| you are attempting to lock an audio package and the audio package is already locked               | step <a href="#">3</a> |
| you are attempting to lock an audio package and the audio package is unlocked by a different user | step <a href="#">4</a> |
| you are attempting to lock an audio package and the audio package contains a non-simple set       | step <a href="#">5</a> |
| if the lock or unlock operation was successful                                                    | step <a href="#">6</a> |

- 3 An error dialog window opens.
  - a Read the error message.
  - b Click OK in the error dialog window.
  - c Go to step [2](#).

- 4** An error dialog window opens.
  - a** Read the error message.
  - b** Click OK in the error dialog window.
  - c** Inform the other user that you are locking the export package.
  - d** Go to step [7](#).
- 5** An error dialog window opens.
  - a** Read the error message.
  - b** Click OK in the error dialog window.
  - c** Cut the non-simple set from the export package. For more information, see the procedure [Cutting a segment from a container](#).
  - d** Go to step [7](#).
- 6** Click OK.
- 7** You have completed this procedure.

---

## Adding physical segments to an export package

---

This procedure enables you to add physical segments to an export package.

**Note:** A physical segment cannot be added to an export package when either the export package or the segment is invalid, or when the segment ID is out of the acceptable range for the format version of the export package.

### Adding physical segments to an export package

#### *At the APS Audio Management Tool screen*

- 1 Click the Refresh button in the Physical Segments panel.
- 2 Select a physical segment in the Physical Segments table.
- 3 Click the COPY button on the menu tool bar.
- 4 Select the Export Packages folder in the Audio Container tree.
- 5 Select an export package in the Contents table.
- 6 Unlock the export package if it is locked. For more information, see the procedure [Locking and unlocking an export package](#).
- 7 Click the Paste button on the menu tool bar.
- 8 You have completed this procedure.

---

## Adding simple sets to an export package

---

This procedure enables you to add simple sets (sets that contain only physical segments) to an export package.

### Adding simple sets to an export package

#### ***At the APS Audio Management Tool screen***

- 1 Expand the Audio Sets folder in the Audio Container tree.
- 2 Select an audio set that contains only physical segments.  
*The Contents table is populated with the contents of the Audio Set.*
- 3 Click the Copy button on the menu tool bar.
- 4 Select the Export Packages folder in the Audio Container tree.
- 5 Select an export package in the Contents table.
- 6 Unlock the export package if it is locked. For more information, see the procedure [Locking and unlocking an export package](#).
- 7 Click the Paste button on the menu tool bar.
- 8 You have completed this procedure.

## Editing export package properties

### Editing export package properties

#### At the **APS Audio Management Tool** screen

- 1 Select the Export Packages folder in the Audio Container tree.  
*The Contents table is populated with the export packages in the APS database.*
- 2 Select an export package in the Contents table.
- 3 Click the Edit button on the menu tool bar.  
*The Audio Package Properties window opens.*
- 4 Change any of the following information about the export package:

- Alias

**Note:** If you change the alias, it will change for all versions.

- Title
- Description

| If                               | Do                     |
|----------------------------------|------------------------|
| you want to cancel               | step <a href="#">5</a> |
| you want to submit the operation | step <a href="#">6</a> |

- 5 Click Cancel. Go to step [7](#).

- 6 Click Submit.

| If                                         | Do                                                                  |
|--------------------------------------------|---------------------------------------------------------------------|
| you entered an invalid or non-unique alias | Procedure <a href="#">Correcting an invalid or non-unique alias</a> |
| the operation was successful               | step <a href="#">7</a>                                              |

- 7 You have completed this procedure.

## Cloning an export package

This procedure enables you to clone an export package in order to create either a new export package with a new ID or a new version of the current export package.

**Note:** By default, the database stores a maximum of three versions of an export package. The Maximum Package Versions system parameter can, however, be changed in the database.

### Cloning an export package

#### *At the APS Audio Management Tool screen*

- 1 Select the Export Packages folder in the Audio Container tree.  
*The Contents table is populated with a list of export packages.*
- 2 Select an export package in the Contents table that you want to clone.
- 3 Click the Clone button on the menu tool bar.  
*The Clone Provisionable Entity window opens.*

| If                                                      | Do                     |
|---------------------------------------------------------|------------------------|
| you want to clone the export package with a new ID      | step <a href="#">4</a> |
| you want to clone the export package with a new version | step <a href="#">5</a> |
| you want to cancel                                      | step <a href="#">6</a> |

- 4 Click Submit.  
*The Input window opens.*
  - a Enter the Alias for the new export package or leave it blank.
  - b Click OK. Go to step [7](#).
- 5 Click the Clone Provisionable Entity with new version radio button.

**Note 1:** If you are attempting to clone an export package with a new ID, this operation can be performed on either a locked or an unlocked export package.

**Note 2:** If you are attempting to clone the export package with a new version, this operation can be performed only on a locked export package. If the package is unlocked, first click the Cancel button in the Clone Provisionable Entity window,



lock the package (see the procedure [Locking and unlocking an export package](#)), and then click the Clone button on the menu tool bar. When the Clone Provisionable Entity window opens, click the Clone Provisionable Entity with new version radio button.

- a** Click Submit. Go to step [7](#).
- 6** Click Cancel.
- 7** You have completed this procedure.

## Exporting audio packages

This procedure enables you to export any audio package that contains physical segments and simple sets (simple sets contain only physical segments) out of the database in files of a published format.

### Exporting audio packages

#### ***At the APS Audio Management Tool screen***

- 1 Select the Export Packages folder in the Audio Container tree.  
*The Contents table is populated with the export packages in the database.*
- 2 In the Contents table, select a locked audio package to export. (Lock the package if it is not locked; for more information, see the procedure [Locking and unlocking an export package](#).)
- 3 Click the Export button on the menu tool bar.  
*The Export Audio Package window opens.*
- 4 Enter the reason for exporting the audio package and then click OK.  
*The Export Audio Package window opens.*

### Export Audio Package window



The screenshot shows a Java Applet Window titled "Export Audio Package". It displays the following information:

- Audio package export result: SUCCESS
- Export file information:
  - Export directory: /user\_audio\_files/admin/export/
  - Audio file name: 38\_1.aud
  - Catalog file name: 38\_1.cat
  - Index file name: 38\_1.ind
- A "Close" button at the bottom.

The status bar at the bottom of the window indicates "Java Applet Window".

**5** Read the export result and export file information.

**6** Click Close.

---

| <b>If</b>                                                                        | <b>Do</b>               |
|----------------------------------------------------------------------------------|-------------------------|
| you attempted to export an audio package that another user deleted               | step <a href="#">7</a>  |
| you attempted to export an unlocked audio package                                | step <a href="#">8</a>  |
| you attempted to export an audio package that contains invalid physical segments | step <a href="#">9</a>  |
| you attempted to export an audio package that contains a non-simple set          | step <a href="#">10</a> |
| the export operation was successful                                              | step <a href="#">11</a> |

---

**7** An error dialog window opens.

- a** Read the error message.
- b** Click OK.
- c** Create a new export package. For more information, see the procedure [Creating an export package](#).
- d** Repeat this procedure starting at step [1](#).

**8** An error dialog window opens.

- a** Read the error message.
- b** Click OK.
- c** Repeat this procedure starting at step [1](#).

**9** An error dialog window opens.

- a** Read the error message.
- b** Click OK.
- c** Cut the invalid physical segments from the export package. For more information, see the procedure [Cutting a segment from a container](#).
- d** Repeat this procedure starting at step [1](#).

**10** An error dialog window opens.

- a** Read the error message.
- b** Click OK.

- c Cut the non-simple set from the audio package. For more information, see the procedure [Cutting a segment from a container](#).
  - d Repeat this procedure starting at step [1](#).
- 11 Distribute the export package to a gateway. For more information, see the procedure [Distributing audio packages](#).
- 12 You have completed this procedure.

---

## Distributing audio packages

---

This procedure enables you to distribute exported audio packages to a network node such as a Nortel Networks Passport Packet Voice Gateway (PVG). Either a single export package or multiple export packages can be distributed to a network node during one transaction.

**Note 1:** When an audio package is exported, each of the three files created has the same name but a different extension. For example, if a package ID 25, version 3 is exported, the three files, “25\_3.aud,” “25\_3.cat,” and “25\_3.ind” will be created. When an export package is distributed to a PVG gateway, all three of the files are transferred and the names of the files, as generated during the export function, are preserved in the gateway destination directory.

**Note 2:** In order to distribute audio packages, an FTP server that accepts the APS export package files must be running on the target gateway.

### Distributing audio packages

#### ***At the APS Audio Management Tool screen***

- 1 Click the Distribute Packages button on the menu tool bar.  
*The Package Distribution to Gateways window opens.*

**Package Distribution to Gateways window**

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## Package Distribution to Gateways

Choose one or more export packages for user: *admin* , group: *admin*

| <input checked="" type="checkbox"/> | Package ID | Version | Last Export Date             | Package Format |
|-------------------------------------|------------|---------|------------------------------|----------------|
| <input type="checkbox"/>            | Package 25 | 1       | Thu Sep 14 19:26:41 EDT 2000 | 2.1b           |
| <input type="checkbox"/>            | Package 26 | 1       | Thu Sep 14 19:26:50 EDT 2000 | 3.0a           |
| <input type="checkbox"/>            | Package 26 | 2       | Thu Sep 14 19:27:40 EDT 2000 | 3.0a           |
| <input type="checkbox"/>            | Package 26 | 3       | Fri Sep 15 15:53:10 EDT 2000 | 3.0a           |
| <input type="checkbox"/>            | Package 26 | 4       | Tue Oct 24 16:24:58 EDT 2000 | 3.0a           |
| <input type="checkbox"/>            | Package 26 | 5       | Tue Oct 24 16:48:52 EDT 2000 | 3.0a           |
| <input type="checkbox"/>            | Package 2  | 1       | Fri Aug 11 12:08:39 EDT 2000 | 2.1b           |
| <input type="checkbox"/>            | Package 3  | 1       | Tue Aug 08 16:36:14 EDT 2000 | 3.0a           |
| <input type="checkbox"/>            | Package 27 | 1       | Fri Jan 26 10:56:13 EST 2001 | 2.1a           |
| <input type="checkbox"/>            | Package 27 | 2       | Fri Jan 26 12:11:28 EST 2001 | 2.1a           |
| <input type="checkbox"/>            | Package 27 | 3       | Thu Feb 22 07:07:37 EST 2001 | 2.1a           |
| <input type="checkbox"/>            | Package 29 | 2       | Wed Jan 31 13:09:14 EST 2001 | NA             |
| <input type="checkbox"/>            | Package 31 | 2       | Wed Jan 31 13:39:18 EST 2001 | 3.0a           |
| <input type="checkbox"/>            | Package 38 | 1       | Tue Feb 06 10:29:51 EST 2001 | NA             |
| <input type="checkbox"/>            | Package 31 | 1       | Tue Feb 13 07:54:11 EST 2001 | 3.0a           |

☒ Select all displayed packages

Enter Gateway FTP Information

Gateway IP Address

FTP User ID

Full Path to the Destination Directory

FTP Password

Select a Gateway type PVG

Distribute Selected Package(s)

Close

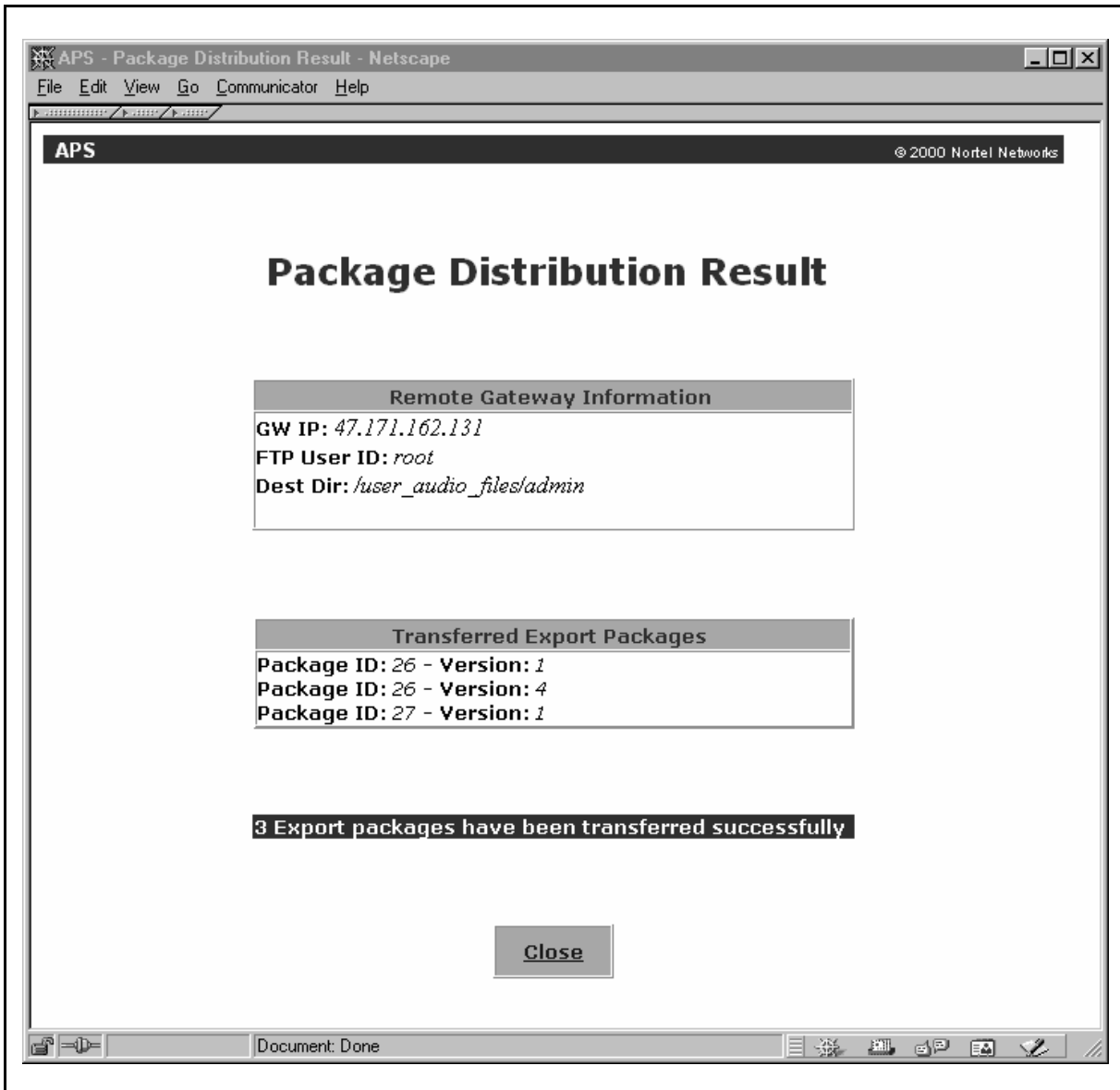
- 2** Enter the following information about the export package:
- Package ID (click the box next to each package to be distributed, or click the “Select all displayed packages” box to include all packages for distribution)
  - Gateway IP (address)
  - Absolute Path of the Dest Dir
- Note:** Enter the full path of the destination directory.
- FTP User ID
  - FTP Password
  - Select a GW type

**Note:** Click the GW type entry cell to pull down a list of available gateway types. If you don’t choose a gateway type, the system defaults to “PVG.”

| If                               | Do                     |
|----------------------------------|------------------------|
| you want to cancel               | step <a href="#">3</a> |
| you want to submit the operation | step <a href="#">4</a> |

- 3** Click Close.
- a** Go to step [5](#).
- 4** Click Distribute Selected Package(s).  
*The Package Distribution Result window opens.*

## Package Distribution Result window



- a After verifying the information about the file transfer, click Close.
- 5 You have completed this procedure.



## Creating audio sets

### Creating audio sets

#### At the APS Audio Management Tool screen

- 1 Select the Audio Sets folder in the Audio Container tree.
- 2 Click the New button on the menu tool bar.

*The Audio Set Properties window opens.*

#### Audio Set Properties window

Audio Set Properties

ID: 0  
☐ User specified

Alias:

Title: Default Title

Set type: Time

Originator: admin

Origination date: May 21, 2001

Last modified by: admin

Last modified date: May 21, 2001

Description:

Submit Cancel

Java Applet Window

- 3 Enter the following information about the audio set:

- ID
- Alias
- Title
- Set Type
- Description

---

**If**

you want to cancel

---

**Do**

step [4](#)

|   |                                              | If                                                              | Do                                                                       |
|---|----------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------|
|   |                                              | you want to submit the operation                                | step <a href="#">5</a>                                                   |
| 4 | Click Cancel. Go to step <a href="#">6</a> . |                                                                 |                                                                          |
| 5 | Click Submit.                                |                                                                 |                                                                          |
|   |                                              | If                                                              | Do                                                                       |
|   |                                              | you entered an invalid or non-unique alias                      | Procedure <a href="#">Correcting an invalid or non-unique alias</a>      |
|   |                                              | you entered an invalid or non-unique segment ID                 | Procedure <a href="#">Correcting an invalid or non-unique segment ID</a> |
|   |                                              | you entered both an invalid alias and an invalid segment ID     | Procedure <a href="#">Correcting invalid aliases and segment IDs</a>     |
|   |                                              | you entered both a non-unique alias and a non-unique segment ID | Procedure <a href="#">Correcting non-unique aliases and segment IDs</a>  |
|   |                                              | the operation was successful                                    | step <a href="#">6</a>                                                   |
| 6 | You have completed this procedure.           |                                                                 |                                                                          |

## Adding segments to an audio set

This procedure enables you to add other audio sets, physical segments, audio sequences, and audio variables to an audio set.

The selector values used within a set must be unique. For example, if you have an audio set with a set type “weekday,” you cannot have two “Monday” selector values for the contents within the set. If all of the selector values in the set have been used (in this case, “Monday” through “Friday”), and you want to add an additional segment with an existing selector value in the set, then you must cut that segment that has the selector value you want to use.

You can add more than one segment into an audio set at the same time. If you decide to add more than one segment, it is important to be aware of the maximum number of selector values that are available for assignment to each segment. For example, if you want to add three physical segments into an audio set with a set type of “time,” which has two defined selector values (12 hour time, 24 hour time), the system will not add the third physical segment because an additional selector value is not available for the set.

### ATTENTION

You must assign a default segment to the audio set in order to provision the audio set to an MS 2000 Series node. To identify an audio set that does not have a default segment, expand the Audio Sets folder in the Audio Container tree. Those items with black dots positioned next to them in the Set Contents table do not have a default segment provisioned.

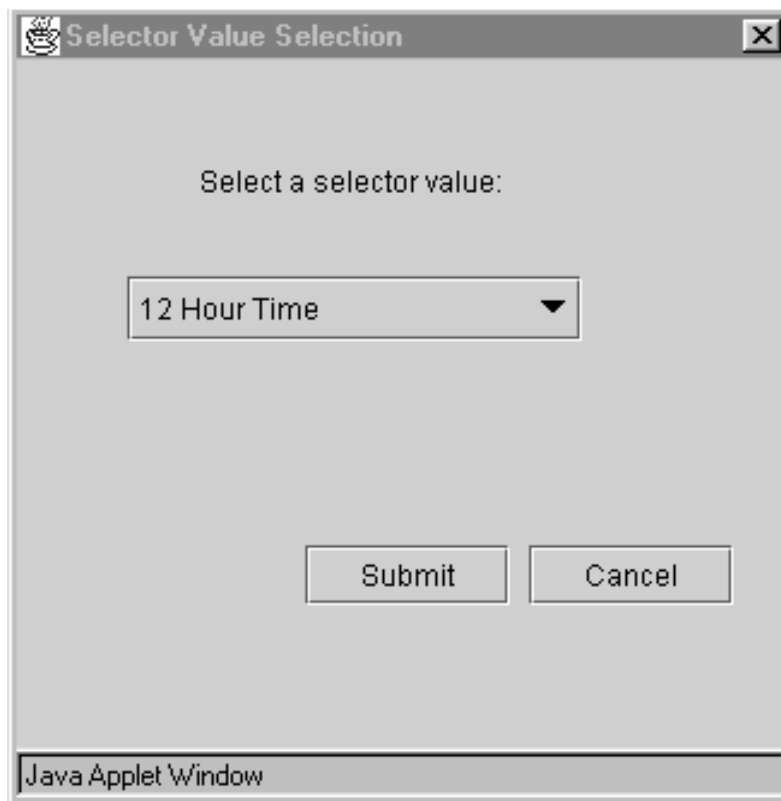
## Adding segments to an audio set

### *At the APS Audio Management Tool screen*

- 1 Expand the Audio Sets folder in the Audio Container tree.

| If                                                 | Do                     |
|----------------------------------------------------|------------------------|
| you want to add an audio set to an audio set       | step <a href="#">2</a> |
| you want to add a physical segment to an audio set | step <a href="#">3</a> |

| If                                                | Do                                                                                                                                                             |
|---------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| you want to add a sequence to an audio set        | step <a href="#">4</a>                                                                                                                                         |
| you want to add an audio variable to an audio set | step <a href="#">5</a>                                                                                                                                         |
| <b>2</b>                                          | Select an audio set in the Audio Container tree. Go to step <a href="#">6</a> .                                                                                |
| <b>3</b>                                          | Click the Refresh button in the physical segments panel.<br><i>The Physical Segments table is populated with the physical segments stored in the database.</i> |
| <b>a</b>                                          | Select a segment in the Physical Segments table to be copied to an audio set.                                                                                  |
| <b>b</b>                                          | Go to step <a href="#">6</a> .                                                                                                                                 |
| <b>4</b>                                          | Select an Audio Sequence folder in the Audio Container tree.<br><i>The Contents table is populated with the audio sequences in the APS database.</i>           |
| <b>a</b>                                          | Select an audio sequence in the Contents table to be copied to an audio set.                                                                                   |
| <b>b</b>                                          | Go to step <a href="#">6</a> .                                                                                                                                 |
| <b>5</b>                                          | Select the Audio Variables folder in the Audio Container tree.<br><i>The Contents table is populated with the audio variables in the APS database.</i>         |
| <b>a</b>                                          | Select an audio variable in the Contents table to be copied to an audio set.                                                                                   |
| <b>6</b>                                          | Click the Copy button on the menu tool bar.                                                                                                                    |
| <b>7</b>                                          | In the Audio Container tree, select an audio set to which the copied entity is to be added.                                                                    |
| <b>8</b>                                          | Click the Paste button on the menu tool bar.<br><i>The Selector Value Selection window opens.</i>                                                              |

**Selector Value Selection window**

- 9** Click the pull-down menu and select a Selector Value.

| If                                    | Do                      |
|---------------------------------------|-------------------------|
| you want to accept the selector value | step <a href="#">10</a> |
| you want to cancel the selector value | step <a href="#">11</a> |

- 10** Click Submit to accept the selector value.

*The Default Set Element Prompt window opens.*

- a** Click the Yes button if you want the selector value to be the default, or click the No button if you do not want the selector value to be the default.
  - b** Go to step [12](#).
- 11** Click Cancel.
- 12** You have completed this procedure.

## Changing a set type

This procedure enables you to change the set type in the Contents table.

**Note:** Before you can change the set type of an audio set, the set must be empty.

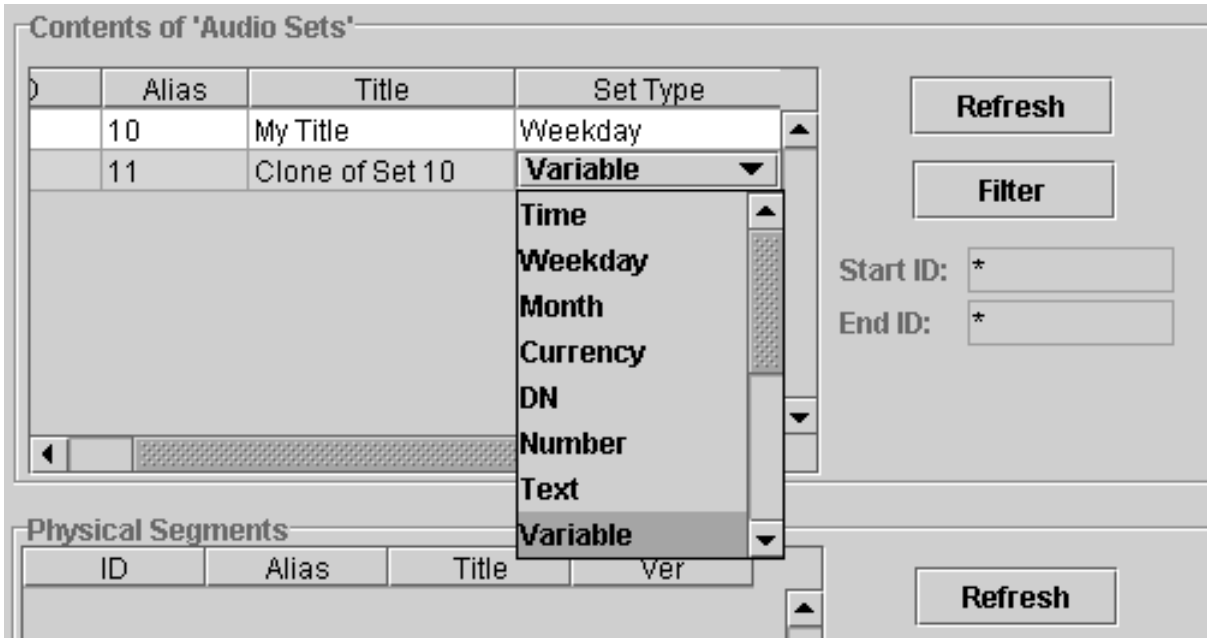
### Changing a set type

#### At the APS Audio Management Tool screen

- 1 Select the Audio Sets folder in the Audio Container tree.  
*The Contents table is populated with a list of audio sets.*
- 2 In the Contents table, select an audio set to be changed.
- 3 In the Contents table, click the Set Type entry cell associated with the audio set you have selected to pull down the menu of available set types.

*A pull-down menu containing available set types opens.*

### Pull-down menu for Set Type



- 4 Click a set type in the menu.

*The system changes the set type for the selected audio set.*

| If                                     | Do                     |
|----------------------------------------|------------------------|
| the set is not empty                   | step <a href="#">5</a> |
| you want to cancel the set type change | step <a href="#">6</a> |
| the operation was successful           | step <a href="#">7</a> |

- 5** Click OK in the Change Set Type window.
  - a** Cut the segments from the audio set. For more information on cutting segments, see [Cutting a segment from a container](#).
  - b** Go to step [2](#).
- 6** Repeat step [3](#) and select the previous set type of the audio set.
- 7** You have completed this procedure.

## Editing audio sets

This procedure enables you to edit the properties of an audio set in the database.

**Note:** Before you can change the set type of an audio set, the set must be empty.

### Editing audio sets

#### *At the APS Audio Management Tool screen*

- 1 Select the Audio Sets folder in the Audio Container tree.  
*The Contents table is populated with a list of audio sets.*
- 2 Select an audio set in the Contents table.
- 3 Click the Edit button on the menu tool bar.  
*The Audio Set Properties window opens.*
- 4 Change the information in any of the following fields:
  - Alias
  - Title
  - Set Type
  - Description

| If                               | Do                     |
|----------------------------------|------------------------|
| you want to cancel               | step <a href="#">5</a> |
| you want to submit the operation | step <a href="#">6</a> |

- 5 Click Cancel. Go to step [8](#).

- 6 Click Submit.

| If                                                      | Do                                                                  |
|---------------------------------------------------------|---------------------------------------------------------------------|
| you entered an invalid or non-unique alias              | Procedure <a href="#">Correcting an invalid or non-unique alias</a> |
| you attempted to change the set type of a non-empty set | Step <a href="#">7</a>                                              |
| the operation was successful                            | step <a href="#">8</a>                                              |

- 7 Click OK in the Edit Set Result window.
  - a Select the audio sets folder in the Audio Container tree.
  - b Select the audio set that is not empty.



*The Contents table is populated with the contents of the audio set.*

- c** Cut the segments from the audio set.

**Note:** For more information on cutting segments, see [Cutting a segment from a container](#).

- d** Return to step [1](#).

- 8** You have completed this procedure.

---

## Changing the set element selector value

---

This procedure enables you to change the selector value of a set element in the Contents table.

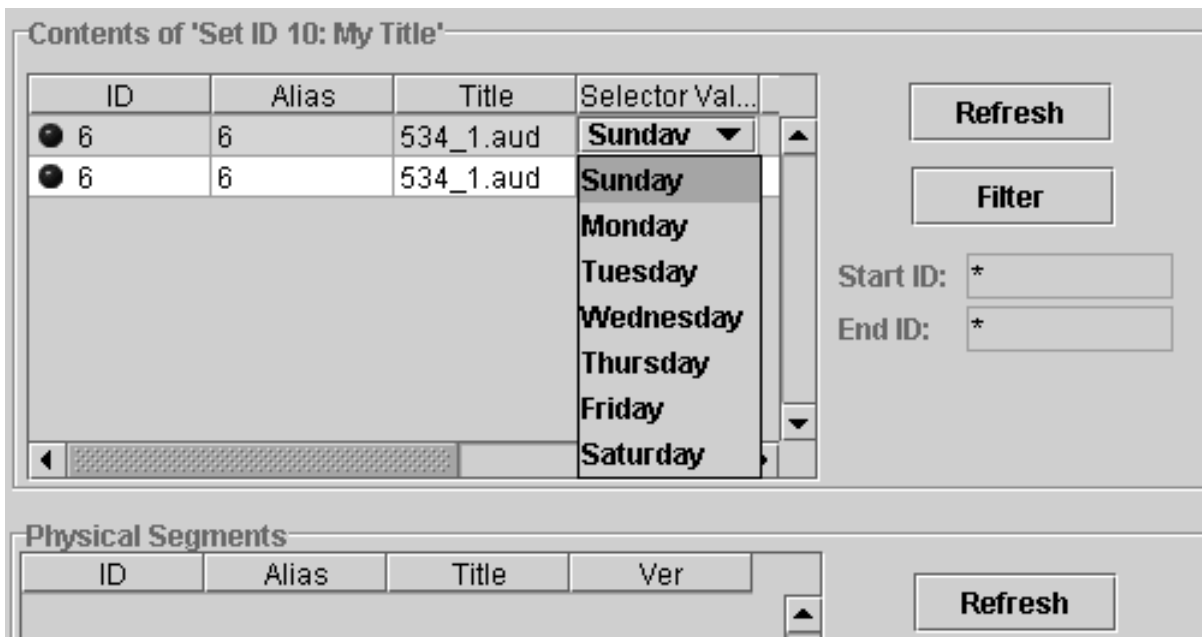
The selector values within a set must be unique. For example, if you have an audio set with a set type “weekday,” you cannot have two “Monday” selector values within the set. If all of the selector values in the set have been used (in this case, “Monday” through “Friday”), and you want to add an additional segment with an existing selector value in the set, then you must cut that segment that has the selector value you want to use.

### Changing the set element selector value

#### ***At the APS Audio Management Tool screen***

- 1 Expand the Audio Sets folder in the Audio Container tree.  
*A list of audio sets appears in the Audio Container tree.*
- 2 Select an audio set in the Audio Container tree.  
*The Contents table is populated with the elements in the Audio set.*
- 3 In the Contents table, select the element to be changed.
- 4 In the Contents table, click the Selector Value associated with the element that you have selected to pull down the menu of available selector values.  
*The pull-down menu containing available selector values opens.*

## Pull-down menu for Selector Value



- 5 Click a selector type in the menu.

*The system changes the selector value for the selected element.*

| If                                                   | Do                     |
|------------------------------------------------------|------------------------|
| the selector value you want to change is the default | step <a href="#">6</a> |
| the change was successful                            | step <a href="#">7</a> |

- 6 Click OK in the Change Selector Value window.
  - a Select the set ID in the Audio Container tree that has the selector value you want to change.
  - b Click the Set Default Element button on the menu tool bar.  
*The Set Default Element window opens.*
  - c From the pull-down menu select None. This specifies that there is no default element in the segment.
  - d Repeat steps [2](#) through [5](#) in this procedure.
- 7 You have completed this procedure.

## Changing the set default element

This procedure enables you to change the set default element for an audio set.



### CAUTION

An audio set that does not have a default element selected (that is, the default element is set to “none”) will not be provisioned to an MS 2000 Series node.

### Changing the set default element

#### *At the APS Audio Management Tool screen*

- 1 Expand the Audio Sets folder in the Audio Container tree.  
*A list of audio sets appears in the Audio Container tree.*
- 2 Select an audio set in the Audio Container tree in which the set default element is to be changed.  
*The Contents table is populated with the contents of the audio set.*
- 3 Click the Set Default Element button on the menu tool bar.  
*The Set Default Element window opens.*

#### Set Default Element window

Set Default Element

Select a selector value to be associated with the  
default element of:  
Set ID 23: Robset5

None ▼

Submit Cancel

- 4 Click on the pull-down menu.
- 5 Select a selector value to associate with the default element or select None to disassociate a selector value with a default element.

| If                                            | Do                     |
|-----------------------------------------------|------------------------|
| you want to submit the default element change | step <a href="#">6</a> |
| you want to cancel                            | step <a href="#">7</a> |

- 6 Click Submit. Go to step [8](#).  
*In the Contents table, a check mark appears in the Default box associated with the selector value that you set as the default.*
- 7 Click Cancel.
- 8 You have completed this procedure.

## Cloning an audio set

This procedure enables you to clone an audio set to create a new set identical to the cloned set, except for the ID and alias.

### Cloning an audio set

#### ***At the APS Audio Management Tool screen***

- 1 Select the Audio Sets folder in the Audio Container tree.  
*The Contents table is populated with a list of audio sets.*
- 2 In the Contents table, select the audio set to be cloned.
- 3 Click the Clone button on the menu tool bar.  
*The Clone Provisionable Entity window opens.*
- 4 If desired, enter a new alias or a new segment ID.

| If                               | Do                     |
|----------------------------------|------------------------|
| you want to cancel               | step <a href="#">5</a> |
| you want to submit the operation | step <a href="#">6</a> |

- 5 Click Cancel. Go to step [7](#).

- 6 Click Submit.

| If                                                              | Do                                                                       |
|-----------------------------------------------------------------|--------------------------------------------------------------------------|
| you entered an invalid or non-unique alias                      | Procedure <a href="#">Correcting an invalid or non-unique alias</a>      |
| you entered an invalid or non-unique segment ID                 | Procedure <a href="#">Correcting an invalid or non-unique segment ID</a> |
| you entered both an invalid alias and an invalid segment ID     | Procedure <a href="#">Correcting invalid aliases and segment IDs</a>     |
| you entered both a non-unique alias and a non-unique segment ID | Procedure <a href="#">Correcting non-unique aliases and segment IDs</a>  |
| the operation was successful                                    | step <a href="#">7</a>                                                   |

- 7 You have completed this procedure.

## Creating sequences

### Creating sequences

#### At the APS Audio Management Tool screen

- 1 Select the Audio Sequences folder in the Audio Container tree.
- 2 Click the New button on the menu tool bar.

*The Audio Sequence Properties window opens.*

#### Audio Sequence Properties window

Audio Sequence Properties

ID: 0  
☐ User specified

Alias:

Title: Default Title

Description:

Originator: admin

Origination date: May 14, 2001

Last modified by: admin

Last modified date: May 14, 2001

Submit Cancel

Java Applet Window

- 3 Enter information for the following fields in the Audio Sequence Properties window:

- Segment ID
- Alias
- Title
- Description

---

**If**

you want to cancel

---

**Do**

step [4](#)

---

|   |                                              | If                                                              | Do                                                                       |
|---|----------------------------------------------|-----------------------------------------------------------------|--------------------------------------------------------------------------|
|   |                                              | you want to submit the operation                                | step <a href="#">5</a>                                                   |
| 4 | Click Cancel. Go to step <a href="#">6</a> . |                                                                 |                                                                          |
| 5 | Click Submit.                                |                                                                 |                                                                          |
|   |                                              | If                                                              | Do                                                                       |
|   |                                              | you entered an invalid or non-unique alias                      | Procedure <a href="#">Correcting an invalid or non-unique alias</a>      |
|   |                                              | you entered an invalid or non-unique segment ID                 | Procedure <a href="#">Correcting an invalid or non-unique segment ID</a> |
|   |                                              | you entered both an invalid alias and an invalid segment ID     | Procedure <a href="#">Correcting invalid aliases and segment IDs</a>     |
|   |                                              | you entered both a non-unique alias and a non-unique segment ID | Procedure <a href="#">Correcting non-unique aliases and segment IDs</a>  |
|   |                                              | the operation was successful                                    | step <a href="#">6</a>                                                   |
| 6 | You have completed this procedure.           |                                                                 |                                                                          |



---

## Adding segments to an audio sequence

---

This procedure enables you to add segments to an audio sequence.

You can add other audio sequences, physical segments, audio variables, and audio sets to an audio sequence. In addition, you can add the same segment to an audio sequence more than once.

The system automatically positions the contents of the audio sequence based on the order in which the elements were added. You can also reorder the positions of the elements within an audio sequence. For more information on reordering elements, see [Reordering sequence elements](#).

### Adding segments to an audio sequence

#### ***At the APS Audio Management Tool screen***

- 1 Expand the Audio Sequences folder in the Audio Container tree.  
*A list of audio sequences appears in the Audio Container tree.*
- 2 Select the type of segment that you want to add to the audio sequence.

| If                                                       | Do                     |
|----------------------------------------------------------|------------------------|
| you want to add a physical segment to the audio sequence | step <a href="#">3</a> |
| you want to add an audio sequence to an audio sequence   | step <a href="#">4</a> |
| you want to add an audio variable to an audio sequence   | step <a href="#">5</a> |
| you want to add an audio set to an audio sequence        | step <a href="#">6</a> |

- 3 Click the Refresh button in the Physical Segments panel.  
*A list of physical segments appears in the Physical Segments table.*
  - a Select one or more physical segments in the Physical Segments table.  
**Note:** To select more than one physical segment, hold down the Shift or Ctrl key on your keyboard and click with your left mouse button.
  - b Go to step [7](#).

- 4 Select another audio sequence in the Audio Container tree that you want to add to the audio sequence.  
**Note:** To select more than one audio sequence, hold down the Shift or Ctrl key on your keyboard and click with your left mouse button.
  - a Go to step [7](#).
- 5 Expand the Audio Variables folder in the Audio Container tree.  
*A list of audio variables appears in the Audio Container tree.*
  - a Select an audio variable in the Audio Container tree that you want to add to the audio sequence.  
**Note:** To select more than one audio variable, hold down the Shift or Ctrl key on your keyboard and click with your left mouse button.
    - b Go to step [7](#).
- 6 Expand the Audio Sets folder in the Audio Container tree.  
*A list of audio sets appears in the Audio Container tree.*
  - a Select an audio set in the Audio Container tree.  
**Note:** To select more than one audio set, hold down the Shift or Ctrl key on your keyboard and click with your left mouse button.
- 7 Click the Copy button on the menu tool bar.
- 8 Select an audio sequence in the Audio Container tree to which the copied entity is to be added.
- 9 Click the Paste button on the menu tool bar.
- 10 You have completed this procedure.

## Reordering sequence elements

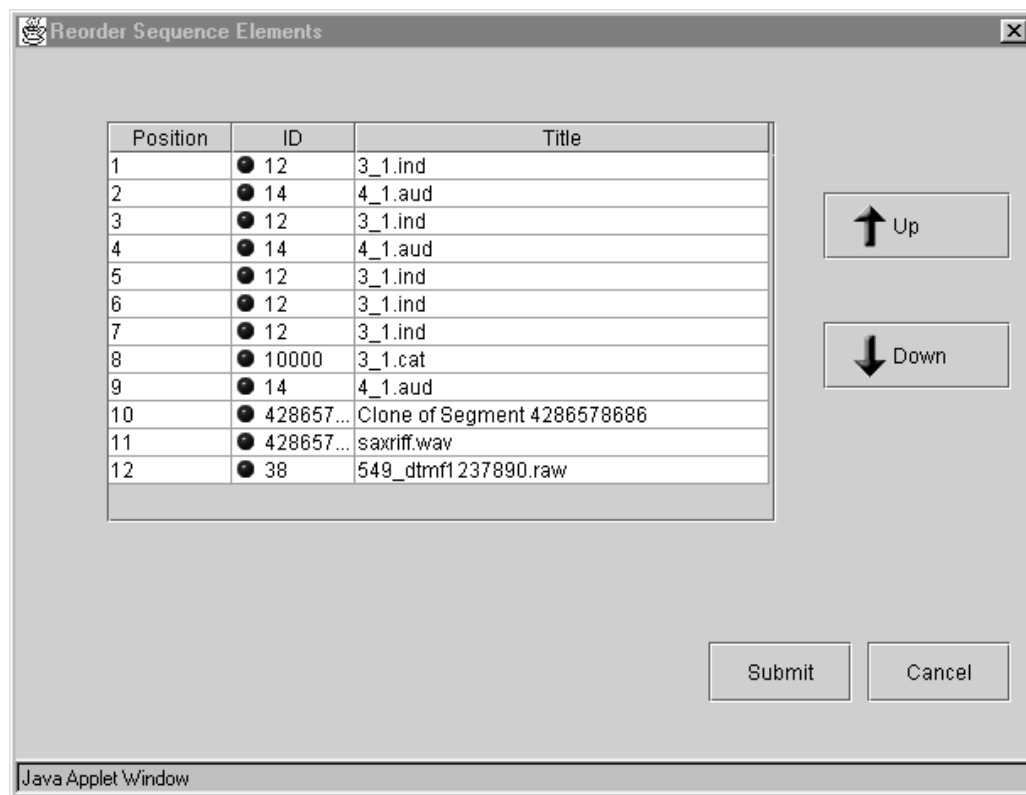
This procedure enables you to reorder the elements in an audio sequence. The order of the elements in the audio sequence determines the order in which the audio will play.

### Reordering sequence elements

#### *At the APS Audio Management Tool screen*

- 1 Expand the Audio Sequences folder in the Audio Container tree.  
*The Audio Container tree is populated with the audio sequences in the database.*
- 2 Select an audio sequence in the Audio Container tree.  
*The Contents table is populated with the elements in the selected audio sequence.*
- 3 Click the Reorder Sequence Elements button on the menu tool bar.  
*The Reorder Sequence Elements window opens.*

### Reorder Sequence Elements window



- 4 Select an element that you would like to reorder in the audio sequence.
- 5 Click the Up or Down button until you are satisfied with the position of the element.

---

| If                             | Do                     |
|--------------------------------|------------------------|
| you want to submit the changes | step <a href="#">6</a> |
| you want to cancel the changes | step <a href="#">7</a> |

---

- 6 Click Submit. Go to step [8](#).
- 7 Click Cancel.
- 8 You have completed this procedure.

## Editing audio sequences

### Editing audio sequences

#### At the **APS Audio Management Tool** screen

- 1 Select the Audio Sequences folder in the Audio Container tree.  
*The Contents table is populated with the audio sequences in the APS database.*
- 2 Select an audio sequence in the Contents table you want to edit.
- 3 Click the Edit button on the menu tool bar.  
*The Audio Sequence Properties window opens.*
- 4 Change the information in any of the following fields:
  - Alias
  - Title
  - Description

| If                               | Do                     |
|----------------------------------|------------------------|
| you want to cancel               | step <a href="#">5</a> |
| you want to submit the operation | step <a href="#">6</a> |

- 5 Click Cancel. Go to step [7](#).

- 6 Click Submit.

| If                                         | Do                                                                  |
|--------------------------------------------|---------------------------------------------------------------------|
| you entered an invalid or non-unique alias | Procedure <a href="#">Correcting an invalid or non-unique alias</a> |
| the operation was successful               | step <a href="#">7</a>                                              |

- 7 You have completed this procedure.

## Cloning an audio sequence

This procedure enables you to clone an audio sequence to create a new sequence identical to the cloned sequence, except for the ID and alias.

### Cloning an audio sequence

#### ***At the APS Audio Management Tool screen***

- 1 Select the Audio Sequences folder in the Audio Container tree.  
*The Contents table is populated with a list of audio sequences.*
- 2 Select an audio sequence in the Contents table.
- 3 Click the Clone button on the menu tool bar.  
*The Clone Provisionable Entity window opens.*
- 4 Enter segment ID and alias information for the cloned audio sequence.

| If                               | Do                     |
|----------------------------------|------------------------|
| you want to cancel               | step <a href="#">5</a> |
| you want to submit the operation | step <a href="#">6</a> |

- 5 Click Cancel. Go to step [7](#).
- 6 Click Submit.

| If                                                              | Do                                                                       |
|-----------------------------------------------------------------|--------------------------------------------------------------------------|
| you enter an invalid or non-unique alias                        | Procedure <a href="#">Correcting an invalid or non-unique alias</a>      |
| you enter an invalid or non-unique segment ID                   | Procedure <a href="#">Correcting an invalid or non-unique segment ID</a> |
| you entered both an invalid alias and an invalid segment ID     | Procedure <a href="#">Correcting invalid aliases and segment IDs</a>     |
| you entered both a non-unique alias and a non-unique segment ID | Procedure <a href="#">Correcting non-unique aliases and segment IDs</a>  |
| the operation was successful                                    | step <a href="#">7</a>                                                   |

- 7 You have completed this procedure.

## Creating audio variables

An audio variable is an audio segment whose content is not determined until runtime. The content is determined by the request the audio server receives to play a message containing the variable. This procedure enables you to create audio variables.

### Creating audio variables

#### *At the APS Audio Management Tool screen*

- 1 Select the Audio Variables folder in the Audio Container tree.
- 2 Click the New button on the menu tool bar.

*The Audio Variable Properties window opens.*

### Audio Variable Properties window

Audio Variable Properties

ID: 0  
☐ User Specified  
Alias:   
Title: Default Title  
Variable type: Time  
Sub type: 12 Hour Time  
☒ Specify variable value  
Variable Value  
Day:   
Month:   
Year:   
Weekday:   
Hour(s): 1 Minute(s): 00 ☒ AM ☐ PM  
Value:   
Originator: admin  
Origination date: May 14, 2001  
Last modified by: admin  
Last modified date: May 14, 2001  
Description: Default description  
Default language: English  
Submit Cancel  
Java Applet Window

- 3 Enter values in the appropriate fields in the window for the variable you are creating.

The possible types of audio variables that you may create are shown in the table below. Certain of these variable types, those whose content is fixed, also have predefined subtypes and values. Only variable types that have fixed content that doesn't vary have predefined subtypes and values. For example, the values (names) of the twelve months of the year are fixed and do not vary.

**Note:** Entering a variable value is optional. If you check the "Specify variable value" box, you can enter a variable value for the audio variable you are defining. If you enter a variable value, this value will take precedence over the value supplied (through translations) in the call processing message requesting that this audio variable be played. For example, if you enter "Monday" as the variable value for a "Weekday" variable type, "Monday" will be played in the language you have designated, at runtime.

#### Predefined variable types (Sheet 1 of 3)

| Variable type | Subtype | Value     |
|---------------|---------|-----------|
| Time          | 12 hour |           |
|               | 24 hour |           |
| Weekday       |         | Sunday    |
|               |         | Monday    |
|               |         | Tuesday   |
|               |         | Wednesday |
|               |         | Thursday  |
|               |         | Friday    |
|               |         | Saturday  |
| Month         |         | January   |
|               |         | February  |
|               |         | March     |
|               |         | April     |



**Predefined variable types (Sheet 2 of 3)**

| Variable type | Subtype               | Value     |
|---------------|-----------------------|-----------|
| Currency      |                       | May       |
|               |                       | June      |
|               |                       | July      |
|               |                       | August    |
|               |                       | September |
|               |                       | October   |
|               |                       | November  |
|               |                       | December  |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               | Belgian Franc         |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               | Canadian dollar       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               | Chinese yuan renminbi |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               | German mark           |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               | Spanish peseta        |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               | euro                  |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               | French franc          |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               | British pound         |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               | Hong Kong Dollar      |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               | Irish pound           |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               | Italian lire          |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               | Japanese yen          |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               | Korean won            |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               | Malayan ringgit       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               | Netherlands guilder   |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |
|               |                       |           |

**Predefined variable types (Sheet 3 of 3)**

| Variable type                                   | Subtype           | Value           |
|-------------------------------------------------|-------------------|-----------------|
| DN                                              | Philippine peso   |                 |
|                                                 | Portuguese escudo |                 |
|                                                 | Thai baht         |                 |
|                                                 | US Dollar         |                 |
|                                                 | North American DN |                 |
| Number                                          | Generic DN        |                 |
|                                                 | Cardinal          |                 |
|                                                 | Ordinal           |                 |
| Silence (not supported in the current release)  |                   |                 |
| Duration (not supported in the current release) |                   |                 |
| Date                                            |                   | Day (1–31)      |
|                                                 |                   | Month (Jan–Dec) |
|                                                 |                   | Year            |
| String                                          |                   |                 |
| Tone (not supported in the current release)     |                   |                 |
| Text (not supported in the current release)     |                   |                 |

**If****Do**

you want to cancel

step [4](#)

you want to submit the operation

step [5](#)**4** Click Cancel. Go to step [6](#).

**5** Click Submit.

| <b>If</b>                                                       | <b>Do</b>                                                                |
|-----------------------------------------------------------------|--------------------------------------------------------------------------|
| you entered an invalid or non-unique alias                      | Procedure <a href="#">Correcting an invalid or non-unique alias</a>      |
| you entered an invalid or non-unique segment ID                 | Procedure <a href="#">Correcting an invalid or non-unique segment ID</a> |
| you entered both an invalid alias and an invalid segment ID     | Procedure <a href="#">Correcting invalid aliases and segment IDs</a>     |
| you entered both a non-unique alias and a non-unique segment ID | Procedure <a href="#">Correcting non-unique aliases and segment IDs</a>  |
| the operation was successful                                    | step <a href="#">6</a>                                                   |

**6** You have completed this procedure.

## Editing audio variables

### Editing audio variables

#### ***At the APS Audio Management Tool screen***

- 1 Select the Audio Variables folder in the Audio container tree.  
*The Contents table is populated with a list of audio variables.*
- 2 Select an audio variable in the Contents table that you want to edit.
- 3 Click the Edit button on the menu tool bar.  
*The Audio Variable Properties window opens.*
- 4 You can edit the following fields:
  - Alias
  - Title
  - Variable type
  - Subtype
  - Description
  - Default language
  - Variable value

| If                             | Do                     |
|--------------------------------|------------------------|
| you want to cancel the changes | step <a href="#">5</a> |
| you want to submit the changes | step <a href="#">6</a> |

- 5 Click Cancel. Go to step [7](#).

- 6 Click Submit.

| If                                         | Do                                                                  |
|--------------------------------------------|---------------------------------------------------------------------|
| you entered an invalid or non-unique alias | Procedure <a href="#">Correcting an invalid or non-unique alias</a> |
| the operation was successful               | step <a href="#">7</a>                                              |

- 7 You have completed this procedure.

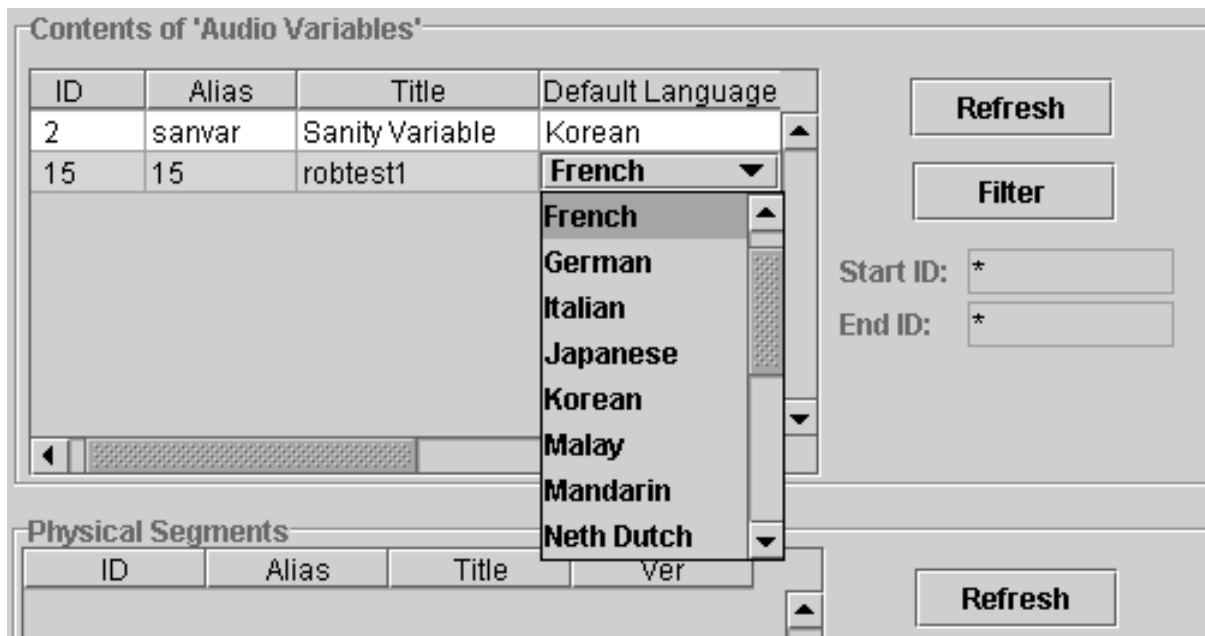
## Changing the default language

### Changing the default language

#### At the APS Audio Management Tool screen

- 1 Select the Audio Variables folder in the Audio Container tree.  
*The Contents table is populated with a list of audio variables.*
- 2 Select an audio variable in the Contents table for which the default language is to be changed.
- 3 In the Contents table, click on the Default Language entry associated with the audio variable you selected to pull down the menu of available default languages.  
*The pull-down menu containing available languages opens.*

#### Pull-down menu for Default Language



- 4 Click on a language in the menu.  
*The system changes the default language for the selected audio variable.*
- 5 You have completed this procedure.

## Changing the variable subtype

### Changing the variable subtype

#### At the APS Audio Management Tool screen

- 1 Select the Audio Variables folder in the Audio Container tree.  
*The Contents table is populated with a list of audio variables.*
- 2 Select an audio variable in the Contents table.
- 3 Use the bottom scroll bar to move to the Variable SubType column.
- 4 Click the Variable SubType cell to pull down the menu of available subtypes.  
*The pull-down menu containing available subtypes opens.*

#### Pull-down menu for Variable Subtypes

The screenshot displays the APS Audio Management Tool interface. The top section, titled 'Contents of Audio Variables', contains a table with three columns: 'Variable Type', 'Variable SubType', and 'SubType Value'. The first row shows 'Time' for both 'Variable Type' and 'Variable SubType', with a value of '6:28am'. The second row shows 'Time' for 'Variable Type' and '12 Hour Ti...' for 'Variable SubType', with a value of '1:00am'. A pull-down menu is open for the 'Variable SubType' cell, showing two options: '12 Hour Time' and '24 Hour Time'. To the right of the table are buttons for 'Refresh' and 'Filter', and input fields for 'Start ID' and 'End ID', both with asterisks. The bottom section, titled 'Physical Segments', contains a table with four columns: 'ID', 'Alias', 'Title', and 'Ver'. A 'Refresh' button is located to the right of this table.

| Variable Type | Variable SubType | SubType Value |
|---------------|------------------|---------------|
| Time          | 12 Hour Time     | 6:28am        |
| Time          | 12 Hour Ti...    | 1:00am        |

12 Hour Time  
24 Hour Time

Refresh

Filter

Start ID: \*

End ID: \*

| ID | Alias | Title | Ver |
|----|-------|-------|-----|
|----|-------|-------|-----|

Refresh

- 5 Select a subtype in the menu.  
*The system changes the subtype for the selected audio variable.*
- 6 You have completed this procedure.

## Cloning an audio variable

### Cloning an audio variable

#### At the **APS Audio Management Tool** screen

- 1 Select the Audio Variables folder in the Audio Container tree.  
*The Contents table is populated with a list of audio variables.*
- 2 Select an audio variable in the Contents table.
- 3 Click the Clone button on the menu tool bar.  
*The Clone Provisionable Entity window opens.*
- 4 If desired, enter a new alias or a new segment ID.

| If                               | Do                     |
|----------------------------------|------------------------|
| you want to cancel               | step <a href="#">5</a> |
| you want to submit the operation | step <a href="#">6</a> |

- 5 Click Cancel. Go to step [7](#).
- 6 Click Submit.

| If                                                              | Do                                                                       |
|-----------------------------------------------------------------|--------------------------------------------------------------------------|
| you entered an invalid or non-unique alias                      | Procedure <a href="#">Correcting an invalid or non-unique alias</a>      |
| you entered an invalid or non-unique segment ID                 | Procedure <a href="#">Correcting an invalid or non-unique segment ID</a> |
| you entered both an invalid alias and an invalid segment ID     | Procedure <a href="#">Correcting invalid aliases and segment IDs</a>     |
| you entered both a non-unique alias and a non-unique segment ID | Procedure <a href="#">Correcting non-unique aliases and segment IDs</a>  |
| the operation was successful                                    | step <a href="#">7</a>                                                   |

- 7 You have completed this procedure.

---

## Displaying language version folder contents

---

Language versions are containers that hold the audio needed to announce multi-language variables or other language version subfolders. The system maintains a language version tree which it uses during runtime to find the correct audio for resolving multi-language variables. For example, if the MS 2000 Series node receives a request to play a “date” type variable with a value of 20010322, it determines the component audio needed for the date (year, month, and day) and plays the date in the language set during runtime or in the provisioned default language.

An MS 2000 Series node supports the following variables in different languages: time, duration, currency, numbers, silence, character strings, directory number, weekday, month, and date.

This procedure enables you to display the contents of the Language Versions folder in the container contents list.

If the folder contains subfolders, the system displays the language version ID, selector type, selector value, default value fields, and column headers for each subfolder.

If the folder contains audio segments, the system displays the segment ID, alias, title, and version of each segment.

If the folder is empty, the system displays the column headers appropriate to the type of selected language version folder. If the user assigns “variable audio” as the selector type, the system displays column headers for segment ID, alias, title, and version. For other selector types, the system displays column headers for language version ID, selector type, selector value, and default value.

### Displaying language version folder contents

#### ***At the APS Audio Management Tool screen***

- 1 Expand the Language Versions folder in the Audio Container tree.  
*A list of language version subfolders appears in the Audio Container tree.*
- 2 Select a language version subfolder.  
*The Contents table is populated with the physical segments contained in the language version subfolder.*
- 3 You have completed this procedure.



## Creating language version folders and subfolders

This procedure enables you to create language version folders and subfolders to contain all of the audio spoken in a single language. A language version folder can contain regular audio or special subfolders that enable you to store customized audio created in different forms, such as audio spoken by a female voice, audio spoken by a male voice, or audio spoken by a special voice talent. The numbers and types of language folders and subfolders you create are determined by the capability of your network to handle audio in multiple languages.

### Creating a language version folder

#### *At the APS Audio Management Tool screen*

- 1 Select the Language Versions folder in the Audio Container tree.
- 2 Determine if you are creating a new language version folder under an existing language version folder or subfolder.

| If                                                                                    | Do                     |
|---------------------------------------------------------------------------------------|------------------------|
| you want to create a new language version folder                                      | step <a href="#">6</a> |
| you want to create a subfolder under an existing language version folder or subfolder | step <a href="#">3</a> |

- 3 Navigate (by clicking on the handle icons) through the Language Versions tree, located in the Audio Container tree, and select the folder to which you want to add a subfolder.

*A list of existing folders displays below the selected folder in the Audio Container tree.*

- a In the list, highlight the folder to which you want to add a subfolder.

*The Contents panel displays the content of the folder.*

| If                                          | Do                     |
|---------------------------------------------|------------------------|
| the folder contains physical audio segments | step <a href="#">b</a> |
| the folder is empty                         | step <a href="#">d</a> |

- b You must delete (using the Delete button on the menu tool bar) all of the segments from the folder before proceeding to the next step.

**Note:** If the segment is also included in another audio set or audio sequence, you will need to cut the segment from those containers before you can complete this deletion. For a procedure used to cut segments from other containers, see [Cutting a segment from a container](#).

- c Go to step [e](#).
- d Determine whether the New button, located on the menu tool bar, is enabled.

| If                            | Do                     |
|-------------------------------|------------------------|
| the New button is enabled     | step <a href="#">6</a> |
| the New button is not enabled | step <a href="#">e</a> |

- e Click the Edit button, located on the menu tool bar.  
*The Language Version Property Editor window opens.*

### Language Version Property Editor window.

Language Version Property Editor

ID:

Set type:

Selector value:

Is Default ☐

Java Applet Window

- f** In the Language Version Property Editor window for the subfolder, enter the following information:
- **Set type** - This field determines the content of the folder. Choose any set type other than “Variable Audio.” A language version folder or subfolder with the “Variable Audio” set type cannot contain any subfolders.
  - **Selector value** - This field defines the form of the contents of the folder relative to the set type of the parent folder. For example, if the set type of the parent folder is “Gender,” then the selector value of the subfolder would be either “Female,” “Male,” or “Neutral.”
  - **Is default** - This field enables you to designate the “default element,” or the form of the audio the system will play in the absence of specific instruction in call processing translations.

| If                               | Do                     |
|----------------------------------|------------------------|
| you want to cancel               | step <a href="#">4</a> |
| you want to submit the operation | step <a href="#">5</a> |

- 4** Click Cancel. Go to step [10](#).
- 5** Submit the changes and prepare the folder for adding a subfolder.
- Click Submit.
  - Click the handle icon located next to the Language Versions tree to close the tree display.
  - Click the handle icon located next to the Language Versions tree again, to open the tree display.
  - In the tree display, click the folder that you just finished editing.
- 6** Click the New button on the menu tool bar.
- The Language Version Property Editor window opens.*

**Language Version Property Editor window.**

**7** In the Language Version Property Editor window for the new subfolder, enter the following information:

- **Set type** - This field determines the content of the folder.

**Note:** A language version folder or subfolder with the “Variable Audio” set type cannot contain any subfolders.

- **Selector value** - This field defines the form of the contents of the folder relative to the set type of the parent folder. For example, if the set type of the parent folder is “Gender,” then the selector value of the subfolder can be either “Female,” “Male,” or “Neutral.”
- **Is default** - This field enables you to designate the “default element,” or the form of the audio the system will play in the absence of specific instruction in call processing translations.

| If                               | Do                     |
|----------------------------------|------------------------|
| you want to cancel               | step <a href="#">8</a> |
| you want to submit the operation | step <a href="#">9</a> |

- 8** Click Cancel. Go to step [10](#).
- 9** Click Submit.
- 10** You have completed this procedure.

## Editing language version properties

This procedure enables you to change the properties of a language version folder.

The system allows you to change the selector type of a folder to any of the selector types listed in the menu only if the folder does not contain subfolders or physical segments. Since selector type “language” is reserved for the implicit root node of the Language Version tree, it does not appear in the menu. In addition, the system does not display in the menu selector values already used for other children of the parent. If the purpose of the folder is to contain audio, you should assign it selector type “Variable Audio.”

If you assign the edited language folder as the default element for the parent, then the system turns off the current default for the parent.

### Editing language version properties

#### *At the APS Audio Management Tool screen*

- 1 Expand the Language Versions folder in the Audio Container tree.

*A list of language version subfolders appears in the Audio Container tree.*

- 2 Select a language version subfolder you want to edit.
- 3 Click the Edit button on the menu tool bar.

*The Language Version Property Editor window opens.*

- 4 In the Language Version Property Editor window, select the following:

- Set type
- Selector value
- Is default

| If                               | Do                     |
|----------------------------------|------------------------|
| you want to cancel               | step <a href="#">5</a> |
| you want to submit the operation | step <a href="#">6</a> |

- 5 Click Cancel. Go to step [7](#).
- 6 Click Submit.
- 7 You have completed this procedure.

---

## Adding physical segments to a language version folder

---

This procedure enables you to add one or more physical segments to a language version folder. The physical segments can be either new segments or replacements for existing segments.

**Note:** Before performing this procedure, raw audio files must be placed in the bulk import directory through FTP. For more information on importing raw audio files see [Importing physical segments](#). In addition, a language version folder, which either does or does not contain physical segments, and which has a selector type “Variable Audio” must already exist.

For the appropriate audio file names refer to the audio reference files listed in [Language Audio files](#).

### Adding physical segments to a language version folder

#### ***At the APS Audio Management Tool screen***

- 1 Select the Language Versions folder in the Audio Container tree.  
*The Contents table is populated with a list of language version subfolders.*

- 2 Select a language version subfolder that has the selector type, “Variable Audio.”

- 3 Click the Bulk Import button on the menu tool bar.  
*The Confirm Bulk Add Language Version window opens.*

**Note:** Performing a bulk import of segments to language version folder is a database-, cpu-, and network-intensive operation. Therefore, bulk import operations should be coordinated in order to minimize the impact on APS GUI users.

- 4 Click OK.  
*The Language Version Audio Properties window opens.*

## Language Version Audio Properties window

Language Version Audio Properties

Format: MUPCM mulaw physical

Originator: admin

Language:

Origination Date: May 31, 2001

Voice Talent:

Modified By: admin

Recording Date (mm/dd/yyyy):

Modification Date: May 31, 2001

☐ Keep in Cache

Description:

Release Notes:

User Defined Field 1

Field Type: Time

Field Value: 12 Hour Time

User Defined Field 2

Field Type: Time

Field Value: 12 Hour Time

Submit Cancel

Java Applet Window

- 5 Enter the following information about the physical segments:
- Description
  - Language



- Release Notes
- Format (mandatory)
- Voice Talent
- Recording Date (mandatory)
- Keep in Cache
- User Defined Field 1
- User Defined Field 2

**Note:** The system applies the information you enter to every physical segment that you add or replace in the language version folder.

| If                               | Do                     |
|----------------------------------|------------------------|
| you want to cancel               | step <a href="#">6</a> |
| you want to submit the operation | step <a href="#">7</a> |

**6** Click Cancel. Go to step [8](#).

**7** Click Submit.

*The system displays the processed segments in the Contents table.*

**8** You have completed this procedure.

---

## Deleting a language version folder

---

This procedure enables you to delete a language version folder, its subfolders, and variable audio.

**Note:** The target folder is not the default element for the parent folder unless it is the only child of the parent folder.

### Deleting a language version folder

#### *At the APS Audio Management Tool screen*

- 1 Select the Language Versions folder in the Audio Container tree.  
*The Contents table is populated with a list of language version subfolders.*
- 2 Select the language version subfolder to be deleted.
- 3 Click the Delete button on the menu tool bar.  
*The Delete Language Version Warning window opens.*

---

| If                              | Do                     |
|---------------------------------|------------------------|
| you want to cancel              | step <a href="#">4</a> |
| you want to submit the deletion | step <a href="#">5</a> |

---

- 4 Click Cancel. Go to step [6](#).
- 5 Click OK.
- 6 You have completed this procedure.

---

## Accessing a physical segment from a language version folder

---

### Accessing a physical segment from a language version folder

#### At the APS Audio Management Tool screen

- 1 Expand the Language Versions folder in the Audio Container Tree.

*A list of language version subfolders displays in the Audio Container Tree.*

- 2 In the Audio Container Tree, select the language version subfolder from which segments are to be accessed.

*The Contents table is populated with the segments in the language version subfolder.*

- 3 Select a physical segment in the Contents table.

- 4 You can perform the following operations to the physical segment:

- a Edit the physical segment. For more information, see the procedure [Editing physical segment properties](#).
- b Replace the physical segment using the Replace Audio button located on the tool bar menu.
- c Find reference to the physical segment. For more information, see the procedure [Finding references to a segment](#).
- d Copy a physical segment. For more information, see the procedures [Adding segments to an audio set](#) and [Adding segments to an audio sequence](#).
- e Clone a physical segment. For more information, see the procedure [Cloning a physical segment](#).
- f Delete the segment from the folder. For more information, see the procedure [Deleting physical segments from a language version folder](#).

- 5 You have completed this procedure.

---

## Deleting physical segments from a language version folder

---

### Deleting physical segments from a language version folder

#### ***At the APS Audio Management Tool screen***

- 1** Select the Language Versions folder in the Audio Container tree.  
*A list of language version subfolders displays in the Audio Container Tree*
- 2** Select the language version subfolder from which segments are to be deleted.
- 3** Select a physical segment in the Contents table.
- 4** Click the Delete button on the menu tool bar.  
*A confirmation dialog window opens.*
- 5** Click OK.  
*The system removes the selected physical segments from the language version subfolder and the database.*
- 6** You have completed this procedure.

## Finding provisionable entities

This procedure enables you to locate one or more IDs related to the selected provisionable entity in the database that meet the search criteria.

The search criteria fields: ID, Title, Alias, Originator, Modified By, and Description provide the option to check the Match Whole Word box. The search criteria fields: Origination Date and Modification Date provide the option to check the Exact box, Before box, or After box.

### Finding provisionable entities

#### *At the APS Audio Management Tool screen*

- 1 Click the Find Provisionable Entity button on the menu tool bar.  
*The Find window opens.*

#### Find window

The screenshot shows a Java Applet Window titled "Find". Inside the window, there is a "Search Criteria" section. Under "Provisionable Entity Types", there are five radio buttons: "Physical Segment" (selected), "Export Package", "Audio Sequence", "Audio Set", and "Audio Variable". Below this is the "Common Attributes" section, which contains six text input fields: "ID:", "Title:", "Alias:", "Originator:", "Modified By:", and "Description:". Each field has a "Match whole word" checkbox below it. At the bottom of the "Common Attributes" section, there are two date filter sections: "Origination Date:" and "Modification Date:". Each date section has three dropdown menus for "Day", "Month", and "Year", all currently set to "None". To the right of these dropdowns are three radio buttons: "Before", "After", and "Exact". The "Exact" radio button is selected for both date sections. At the bottom right of the window, there are "Submit" and "Cancel" buttons. The status bar at the bottom of the window indicates "Java Applet Window".

- 2 Click the radio button next to the provisionable entity type that you want to find in the database.
- 3 Enter any of the following information in the search criteria fields:

**Note:** If you do not enter anything in the search criteria fields, the system will find all IDs for the specified provisionable entity.

- ID
- Title
- Alias
- Originator
- Modified by
- Description
- Origination Date
- Modification Date

---

| If                             | Do                     |
|--------------------------------|------------------------|
| you want to submit the request | step <a href="#">4</a> |
| you want to cancel the request | step <a href="#">5</a> |

---

- 4 Click Submit.  
*The system displays a list of provisionable entities in the Provisionable Entity List window.*
  - a Click the Close button after you have finished reviewing the list of IDs found.
  - b Go to step [6](#).
- 5 Click Cancel.
- 6 You have completed this procedure.

## Finding references to a segment

This procedure enables you to locate all references to the specified segment in the database.

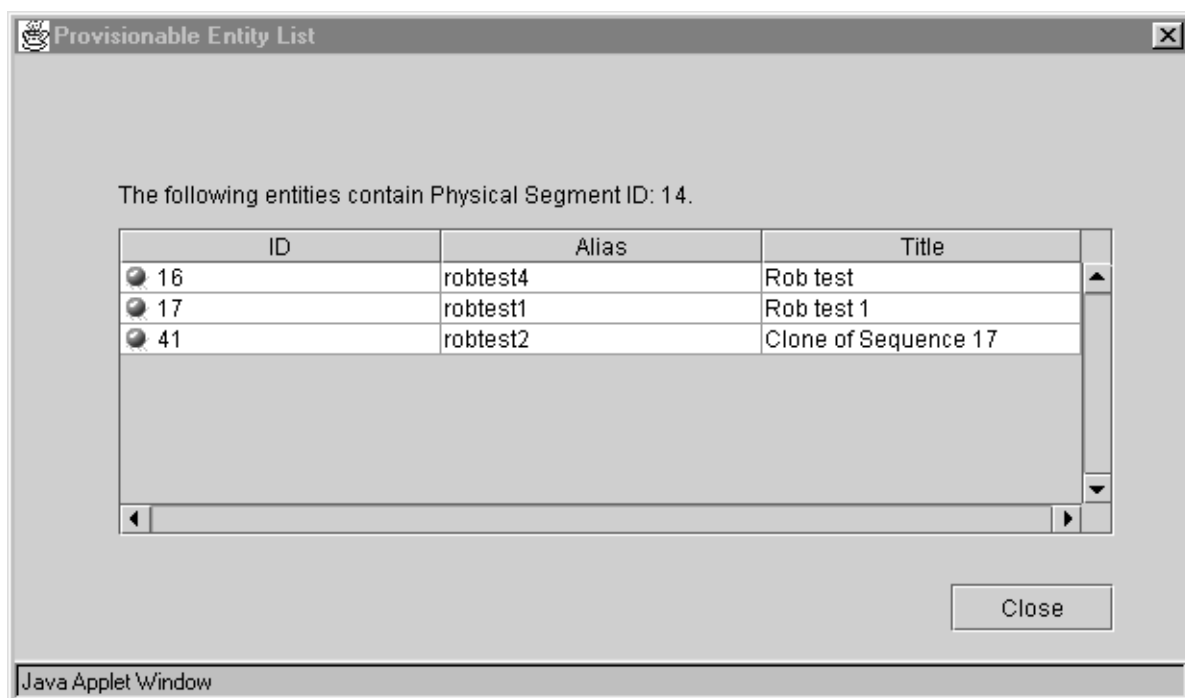
### Finding references to a segment

#### *At the APS Audio Management Tool screen*

- 1 Select a segment in the Contents table, the Audio Container tree, or the Physical Segments table.
- 2 Click the Find Reference To button on the menu tool bar.

*The Provisionable Entity List window opens, containing a list of provisionable entities that contain the segment.*

### Provisionable Entity List window



- 3 Click Close.
- 4 You have completed this procedure.

## Deleting a provisionable entity

This procedure enables you to delete a provisionable entity from the database. An item to be deleted cannot be contained in another item.

**Note 1:** When used to delete physical segments or export packages from the database, this procedure automatically removes the association between the segment or package from any program groups.

**Note 2:** The segments in a container do not have to be removed before a provisionable entity can be deleted.

### Deleting a provisionable entity

#### *At the APS Audio Management Tool screen*

- 1 Select a provisionable entity to delete in the Audio Container Tree, the Contents table, or the Physical Segments table.
- 2 Click the Delete button on the menu tool bar.

*The Delete Provisionable Entity Warning window opens.*

| If                                                       | Do                     |
|----------------------------------------------------------|------------------------|
| you want to submit the deletion                          | step <a href="#">3</a> |
| you want to cancel                                       | step <a href="#">4</a> |
| the segment is contained in another provisionable entity | step <a href="#">5</a> |

- 3 Click OK. Go to step [7](#).
- 4 Click Cancel. Go to step [7](#).
- 5 The Provisionable Entity window opens. The system informs you that the segment must be cut from the list of provisionable entities before you can delete the entity.
- 6 Click Close.
- 7 You have completed this procedure.



## Setting a container filter

### Setting a container filter

#### At the *APS Audio Management Tool* screen

- 1 Select a folder in the Audio Container tree for which you want to set a container filter.
- 2 Click the Filter button in the Contents panel.

*The Filter window opens. The Start ID and End ID default to the wildcard (\*).*

**Note:** An asterisk (\*) entered in the start ID and end ID fields indicates all IDs for the provisionable entity type. Numeric start and end IDs can be entered instead. Entering either a start ID that is greater than the end ID or an invalid value will cause an error.

### Filter window

Filter

ID Range

Start ID: \* End ID: \*

Include Versions

☒ Latest version only ☐ All versions

OK Cancel

Java Applet Window

- 3** Enter a Start ID and End ID or keep the default values.
- | <b>If</b>                                   | <b>Do</b>              |
|---------------------------------------------|------------------------|
| you want to include the latest version only | step <a href="#">4</a> |
| you want to include all versions            | step <a href="#">5</a> |
| you want to cancel                          | step <a href="#">6</a> |
- 4** Click the Latest Version Only radio button.
- a** Click OK.
  - b** Go to step [7](#).
- 5** Enter a Start ID and End ID or keep the current settings.
- a** Click the All Versions Radio button.
  - b** Click OK.
  - c** Go to step [7](#).
- 6** Click Cancel.
- 7** You have completed this procedure.

---

## Cutting a segment from a container

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This section describes how to cut a segment from a container such as a package, sequence, or set.

### Cutting a segment from a container

#### *At the APS Audio Management Tool screen*

- 1 Select the desired containers folder in the Audio Container tree.
- 2 Expand the provisionable entity in the Audio Container tree that contains the segment you wish to cut.

*The Contents table is populated with the segments contained in the provisionable entity.*

- 3 In the Contents table, select the segment you wish to cut.

**Note:** You can select more than one segment by holding down the Shift or Ctrl key on your keyboard and click with your left mouse button.

- 4 Click the Cut button on the menu tool bar.

*A Warning window opens.*

**Note:** You cannot cut the default segment from a set unless it is the last entity in the set or unless all segments in the set have been selected to be cut.

| If                                   | Do                     |
|--------------------------------------|------------------------|
| you want to submit the change        | step <a href="#">5</a> |
| you want to cancel the cut operation | step <a href="#">6</a> |

- 5 Click OK. Go to step [7](#).
- 6 Click Cancel.
- 7 You have completed this procedure.

## Correcting an invalid or non-unique alias

This procedure enables you to correct an invalid or non-unique alias when you are performing one of the Audio Management procedures.

An alias must be less than or equal to 10 characters. If the alias is a number, it must not be a valid segment ID, unless it is the segment ID of the physical segment to which the alias is being assigned. For example, if a physical segment is labeled with segment ID “52,” the alias can also be “52,” an alphabetic string like “fiftytwo,” or a numeric value that is not a valid segment ID like “9999999999.” The alias, in this instance, cannot be a valid segment ID like “47.”

### Correcting an invalid or non-unique alias

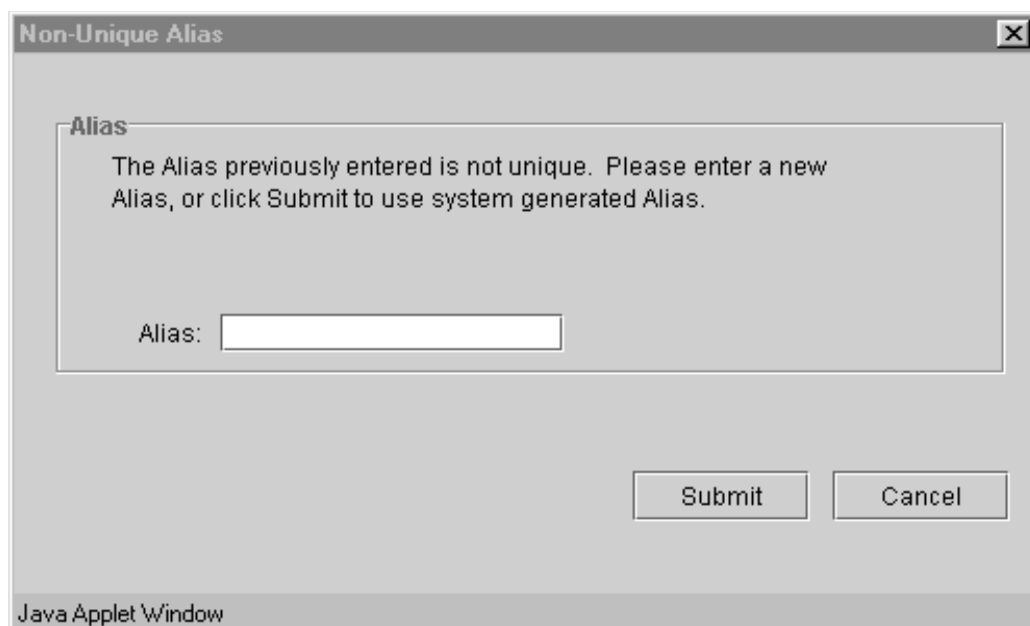
#### *At the APS Audio Management Tool screen*

- 1 Determine whether an invalid alias or a non-unique alias is to be corrected.

| If                                  | Do                     |
|-------------------------------------|------------------------|
| you have entered a non-unique alias | step <a href="#">2</a> |
| you have entered an invalid alias   | step <a href="#">3</a> |

- 2 The Non-Unique Alias window opens.

#### Non-Unique Alias window



The screenshot shows a Java Applet window titled "Non-Unique Alias". Inside the window, there is a text box with the message: "The Alias previously entered is not unique. Please enter a new Alias, or click Submit to use system generated Alias." Below this message is a text input field labeled "Alias:". At the bottom right of the window are two buttons: "Submit" and "Cancel". The window has a standard Windows-style title bar with a close button (X) in the top right corner.

Perform one of the following steps:

- a** Enter a unique alias and click Submit. Go to step [4](#).  
*The system accepts the unique alias.*
  - b** Do not enter a unique alias and click Submit. Go to step [4](#).  
*The system assigns a unique alias.*
  - c** Click Cancel. Click OK. Go to step [4](#).  
*The system cancels the operation.*
- 3** Click OK in the error dialog window.
  - a** In the editor screen where the error occurred, enter a valid alias.
  - b** Click Submit.
- 4** You have completed this procedure. Return to the step in the procedure from which this procedure was referred.

## Correcting an invalid or non-unique segment ID

This procedure enables you to correct an invalid or non-unique segment ID when you are performing one of the Audio Management procedures.

A segment ID must be less than or equal to 10 characters, a valid number, and within the range of segment IDs.

### Correcting an invalid or non-unique segment ID

#### *At the APS Audio Management Tool screen*

- 1 Determine whether an invalid segment ID or a non-unique segment ID is to be corrected.

| If                                       | Do                     |
|------------------------------------------|------------------------|
| you have entered a non-unique segment ID | step <a href="#">2</a> |
| you have entered an invalid segment ID   | step <a href="#">3</a> |

- 2 The Non-Unique Segment ID window opens.

#### Non-Unique Segment ID window

Non-Unique Segment ID

Segment ID

The Segment ID previously entered is not unique. Please select User Specified ID and enter an ID, or click Submit to obtain a system generated ID.

☐ User Specified ID      Segment ID:

Submit      Cancel

Java Applet Window

Perform one of the following steps:

- a** Enter a unique segment ID and click Submit. Go to step [4](#).  
*The system accepts the unique segment ID.*
  - b** Do not enter a unique segment ID and click Submit. Go to step [4](#).  
*The system assigns a unique segment ID.*
  - c** Click Cancel. Click OK. Go to step [4](#).  
*The system cancels the operation.*
- 3** Click OK in the error dialog window.
  - a** In the editor screen where the error occurred, enter a valid segment ID.
  - b** Click Submit.
- 4** You have completed this procedure. Return to the step in the procedure from which this procedure was referred.

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## Correcting invalid aliases and segment IDs

---

This procedure enables you to correct both invalid aliases and invalid segment IDs at one time, when both elements are determined to be in error while one of the Audio Management procedures is being performed.

An alias must be less than or equal to 10 characters. If the alias is a number, it must not be a valid segment ID, excluding the assigned segment ID for a new physical segment.

A segment ID must be less than or equal to 10 characters, a valid number, and within the range of segment IDs.

### Correcting invalid aliases and segment IDs

#### ***At the APS Audio Management Tool screen***

- 1 With the Invalid Segment ID window open, click OK.  
*The Invalid Alias window opens.*
- 2 Enter a valid segment ID and a valid alias in the property editor screen where the error occurred.
- 3 Click OK.
- 4 Click Submit.
- 5 You have completed this procedure. Return to the step in the procedure from which this procedure was referred.



---

## Correcting non-unique aliases and segment IDs

---

This section enables you to correct both non-unique aliases and non-unique segment IDs at one time, when both elements are determined to be in error while one of the Audio Management procedures is being performed.

An alias must be less than or equal to 10 characters. If the alias is a number, it must not be a valid segment ID, excluding the assigned segment ID for a new physical segment.

A segment ID must be less than or equal to 10 characters, a valid number, and within the range of segment IDs.

### Correcting non-unique aliases and segment IDs

#### *At the APS Audio Management Tool screen*

- 1 The Non-Unique Segment ID and Alias window opens.

**Non-Unique Segment ID and Alias window**

**Non-Unique Segment ID and Alias**

**Segment ID**

The Segment ID previously entered is not unique. Please click on User Specified ID and enter an ID, or click Submit to obtain a system generated ID.

☐ User specified ID      Segment ID:

**Alias**

The Alias previously entered is not unique. Please enter a new Alias, or click Submit to use a system generated Alias.

Alias:

Java Applet Window

Perform the following steps:

- a** Enter a unique segment ID.
  - b** Enter a unique alias.
  - c** Click Submit.
- 2** You have completed this procedure. Return to the step in the procedure from which this procedure was referred.

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## Basque audio files

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**Note 1:** Only record audio file names eus732–eus838 if the user provisions audio files for ordinal numbers.

**Note 2:** Only record audio file names eus1416–eus1482 if the user provisions audio files for this currency.

**Note 3:** Only record the audio file names eus932–eus996 if the user provisions audio files for these words.

**Note 4:** Only record audio file names eus1668–eus1714 if the user provisions audio files for these words. Default multilanguage functionality for months uses the indeterminate form. The date functionality uses the month form. All other forms are optional and must be requested through audio provisioning.

**Note 5:** Only record audio file names eus1716–eus1742 if the user provisions audio for these words. Default multilanguage functionality for the days uses the indeterminate form. All other forms are optional and must be requested through audio provisioning.

**Note 6:** Audio file names eus952–eus958 are only used when the by, at, or from suffixes are specified with the time functionality. Time in its base form uses the determinate or non-determinate article form of hour.

**Note 7:** Only record audio file names eus0–eus502 if the user provisions audio for these words. If these words are not used, do not record these forms of numbers. Some of the numbers are used with the time functionality and would be required if the appropriate suffix is specified for time (see Note 8).

**Note 8:** Audio file names eus3000–eus3942 are required for time functionality (hours use the plural form of number) when using designated suffixes from the table.

**Note 9:** Use audio file names eus508–eus610 for the multilanguage functionality. Recording of this audio is optional and the content of the

recording can be any word. This audio is only required when the strings functionality is used.

### Basque audio (Sheet 1 of 64)

| Basque phrase or English equivalent | English | Phrase intonation | File name |
|-------------------------------------|---------|-------------------|-----------|
| zero                                | zero    | flat              | eus0      |
|                                     |         | rising            | eus1      |
|                                     |         | falling           | eus2      |
| bat                                 | one     | flat              | eus8      |
|                                     |         | rising            | eus9      |
|                                     |         | falling           | eus10     |
| bi                                  | two     | flat              | eus12     |
|                                     |         | rising            | eus13     |
|                                     |         | falling           | eus14     |
| hiru                                | three   | flat              | eus16     |
|                                     |         | rising            | eus17     |
|                                     |         | falling           | eus18     |
| lau                                 | four    | flat              | eus20     |
|                                     |         | rising            | eus21     |
|                                     |         | falling           | eus22     |
| bost                                | five    | flat              | eus24     |
|                                     |         | rising            | eus25     |
|                                     |         | falling           | eus26     |
| sei                                 | six     | flat              | eus28     |
|                                     |         | rising            | eus29     |
|                                     |         | falling           | eus30     |
| zazpi                               | seven   | flat              | eus32     |
|                                     |         | rising            | eus33     |
|                                     |         | falling           | eus34     |

**Basque audio (Sheet 2 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| zortzi                                     | eight          | flat                     | eus36            |
|                                            |                | rising                   | eus37            |
|                                            |                | falling                  | eus38            |
| bederatzi                                  | nine           | flat                     | eus40            |
|                                            |                | rising                   | eus41            |
|                                            |                | falling                  | eus42            |
| hamar                                      | ten            | flat                     | eus56            |
|                                            |                | rising                   | eus57            |
|                                            |                | falling                  | eus58            |
| hamaika                                    | eleven         | flat                     | eus60            |
|                                            |                | rising                   | eus61            |
|                                            |                | falling                  | eus62            |
| hamabi                                     | twelve         | flat                     | eus64            |
|                                            |                | rising                   | eus65            |
|                                            |                | falling                  | eus66            |
| hamahiru                                   | thirteen       | flat                     | eus68            |
|                                            |                | rising                   | eus69            |
|                                            |                | falling                  | eus70            |
| hamalau                                    | fourteen       | flat                     | eus72            |
|                                            |                | rising                   | eus73            |
|                                            |                | falling                  | eus74            |
| hamabost                                   | fifteen        | flat                     | eus76            |
|                                            |                | rising                   | eus77            |
|                                            |                | falling                  | eus78            |
| hamasei                                    | sixteen        | flat                     | eus80            |
|                                            |                | rising                   | eus81            |
|                                            |                | falling                  | eus82            |

**Basque audio (Sheet 3 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| hamazazpi                                  | seventeen      | flat                     | eus84            |
|                                            |                | rising                   | eus85            |
|                                            |                | falling                  | eus86            |
| hemezortzi                                 | eighteen       | flat                     | eus88            |
|                                            |                | rising                   | eus89            |
|                                            |                | falling                  | eus90            |
| hemeretzi                                  | nineteen       | flat                     | eus92            |
|                                            |                | rising                   | eus93            |
|                                            |                | falling                  | eus94            |
| hogei                                      | twenty         | flat                     | eus96            |
|                                            |                | rising                   | eus97            |
|                                            |                | falling                  | eus98            |
| berrogei                                   | forty          | flat                     | eus104           |
|                                            |                | rising                   | eus105           |
|                                            |                | falling                  | eus106           |
| hirurogei                                  | sixty          | flat                     | eus112           |
|                                            |                | rising                   | eus113           |
|                                            |                | falling                  | eus114           |
| laurogei                                   | eighty         | flat                     | eus120           |
|                                            |                | rising                   | eus121           |
|                                            |                | falling                  | eus122           |
| ehun                                       | one-hundred    | flat                     | eus132           |
|                                            |                | rising                   | eus133           |
|                                            |                | falling                  | eus134           |
| berrehun                                   | two-hundred    | flat                     | eus136           |
|                                            |                | rising                   | eus137           |
|                                            |                | falling                  | eus138           |

**Basque audio (Sheet 4 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| hirurehun                                  | three-hundred  | flat                     | eus140           |
|                                            |                | rising                   | eus141           |
|                                            |                | falling                  | eus142           |
| laurehun                                   | four-hundred   | flat                     | eus144           |
|                                            |                | rising                   | eus145           |
|                                            |                | falling                  | eus146           |
| bostehun                                   | five-hundred   | flat                     | eus148           |
|                                            |                | rising                   | eus149           |
|                                            |                | falling                  | eus150           |
| seiehun                                    | six-hundred    | flat                     | eus152           |
|                                            |                | rising                   | eus153           |
|                                            |                | falling                  | eus154           |
| zazpihun                                   | seven-hundred  | flat                     | eus156           |
|                                            |                | rising                   | eus157           |
|                                            |                | falling                  | eus158           |
| zortziehun                                 | eight-hundred  | flat                     | eus160           |
|                                            |                | rising                   | eus161           |
|                                            |                | falling                  | eus162           |
| bederatziehun                              | nine-hundred   | flat                     | eus164           |
|                                            |                | rising                   | eus165           |
|                                            |                | falling                  | eus166           |
| mila                                       | one-thousand   | flat                     | eus496           |
|                                            |                | rising                   | eus497           |
|                                            |                | falling                  | eus498           |
| milioi                                     | one-million    | flat                     | eus500           |
|                                            |                | rising                   | eus501           |
|                                            |                | falling                  | eus502           |

**Basque audio (Sheet 5 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| optional                                   | a              | flat                     | eus508           |
|                                            |                | rising                   | eus509           |
|                                            |                | falling                  | eus510           |
| optional                                   | b              | flat                     | eus512           |
|                                            |                | rising                   | eus513           |
|                                            |                | falling                  | eus514           |
| optional                                   | c              | flat                     | eus516           |
|                                            |                | rising                   | eus517           |
|                                            |                | falling                  | eus518           |
| optional                                   | d              | flat                     | eus520           |
|                                            |                | rising                   | eus521           |
|                                            |                | falling                  | eus522           |
| optional                                   | e              | flat                     | eus524           |
|                                            |                | rising                   | eus525           |
|                                            |                | falling                  | eus526           |
| optional                                   | f              | flat                     | eus528           |
|                                            |                | rising                   | eus529           |
|                                            |                | falling                  | eus530           |
| optional                                   | g              | flat                     | eus532           |
|                                            |                | rising                   | eus533           |
|                                            |                | falling                  | eus534           |
| optional                                   | h              | flat                     | eus536           |
|                                            |                | rising                   | eus537           |
|                                            |                | falling                  | eus538           |
| optional                                   | i              | flat                     | eus540           |
|                                            |                | rising                   | eus541           |
|                                            |                | falling                  | eus542           |



**Basque audio (Sheet 6 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| optional                                   | j              | flat                     | eus544           |
|                                            |                | rising                   | eus545           |
|                                            |                | falling                  | eus546           |
| optional                                   | k              | flat                     | eus548           |
|                                            |                | rising                   | eus549           |
|                                            |                | falling                  | eus550           |
| optional                                   | l              | flat                     | eus552           |
|                                            |                | rising                   | eus553           |
|                                            |                | falling                  | eus554           |
| optional                                   | m              | flat                     | eus556           |
|                                            |                | rising                   | eus557           |
|                                            |                | falling                  | eus558           |
| optional                                   | n              | flat                     | eus560           |
|                                            |                | rising                   | eus561           |
|                                            |                | falling                  | eus562           |
| optional                                   | o              | flat                     | eus564           |
|                                            |                | rising                   | eus565           |
|                                            |                | falling                  | eus566           |
| optional                                   | p              | flat                     | eus568           |
|                                            |                | rising                   | eus569           |
|                                            |                | falling                  | eus570           |
| optional                                   | q              | flat                     | eus572           |
|                                            |                | rising                   | eus573           |
|                                            |                | falling                  | eus574           |
| optional                                   | r              | flat                     | eus576           |
|                                            |                | rising                   | eus577           |
|                                            |                | falling                  | eus578           |

**Basque audio (Sheet 7 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| optional                                   | s              | flat                     | eus580           |
|                                            |                | rising                   | eus581           |
|                                            |                | falling                  | eus582           |
| optional                                   | t              | flat                     | eus584           |
|                                            |                | rising                   | eus585           |
|                                            |                | falling                  | eus586           |
| optional                                   | u              | flat                     | eus588           |
|                                            |                | rising                   | eus589           |
|                                            |                | falling                  | eus590           |
| optional                                   | v              | flat                     | eus592           |
|                                            |                | rising                   | eus593           |
|                                            |                | falling                  | eus594           |
| optional                                   | w              | flat                     | eus596           |
|                                            |                | rising                   | eus597           |
|                                            |                | falling                  | eus598           |
| optional                                   | x              | flat                     | eus600           |
|                                            |                | rising                   | eus601           |
|                                            |                | falling                  | eus602           |
| optional                                   | y              | flat                     | eus604           |
|                                            |                | rising                   | eus605           |
|                                            |                | falling                  | eus606           |
| optional                                   | z              | flat                     | eus608           |
|                                            |                | rising                   | eus609           |
|                                            |                | falling                  | eus610           |
| negatiu                                    | minus          | flat                     | eus616           |
|                                            |                | rising                   | eus617           |
|                                            |                | falling                  | eus618           |

**Basque audio (Sheet 8 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b>    | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|-------------------|--------------------------|------------------|
| eta                                        | and               | flat                     | eus620           |
|                                            |                   | rising                   | eus621           |
|                                            |                   | falling                  | eus622           |
| ordu                                       | hour              | flat                     | eus624           |
|                                            |                   | rising                   | eus625           |
|                                            |                   | falling                  | eus626           |
| ordua                                      | hour (w/ article) | flat                     | eus628           |
|                                            |                   | rising                   | eus629           |
|                                            |                   | falling                  | eus630           |
| minutu                                     | minute            | flat                     | eus632           |
|                                            |                   | rising                   | eus633           |
|                                            |                   | falling                  | eus634           |
| segundo                                    | second            | flat                     | eus640           |
|                                            |                   | rising                   | eus641           |
|                                            |                   | falling                  | eus642           |
| urtarril                                   | January           | flat                     | eus648           |
|                                            |                   | rising                   | eus649           |
|                                            |                   | falling                  | eus650           |
| otsail                                     | February          | flat                     | eus652           |
|                                            |                   | rising                   | eus653           |
|                                            |                   | falling                  | eus654           |
| martxo                                     | March             | flat                     | eus656           |
|                                            |                   | rising                   | eus657           |
|                                            |                   | falling                  | eus658           |
| apiril                                     | April             | flat                     | eus660           |
|                                            |                   | rising                   | eus661           |
|                                            |                   | falling                  | eus662           |

**Basque audio (Sheet 9 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| maiatz                                     | May            | flat                     | eus664           |
|                                            |                | rising                   | eus665           |
|                                            |                | falling                  | eus666           |
| ekain                                      | June           | flat                     | eus668           |
|                                            |                | rising                   | eus669           |
|                                            |                | falling                  | eus670           |
| uztail                                     | July           | flat                     | eus672           |
|                                            |                | rising                   | eus673           |
|                                            |                | falling                  | eus674           |
| abuztu                                     | August         | flat                     | eus676           |
|                                            |                | rising                   | eus677           |
|                                            |                | falling                  | eus678           |
| irail                                      | September      | flat                     | eus680           |
|                                            |                | rising                   | eus681           |
|                                            |                | falling                  | eus682           |
| urri                                       | October        | flat                     | eus684           |
|                                            |                | rising                   | eus685           |
|                                            |                | falling                  | eus686           |
| azaro                                      | November       | flat                     | eus688           |
|                                            |                | rising                   | eus689           |
|                                            |                | falling                  | eus690           |
| abendu                                     | December       | flat                     | eus692           |
|                                            |                | rising                   | eus693           |
|                                            |                | falling                  | eus694           |
| igande                                     | Sunday         | flat                     | eus696           |
|                                            |                | rising                   | eus697           |
|                                            |                | falling                  | eus698           |

**Basque audio (Sheet 10 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| astelehen                                  | Monday         | flat                     | eus700           |
|                                            |                | rising                   | eus701           |
|                                            |                | falling                  | eus702           |
| astearte                                   | Tuesday        | flat                     | eus704           |
|                                            |                | rising                   | eus705           |
|                                            |                | falling                  | eus706           |
| asteazken                                  | Wednesday      | flat                     | eus708           |
|                                            |                | rising                   | eus709           |
|                                            |                | falling                  | eus710           |
| ostegun                                    | Thursday       | flat                     | eus712           |
|                                            |                | rising                   | eus713           |
|                                            |                | falling                  | eus714           |
| ostiral                                    | Friday         | flat                     | eus716           |
|                                            |                | rising                   | eus717           |
|                                            |                | falling                  | eus718           |
| larunbat                                   | Saturday       | flat                     | eus720           |
|                                            |                | rising                   | eus721           |
|                                            |                | falling                  | eus722           |
| leheneng                                   | first          | flat                     | eus728           |
|                                            |                | rising                   | eus729           |
|                                            |                | falling                  | eus730           |
| bigarren                                   | second         | flat                     | eus732           |
|                                            |                | rising                   | eus733           |
|                                            |                | falling                  | eus734           |
| hirugarren                                 | third          | flat                     | eus736           |
|                                            |                | rising                   | eus737           |
|                                            |                | falling                  | eus738           |

**Basque audio (Sheet 11 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| laugarren                                  | fourth         | flat                     | eus740           |
|                                            |                | rising                   | eus741           |
|                                            |                | falling                  | eus742           |
| bosgarren                                  | fifth          | flat                     | eus744           |
|                                            |                | rising                   | eus745           |
|                                            |                | falling                  | eus746           |
| seigarren                                  | sixth          | flat                     | eus748           |
|                                            |                | rising                   | eus749           |
|                                            |                | falling                  | eus750           |
| zazpigarren                                | seventh        | flat                     | eus752           |
|                                            |                | rising                   | eus753           |
|                                            |                | falling                  | eus754           |
| zortzigarren                               | eighth         | flat                     | eus756           |
|                                            |                | rising                   | eus757           |
|                                            |                | falling                  | eus758           |
| bederatzigarren                            | ninth          | flat                     | eus760           |
|                                            |                | rising                   | eus761           |
|                                            |                | falling                  | eus762           |
| hamargarren                                | tenth          | flat                     | eus764           |
|                                            |                | rising                   | eus765           |
|                                            |                | falling                  | eus766           |
| hamaikagarren                              | eleventh       | flat                     | eus768           |
|                                            |                | rising                   | eus769           |
|                                            |                | falling                  | eus770           |
| hamabigarren                               | twelfth        | flat                     | eus772           |
|                                            |                | rising                   | eus773           |
|                                            |                | falling                  | eus774           |

**Basque audio (Sheet 12 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| hamahirugarren                             | thirteenth     | flat                     | eus776           |
|                                            |                | rising                   | eus777           |
|                                            |                | falling                  | eus778           |
| hamalau garren                             | fourteenth     | flat                     | eus780           |
|                                            |                | rising                   | eus781           |
|                                            |                | falling                  | eus782           |
| hamabos garren                             | fifteenth      | flat                     | eus784           |
|                                            |                | rising                   | eus785           |
|                                            |                | falling                  | eus786           |
| hamasei garren                             | sixteenth      | flat                     | eus788           |
|                                            |                | rising                   | eus789           |
|                                            |                | falling                  | eus790           |
| hamazazpi garren                           | seventeenth    | flat                     | eus792           |
|                                            |                | rising                   | eus793           |
|                                            |                | falling                  | eus794           |
| hemezortzi garren                          | eighteenth     | flat                     | eus796           |
|                                            |                | rising                   | eus797           |
|                                            |                | falling                  | eus798           |
| hemeretzi garren                           | nineteenth     | flat                     | eus800           |
|                                            |                | rising                   | eus801           |
|                                            |                | falling                  | eus802           |
| hogeigarre                                 | twentieth      | flat                     | eus804           |
|                                            |                | rising                   | eus805           |
|                                            |                | falling                  | eus806           |
| berrogei garren                            | fortieth       | flat                     | eus812           |
|                                            |                | rising                   | eus813           |
|                                            |                | falling                  | eus814           |

**Basque audio (Sheet 13 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b>       | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------------|--------------------------|------------------|
| hirurogeigarren                            | sixtieth             | flat                     | eus820           |
|                                            |                      | rising                   | eus821           |
|                                            |                      | falling                  | eus822           |
| laurogeigarren                             | eightieth            | flat                     | eus828           |
|                                            |                      | rising                   | eus829           |
|                                            |                      | falling                  | eus830           |
| ehungarren                                 | one-hundredth        | flat                     | eus836           |
|                                            |                      | rising                   | eus837           |
|                                            |                      | falling                  | eus838           |
| laukitxo                                   | pound sign<br>(#)    | flat                     | eus896           |
|                                            |                      | rising                   | eus897           |
|                                            |                      | falling                  | eus898           |
| izartxo                                    | asterisk<br>(*)      | flat                     | eus900           |
|                                            |                      | rising                   | eus901           |
|                                            |                      | falling                  | eus902           |
| dollar                                     | dollar<br>(US)       | flat                     | eus1200          |
|                                            |                      | rising                   | eus1201          |
|                                            |                      | falling                  | eus1202          |
| cent                                       | cent<br>(US)         | flat                     | eus1208          |
|                                            |                      | rising                   | eus1209          |
|                                            |                      | falling                  | eus1210          |
| mark                                       | mark<br>(Germany)    | flat                     | eus1216          |
|                                            |                      | rising                   | eus1217          |
|                                            |                      | falling                  | eus1218          |
| pfennig                                    | pfennig<br>(Germany) | flat                     | eus1224          |
|                                            |                      | rising                   | eus1225          |
|                                            |                      | falling                  | eus1226          |



**Basque audio (Sheet 14 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b>           | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|--------------------------|--------------------------|------------------|
| yen                                        | yen<br>(Japan)           | flat                     | eus1232          |
|                                            |                          | rising                   | eus1233          |
|                                            |                          | falling                  | eus1234          |
| lira                                       | lira<br>(Italy)          | flat                     | eus1240          |
|                                            |                          | rising                   | eus1241          |
|                                            |                          | falling                  | eus1242          |
| guilder                                    | guilder<br>(Netherlands) | flat                     | eus1248          |
|                                            |                          | rising                   | eus1249          |
|                                            |                          | falling                  | eus1250          |
| cent                                       | cent<br>(Netherlands)    | flat                     | eus1256          |
|                                            |                          | rising                   | eus1257          |
|                                            |                          | falling                  | eus1258          |
| pound                                      | pound<br>(UK)            | flat                     | eus1264          |
|                                            |                          | rising                   | eus1265          |
|                                            |                          | falling                  | eus1266          |
| penny                                      | penny<br>(UK)            | flat                     | eus1272          |
|                                            |                          | rising                   | eus1273          |
|                                            |                          | falling                  | eus1274          |
| euro                                       | euro<br>(Euro)           | flat                     | eus1280          |
|                                            |                          | rising                   | eus1281          |
|                                            |                          | falling                  | eus1282          |
| eurocent                                   | eurocent<br>(Euro)       | flat                     | eus1288          |
|                                            |                          | rising                   | eus1289          |
|                                            |                          | falling                  | eus1290          |
| franc                                      | franc<br>(France)        | flat                     | eus1296          |
|                                            |                          | rising                   | eus1297          |
|                                            |                          | falling                  | eus1298          |

**Basque audio (Sheet 15 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b>           | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|--------------------------|--------------------------|------------------|
| centime                                    | centime<br>(France)      | flat                     | eus1304          |
|                                            |                          | rising                   | eus1305          |
|                                            |                          | falling                  | eus1306          |
| peseta                                     | peseta<br>(Spain)        | flat                     | eus1312          |
|                                            |                          | rising                   | eus1313          |
|                                            |                          | falling                  | eus1314          |
| peso                                       | peso<br>(Philippines)    | flat                     | eus1328          |
|                                            |                          | rising                   | eus1329          |
|                                            |                          | falling                  | eus1330          |
| centavo                                    | centavo<br>(Philippines) | flat                     | eus1336          |
|                                            |                          | rising                   | eus1337          |
|                                            |                          | falling                  | eus1338          |
| ringgit                                    | ringgit<br>(Malaysia)    | flat                     | eus1344          |
|                                            |                          | rising                   | eus1345          |
|                                            |                          | falling                  | eus1346          |
| sen                                        | sen<br>(Malaysia)        | flat                     | eus1352          |
|                                            |                          | rising                   | eus1353          |
|                                            |                          | falling                  | eus1354          |
| baht                                       | baht<br>(Thailand)       | flat                     | eus1360          |
|                                            |                          | rising                   | eus1361          |
|                                            |                          | falling                  | eus1362          |
| satang                                     | satang<br>(Thailand)     | flat                     | eus1368          |
|                                            |                          | rising                   | eus1369          |
|                                            |                          | falling                  | eus1370          |
| won                                        | won<br>(Korea)           | flat                     | eus1376          |
|                                            |                          | rising                   | eus1377          |
|                                            |                          | falling                  | eus1378          |

**Basque audio (Sheet 16 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|-----------------------|--------------------------|------------------|
| franc                                      | franc<br>(Belgium)    | flat                     | eus1384          |
|                                            |                       | rising                   | eus1385          |
|                                            |                       | falling                  | eus1386          |
| centime                                    | centime<br>(Belgium)  | flat                     | eus1392          |
|                                            |                       | rising                   | eus1393          |
|                                            |                       | falling                  | eus1394          |
| dollar                                     | dollar<br>(Canada)    | flat                     | eus1400          |
|                                            |                       | rising                   | eus1401          |
|                                            |                       | falling                  | eus1402          |
| cent                                       | cent<br>(Canada)      | flat                     | eus1408          |
|                                            |                       | rising                   | eus1409          |
|                                            |                       | falling                  | eus1410          |
| dollar                                     | dollar<br>(Hong Kong) | flat                     | eus1416          |
|                                            |                       | rising                   | eus1417          |
|                                            |                       | falling                  | eus1418          |
| cent                                       | cent<br>(Hong Kong)   | flat                     | eus1424          |
|                                            |                       | rising                   | eus1425          |
|                                            |                       | falling                  | eus1426          |
| gok                                        | gok<br>(Hong Kong)    | flat                     | eus1488          |
|                                            |                       | rising                   | eus1489          |
|                                            |                       | falling                  | eus1490          |
| escudo                                     | escudo<br>(Portugal)  | flat                     | eus1432          |
|                                            |                       | rising                   | eus1433          |
|                                            |                       | falling                  | eus1434          |
| centavo                                    | centavo<br>(Portugal) | flat                     | eus1440          |
|                                            |                       | rising                   | eus1441          |
|                                            |                       | falling                  | eus1442          |

**Basque audio (Sheet 17 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b>                                            | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|-----------------------------------------------------------|--------------------------|------------------|
| yuan                                       | yuan<br>(China)                                           | flat                     | eus1448          |
|                                            |                                                           | rising                   | eus1449          |
|                                            |                                                           | falling                  | eus1450          |
| jiao                                       | jiao<br>(China)                                           | flat                     | eus1456          |
|                                            |                                                           | rising                   | eus1457          |
|                                            |                                                           | falling                  | eus1458          |
| fen                                        | fen<br>(China)                                            | flat                     | eus1464          |
|                                            |                                                           | rising                   | eus1465          |
|                                            |                                                           | falling                  | eus1466          |
| pound                                      | pound<br>(Ireland)                                        | flat                     | eus1472          |
|                                            |                                                           | rising                   | eus1473          |
|                                            |                                                           | falling                  | eus1474          |
| penny                                      | penny<br>(Ireland)                                        | flat                     | eus1480          |
|                                            |                                                           | rising                   | eus1481          |
|                                            |                                                           | falling                  | eus1482          |
| hogeita                                    | twenty-and<br>(as in 21, 22, 23, ...,<br>31, 32, 33, ...) | flat                     | eus916           |
|                                            |                                                           | rising                   | eus917           |
|                                            |                                                           | falling                  | eus918           |
| berrogeita                                 | forty-and<br>(as in 41, 42 43, ..., 51, 52,<br>53, ...)   | flat                     | eus920           |
|                                            |                                                           | rising                   | eus921           |
|                                            |                                                           | falling                  | eus922           |
| hirurogeita                                | sixty-and<br>(as in 61, 62, 63, ...,<br>71, 72, 73, ...)  | flat                     | eus924           |
|                                            |                                                           | rising                   | eus925           |
|                                            |                                                           | falling                  | eus926           |
| laurogeita                                 | eighty-and<br>(as in 81, 82, 83, ...,<br>91, 92, 93, ...) | flat                     | eus928           |
|                                            |                                                           | rising                   | eus929           |
|                                            |                                                           | falling                  | eus930           |

**Basque audio (Sheet 18 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| bitartean                                  | between        | flat                     | eus932           |
|                                            |                | rising                   | eus933           |
|                                            |                | falling                  | eus934           |
| aurrera                                    | after          | flat                     | eus936           |
|                                            |                | rising                   | eus937           |
|                                            |                | falling                  | eus938           |
| baino lehen                                | before         | flat                     | eus940           |
|                                            |                | rising                   | eus941           |
|                                            |                | falling                  | eus942           |
| arte                                       | to             | flat                     | eus944           |
|                                            |                | rising                   | eus945           |
|                                            |                | falling                  | eus946           |
| hour w/ by suffix                          | hour(by)       | flat                     | eus948           |
|                                            |                | rising                   | eus949           |
|                                            |                | falling                  | eus950           |
| hour w/ from suffix                        | hour(from)     | flat                     | eus952           |
|                                            |                | rising                   | eus953           |
|                                            |                | falling                  | eus954           |
| hour w/ at suffix                          | hour(at)       | flat                     | eus956           |
|                                            |                | rising                   | eus957           |
|                                            |                | falling                  | eus958           |
| second(for)                                | for second     | flat                     | eus960           |
|                                            |                | rising                   | eus961           |
|                                            |                | falling                  | eus962           |
| second(in)                                 | in second      | flat                     | eus964           |
|                                            |                | rising                   | eus965           |
|                                            |                | falling                  | eus966           |

**Basque audio (Sheet 19 of 64)**

| Basque phrase or English equivalent | English             | Phrase intonation | File name |
|-------------------------------------|---------------------|-------------------|-----------|
| 1(for)                              | for 1               | flat              | eus968    |
|                                     |                     | rising            | eus969    |
|                                     |                     | falling           | eus970    |
|                                     | Determinate article |                   |           |
| 0a                                  | the 0               | flat              | eus1500   |
|                                     |                     | rising            | eus1501   |
|                                     |                     | falling           | eus1502   |
| 1a                                  | the 1               | flat              | eus1508   |
|                                     |                     | rising            | eus1509   |
|                                     |                     | falling           | eus1510   |
| 2a                                  | the 2               | flat              | eus1512   |
|                                     |                     | rising            | eus1513   |
|                                     |                     | falling           | eus1514   |
| 3a                                  | the 3               | flat              | eus1516   |
|                                     |                     | rising            | eus1517   |
|                                     |                     | falling           | eus1518   |
| 4a                                  | the 4               | flat              | eus1520   |
|                                     |                     | rising            | eus1521   |
|                                     |                     | falling           | eus1522   |
| 5a                                  | the 5               | flat              | eus1524   |
|                                     |                     | rising            | eus1525   |
|                                     |                     | falling           | eus1526   |
| 6a                                  | the 6               | flat              | eus1528   |
|                                     |                     | rising            | eus1529   |
|                                     |                     | falling           | eus1530   |

**Basque audio (Sheet 20 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| 7a                                         | the 7          | flat                     | eus1532          |
|                                            |                | rising                   | eus1533          |
|                                            |                | falling                  | eus1534          |
| 8a                                         | the 8          | flat                     | eus1536          |
|                                            |                | rising                   | eus1537          |
|                                            |                | falling                  | eus1538          |
| 9a                                         | the 9          | flat                     | eus1540          |
|                                            |                | rising                   | eus1541          |
|                                            |                | falling                  | eus1542          |
| 10a                                        | the 10         | flat                     | eus1556          |
|                                            |                | rising                   | eus1557          |
|                                            |                | falling                  | eus1558          |
| 11a                                        | the 11         | flat                     | eus1560          |
|                                            |                | rising                   | eus1561          |
|                                            |                | falling                  | eus1562          |
| 12a                                        | the 12         | flat                     | eus1564          |
|                                            |                | rising                   | eus1565          |
|                                            |                | falling                  | eus1566          |
| 13a                                        | the 13         | flat                     | eus1568          |
|                                            |                | rising                   | eus1569          |
|                                            |                | falling                  | eus1570          |
| 14a                                        | the 14         | flat                     | eus1572          |
|                                            |                | rising                   | eus1573          |
|                                            |                | falling                  | eus1574          |
| 15a                                        | the 15         | flat                     | eus1576          |
|                                            |                | rising                   | eus1577          |
|                                            |                | falling                  | eus1578          |

**Basque audio (Sheet 21 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| 16a                                        | the 16         | flat                     | eus1580          |
|                                            |                | rising                   | eus1581          |
|                                            |                | falling                  | eus1582          |
| 17a                                        | the 17         | flat                     | eus1584          |
|                                            |                | rising                   | eus1585          |
|                                            |                | falling                  | eus1586          |
| 18a                                        | the 18         | flat                     | eus1588          |
|                                            |                | rising                   | eus1589          |
|                                            |                | falling                  | eus1590          |
| 19a                                        | the 19         | flat                     | eus1592          |
|                                            |                | rising                   | eus1593          |
|                                            |                | falling                  | eus1594          |
| 20a                                        | the 20         | flat                     | eus1596          |
|                                            |                | rising                   | eus1597          |
|                                            |                | falling                  | eus1598          |
| 40a                                        | the 40         | flat                     | eus1604          |
|                                            |                | rising                   | eus1605          |
|                                            |                | falling                  | eus1606          |
| 60a                                        | the 60         | flat                     | eus1612          |
|                                            |                | rising                   | eus1613          |
|                                            |                | falling                  | eus1614          |
| 80a                                        | the 80         | flat                     | eus1620          |
|                                            |                | rising                   | eus1621          |
|                                            |                | falling                  | eus1622          |
| 100a                                       | the 100        | flat                     | eus1632          |
|                                            |                | rising                   | eus1633          |
|                                            |                | falling                  | eus1634          |



**Basque audio (Sheet 22 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| 200a                                       | the 200        | flat                     | eus1636          |
|                                            |                | rising                   | eus1637          |
|                                            |                | falling                  | eus1638          |
| 300a                                       | the 300        | flat                     | eus1640          |
|                                            |                | rising                   | eus1641          |
|                                            |                | falling                  | eus1642          |
| 400a                                       | the 400        | flat                     | eus1644          |
|                                            |                | rising                   | eus1645          |
|                                            |                | falling                  | eus1646          |
| 500a                                       | the 500        | flat                     | eus1648          |
|                                            |                | rising                   | eus1649          |
|                                            |                | falling                  | eus1650          |
| 600a                                       | the 600        | flat                     | eus1652          |
|                                            |                | rising                   | eus1653          |
|                                            |                | falling                  | eus1654          |
| 700a                                       | the 700        | flat                     | eus1656          |
|                                            |                | rising                   | eus1657          |
|                                            |                | falling                  | eus1658          |
| 800a                                       | the 800        | flat                     | eus1660          |
|                                            |                | rising                   | eus1661          |
|                                            |                | falling                  | eus1662          |
| 900a                                       | the 900        | flat                     | eus1664          |
|                                            |                | rising                   | eus1665          |
|                                            |                | falling                  | eus1666          |
| thousand(a)                                | the thousand   | flat                     | eus1504          |
|                                            |                | rising                   | eus1505          |
|                                            |                | falling                  | eus1506          |

**Basque audio (Sheet 23 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| million(a)                                 | the million    | flat                     | eus1744          |
|                                            |                | rising                   | eus1745          |
|                                            |                | falling                  | eus1746          |
| January(a)                                 | the January    | flat                     | eus1668          |
|                                            |                | rising                   | eus1669          |
|                                            |                | falling                  | eus1670          |
| February(a)                                | the February   | flat                     | eus1672          |
|                                            |                | rising                   | eus1673          |
|                                            |                | falling                  | eus1674          |
| March(a)                                   | the March      | flat                     | eus1676          |
|                                            |                | rising                   | eus1677          |
|                                            |                | falling                  | eus1678          |
| April(a)                                   | the April      | flat                     | eus1680          |
|                                            |                | rising                   | eus1681          |
|                                            |                | falling                  | eus1682          |
| May(a)                                     | the May        | flat                     | eus1684          |
|                                            |                | rising                   | eus1685          |
|                                            |                | falling                  | eus1686          |
| June(a)                                    | the June       | flat                     | eus1688          |
|                                            |                | rising                   | eus1689          |
|                                            |                | falling                  | eus1690          |
| July(a)                                    | the July       | flat                     | eus1692          |
|                                            |                | rising                   | eus1693          |
|                                            |                | falling                  | eus1694          |
| August(a)                                  | the August     | flat                     | eus1696          |
|                                            |                | rising                   | eus1697          |
|                                            |                | falling                  | eus1698          |

**Basque audio (Sheet 24 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| September(a)                               | the September  | flat                     | eus1700          |
|                                            |                | rising                   | eus1701          |
|                                            |                | falling                  | eus1702          |
| October(a)                                 | the October    | flat                     | eus1704          |
|                                            |                | rising                   | eus1705          |
|                                            |                | falling                  | eus1706          |
| November(a)                                | the November   | flat                     | eus1708          |
|                                            |                | rising                   | eus1709          |
|                                            |                | falling                  | eus1710          |
| December(a)                                | the December   | flat                     | eus1712          |
|                                            |                | rising                   | eus1713          |
|                                            |                | falling                  | eus1714          |
| Sunday(a)                                  | the Sunday     | flat                     | eus1716          |
|                                            |                | rising                   | eus1717          |
|                                            |                | falling                  | eus1718          |
| Monday(a)                                  | the Monday     | flat                     | eus1720          |
|                                            |                | rising                   | eus1721          |
|                                            |                | falling                  | eus1722          |
| Tuesday(a)                                 | the Tuesday    | flat                     | eus1724          |
|                                            |                | rising                   | eus1725          |
|                                            |                | falling                  | eus1726          |
| Wednesday(a)                               | the Wednesday  | flat                     | eus1728          |
|                                            |                | rising                   | eus1729          |
|                                            |                | falling                  | eus1730          |
| Thursday(a)                                | the Thursday   | flat                     | eus1732          |
|                                            |                | rising                   | eus1733          |
|                                            |                | falling                  | eus1734          |

**Basque audio (Sheet 25 of 64)**

| Basque phrase or English equivalent | English      | Phrase intonation | File name |
|-------------------------------------|--------------|-------------------|-----------|
| Friday(a)                           | the Friday   | flat              | eus1736   |
|                                     |              | rising            | eus1737   |
|                                     |              | falling           | eus1738   |
| Saturday(a)                         | the Saturday | flat              | eus1740   |
|                                     |              | rising            | eus1741   |
|                                     |              | falling           | eus1742   |
| zero(in/on/at)                      | in/on/at     |                   |           |
|                                     | in/on/at 0   | flat              | eus1800   |
|                                     |              | rising            | eus1801   |
| falling                             |              | eus1802           |           |
| 1(in/on/at)                         | in/on/at 1   | flat              | eus1808   |
|                                     |              | rising            | eus1809   |
|                                     |              | falling           | eus1810   |
| 2(in/on/at)                         | in/on/at 2   | flat              | eus1812   |
|                                     |              | rising            | eus1813   |
|                                     |              | falling           | eus1814   |
| 3(in/on/at)                         | in/on/at 3   | flat              | eus1816   |
|                                     |              | rising            | eus1817   |
|                                     |              | falling           | eus1818   |
| 4(in/on/at)                         | in/on/at 4   | flat              | eus1820   |
|                                     |              | rising            | eus1821   |
|                                     |              | falling           | eus1822   |
| 5(in/on/at)                         | in/on/at 5   | flat              | eus1824   |
|                                     |              | rising            | eus1825   |
|                                     |              | falling           | eus1826   |

**Basque audio (Sheet 26 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| 6(in/on/at)                                | in/on/at 6     | flat                     | eus1828          |
|                                            |                | rising                   | eus1829          |
|                                            |                | falling                  | eus1830          |
| 7(in/on/at)                                | in/on/at 7     | flat                     | eus1832          |
|                                            |                | rising                   | eus1833          |
|                                            |                | falling                  | eus1834          |
| 8(in/on/at)                                | in/on/at 8     | flat                     | eus1836          |
|                                            |                | rising                   | eus1837          |
|                                            |                | falling                  | eus1838          |
| 9(in/on/at)                                | in/on/at 9     | flat                     | eus1840          |
|                                            |                | rising                   | eus1841          |
|                                            |                | falling                  | eus1842          |
| 10(in/on/at)                               | in/on/at 10    | flat                     | eus1856          |
|                                            |                | rising                   | eus1857          |
|                                            |                | falling                  | eus1858          |
| 11(in/on/at)                               | in/on/at 11    | flat                     | eus1860          |
|                                            |                | rising                   | eus1861          |
|                                            |                | falling                  | eus1862          |
| 12(in/on/at)                               | in/on/at 12    | flat                     | eus1864          |
|                                            |                | rising                   | eus1865          |
|                                            |                | falling                  | eus1866          |
| 13(in/on/at)                               | in/on/at 13    | flat                     | eus1868          |
|                                            |                | rising                   | eus1869          |
|                                            |                | falling                  | eus1870          |
| 14(in/on/at)                               | in/on/at 14    | flat                     | eus1872          |
|                                            |                | rising                   | eus1873          |
|                                            |                | falling                  | eus1874          |

**Basque audio (Sheet 27 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| 15(in/on/at)                               | in/on/at 15    | flat                     | eus1876          |
|                                            |                | rising                   | eus1877          |
|                                            |                | falling                  | eus1878          |
| 16(in/on/at)                               | in/on/at 16    | flat                     | eus1880          |
|                                            |                | rising                   | eus1881          |
|                                            |                | falling                  | eus1882          |
| 17(in/on/at)                               | in/on/at 17    | flat                     | eus1884          |
|                                            |                | rising                   | eus1885          |
|                                            |                | falling                  | eus1886          |
| 18(in/on/at)                               | in/on/at 18    | flat                     | eus1888          |
|                                            |                | rising                   | eus1889          |
|                                            |                | falling                  | eus1890          |
| 19(in/on/at)                               | in/on/at 19    | flat                     | eus1892          |
|                                            |                | rising                   | eus1893          |
|                                            |                | falling                  | eus1894          |
| 20(in/on/at)                               | in/on/at 20    | flat                     | eus1896          |
|                                            |                | rising                   | eus1897          |
|                                            |                | falling                  | eus1898          |
| 40(in/on/at)                               | in/on/at 40    | flat                     | eus1904          |
|                                            |                | rising                   | eus1905          |
|                                            |                | falling                  | eus1906          |
| 60(in/on/at)                               | in/on/at 60    | flat                     | eus1912          |
|                                            |                | rising                   | eus1913          |
|                                            |                | falling                  | eus1914          |
| 80(in/on/at)                               | in/on/at 80    | flat                     | eus1920          |
|                                            |                | rising                   | eus1921          |
|                                            |                | falling                  | eus1922          |

**Basque audio (Sheet 28 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| 100(in/on/at)                              | in/on/at 100   | flat                     | eus1932          |
|                                            |                | rising                   | eus1933          |
|                                            |                | falling                  | eus1934          |
| 200(in/on/at)                              | in/on/at 200   | flat                     | eus1936          |
|                                            |                | rising                   | eus1937          |
|                                            |                | falling                  | eus1938          |
| 300(in/on/at)                              | in/on/at 300   | flat                     | eus1940          |
|                                            |                | rising                   | eus1941          |
|                                            |                | falling                  | eus1942          |
| 400(in/on/at)                              | in/on/at 400   | flat                     | eus1944          |
|                                            |                | rising                   | eus1945          |
|                                            |                | falling                  | eus1946          |
| 500(in/on/at)                              | in/on/at 500   | flat                     | eus1948          |
|                                            |                | rising                   | eus1949          |
|                                            |                | falling                  | eus1950          |
| 600(in/on/at)                              | in/on/at 600   | flat                     | eus1952          |
|                                            |                | rising                   | eus1953          |
|                                            |                | falling                  | eus1954          |
| 700(in/on/at)                              | in/on/at 700   | flat                     | eus1956          |
|                                            |                | rising                   | eus1957          |
|                                            |                | falling                  | eus1958          |
| 800(in/on/at)                              | in/on/at 800   | flat                     | eus1960          |
|                                            |                | rising                   | eus1961          |
|                                            |                | falling                  | eus1962          |
| 900(in/on/at)                              | in/on/at 900   | flat                     | eus1964          |
|                                            |                | rising                   | eus1965          |
|                                            |                | falling                  | eus1966          |

**Basque audio (Sheet 29 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b>    | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|-------------------|--------------------------|------------------|
| thousand(in/on/at)                         | in/on/at thousand | flat                     | eus1804          |
|                                            |                   | rising                   | eus1805          |
|                                            |                   | falling                  | eus1806          |
| million(in/on/at)                          | in/on/at million  | flat                     | eus2044          |
|                                            |                   | rising                   | eus2045          |
|                                            |                   | falling                  | eus2046          |
| January(in/on)                             | in/on January     | flat                     | eus1968          |
|                                            |                   | rising                   | eus1969          |
|                                            |                   | falling                  | eus1970          |
| February(in/on)                            | in/on February    | flat                     | eus1972          |
|                                            |                   | rising                   | eus1973          |
|                                            |                   | falling                  | eus1974          |
| March(in/on)                               | in/on March       | flat                     | eus1976          |
|                                            |                   | rising                   | eus1977          |
|                                            |                   | falling                  | eus1978          |
| April(in/on)                               | in/on April       | flat                     | eus1980          |
|                                            |                   | rising                   | eus1981          |
|                                            |                   | falling                  | eus1982          |
| May(in/on)                                 | in/on May         | flat                     | eus1984          |
|                                            |                   | rising                   | eus1985          |
|                                            |                   | falling                  | eus1986          |
| June(in/on)                                | in/on June        | flat                     | eus1988          |
|                                            |                   | rising                   | eus1989          |
|                                            |                   | falling                  | eus1990          |
| July(in/on)                                | in/on July        | flat                     | eus1992          |
|                                            |                   | rising                   | eus1993          |
|                                            |                   | falling                  | eus1994          |



**Basque audio (Sheet 30 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b>  | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|-----------------|--------------------------|------------------|
| August(in/on)                              | in/on August    | flat                     | eus1996          |
|                                            |                 | rising                   | eus1997          |
|                                            |                 | falling                  | eus1998          |
| September(in/on)                           | in/on September | flat                     | eus2000          |
|                                            |                 | rising                   | eus2001          |
|                                            |                 | falling                  | eus2002          |
| October(in/on)                             | in/on October   | flat                     | eus2004          |
|                                            |                 | rising                   | eus2005          |
|                                            |                 | falling                  | eus2006          |
| November(in/on)                            | in/on November  | flat                     | eus2008          |
|                                            |                 | rising                   | eus2009          |
|                                            |                 | falling                  | eus2010          |
| December(in/on)                            | in/on December  | flat                     | eus2012          |
|                                            |                 | rising                   | eus2013          |
|                                            |                 | falling                  | eus2014          |
| Sunday(on)                                 | on Sunday       | flat                     | eus2016          |
|                                            |                 | rising                   | eus2017          |
|                                            |                 | falling                  | eus2018          |
| Monday(on)                                 | on Monday       | flat                     | eus2020          |
|                                            |                 | rising                   | eus2021          |
|                                            |                 | falling                  | eus2022          |
| Tuesday(on)                                | on Tuesday      | flat                     | eus2024          |
|                                            |                 | rising                   | eus2025          |
|                                            |                 | falling                  | eus2026          |
| Wednesday(on)                              | on Wednesday    | flat                     | eus2028          |
|                                            |                 | rising                   | eus2029          |
|                                            |                 | falling                  | eus2030          |

**Basque audio (Sheet 31 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| Thursday(on)                               | on Thursday    | flat                     | eus2032          |
|                                            |                | rising                   | eus2033          |
|                                            |                | falling                  | eus2034          |
| Friday(on)                                 | on Friday      | flat                     | eus2036          |
|                                            |                | rising                   | eus2037          |
|                                            |                | falling                  | eus2038          |
| Saturday(on)                               | on Saturday    | flat                     | eus2040          |
|                                            |                | rising                   | eus2041          |
|                                            |                | falling                  | eus2042          |
| 0(of)                                      | of 0           | flat                     | eus2100          |
|                                            |                | rising                   | eus2101          |
|                                            |                | falling                  | eus2102          |
| 1(of)                                      | of 1           | flat                     | eus2108          |
|                                            |                | rising                   | eus2109          |
|                                            |                | falling                  | eus2110          |
| 2(of)                                      | of 2           | flat                     | eus2112          |
|                                            |                | rising                   | eus2113          |
|                                            |                | falling                  | eus2114          |
| 3(of)                                      | of 3           | flat                     | eus2116          |
|                                            |                | rising                   | eus2117          |
|                                            |                | falling                  | eus2118          |
| 4(of)                                      | of 4           | flat                     | eus2120          |
|                                            |                | rising                   | eus2121          |
|                                            |                | falling                  | eus2122          |

**Basque audio (Sheet 32 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| 5(of)                                      | of 5           | flat                     | eus2124          |
|                                            |                | rising                   | eus2125          |
|                                            |                | falling                  | eus2126          |
| 6(of)                                      | of 6           | flat                     | eus2128          |
|                                            |                | rising                   | eus2129          |
|                                            |                | falling                  | eus2130          |
| 7(of)                                      | of 7           | flat                     | eus2132          |
|                                            |                | rising                   | eus2133          |
|                                            |                | falling                  | eus2134          |
| 8(of)                                      | of 8           | flat                     | eus2136          |
|                                            |                | rising                   | eus2137          |
|                                            |                | falling                  | eus2138          |
| 9(of)                                      | of 9           | flat                     | eus2140          |
|                                            |                | rising                   | eus2141          |
|                                            |                | falling                  | eus2142          |
| 10(of)                                     | of 10          | flat                     | eus2156          |
|                                            |                | rising                   | eus2157          |
|                                            |                | falling                  | eus2158          |
| 11(of)                                     | of 11          | flat                     | eus2160          |
|                                            |                | rising                   | eus2161          |
|                                            |                | falling                  | eus2162          |
| 12(of)                                     | of 12          | flat                     | eus2164          |
|                                            |                | rising                   | eus2165          |
|                                            |                | falling                  | eus2166          |
| 13(of)                                     | of 13          | flat                     | eus2168          |
|                                            |                | rising                   | eus2169          |
|                                            |                | falling                  | eus2170          |

**Basque audio (Sheet 33 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| 14(of)                                     | of 14          | flat                     | eus2172          |
|                                            |                | rising                   | eus2173          |
|                                            |                | falling                  | eus2174          |
| 15(of)                                     | of 15          | flat                     | eus2176          |
|                                            |                | rising                   | eus2177          |
|                                            |                | falling                  | eus2178          |
| 16(of)                                     | of 16          | flat                     | eus2180          |
|                                            |                | rising                   | eus2181          |
|                                            |                | falling                  | eus2182          |
| 17(of)                                     | of 17          | flat                     | eus2184          |
|                                            |                | rising                   | eus2185          |
|                                            |                | falling                  | eus2186          |
| 18(of)                                     | of 18          | flat                     | eus2188          |
|                                            |                | rising                   | eus2189          |
|                                            |                | falling                  | eus2190          |
| 19(of)                                     | of 19          | flat                     | eus2192          |
|                                            |                | rising                   | eus2193          |
|                                            |                | falling                  | eus2194          |
| 20(of)                                     | of 20          | flat                     | eus2196          |
|                                            |                | rising                   | eus2197          |
|                                            |                | falling                  | eus2198          |
| 40(of)                                     | of 40          | flat                     | eus2204          |
|                                            |                | rising                   | eus2205          |
|                                            |                | falling                  | eus2206          |
| 60(of)                                     | of 60          | flat                     | eus2212          |
|                                            |                | rising                   | eus2213          |
|                                            |                | falling                  | eus2214          |

**Basque audio (Sheet 34 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| 80(of)                                     | of 80          | flat                     | eus2220          |
|                                            |                | rising                   | eus2221          |
|                                            |                | falling                  | eus2222          |
| 100(of)                                    | of 100         | flat                     | eus2232          |
|                                            |                | rising                   | eus2233          |
|                                            |                | falling                  | eus2234          |
| 200(of)                                    | of 200         | flat                     | eus2236          |
|                                            |                | rising                   | eus2237          |
|                                            |                | falling                  | eus2238          |
| 300(of)                                    | of 300         | flat                     | eus2240          |
|                                            |                | rising                   | eus2241          |
|                                            |                | falling                  | eus2242          |
| 400(of)                                    | of 400         | flat                     | eus2244          |
|                                            |                | rising                   | eus2245          |
|                                            |                | falling                  | eus2246          |
| 500(of)                                    | of 500         | flat                     | eus2248          |
|                                            |                | rising                   | eus2249          |
|                                            |                | falling                  | eus2250          |
| 600(of)                                    | of 600         | flat                     | eus2252          |
|                                            |                | rising                   | eus2253          |
|                                            |                | falling                  | eus2254          |
| 700(of)                                    | of 700         | flat                     | eus2256          |
|                                            |                | rising                   | eus2257          |
|                                            |                | falling                  | eus2258          |
| 800(of)                                    | of 800         | flat                     | eus2260          |
|                                            |                | rising                   | eus2261          |
|                                            |                | falling                  | eus2262          |

**Basque audio (Sheet 35 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| 900(of)                                    | of 900         | flat                     | eus2264          |
|                                            |                | rising                   | eus2265          |
|                                            |                | falling                  | eus2266          |
| thousand(of)                               | of thousand    | flat                     | eus2104          |
|                                            |                | rising                   | eus2105          |
|                                            |                | falling                  | eus2106          |
| million(of)                                | of million     | flat                     | eus2344          |
|                                            |                | rising                   | eus2345          |
|                                            |                | falling                  | eus2346          |
| January(of)                                | of January     | flat                     | eus2268          |
|                                            |                | rising                   | eus2269          |
|                                            |                | falling                  | eus2270          |
| February(of)                               | of February    | flat                     | eus2272          |
|                                            |                | rising                   | eus2273          |
|                                            |                | falling                  | eus2274          |
| March(of)                                  | of March       | flat                     | eus2276          |
|                                            |                | rising                   | eus2277          |
|                                            |                | falling                  | eus2278          |
| April(of)                                  | of April       | flat                     | eus2280          |
|                                            |                | rising                   | eus2281          |
|                                            |                | falling                  | eus2282          |
| May(of)                                    | of May         | flat                     | eus2284          |
|                                            |                | rising                   | eus2285          |
|                                            |                | falling                  | eus2286          |
| June(of)                                   | of June        | flat                     | eus2288          |
|                                            |                | rising                   | eus2289          |
|                                            |                | falling                  | eus2290          |

**Basque audio (Sheet 36 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| July(of)                                   | of July        | flat                     | eus2292          |
|                                            |                | rising                   | eus2293          |
|                                            |                | falling                  | eus2294          |
| August(of)                                 | of August      | flat                     | eus2296          |
|                                            |                | rising                   | eus2297          |
|                                            |                | falling                  | eus2298          |
| September(of)                              | of September   | flat                     | eus2300          |
|                                            |                | rising                   | eus2301          |
|                                            |                | falling                  | eus2302          |
| October(of)                                | of October     | flat                     | eus2304          |
|                                            |                | rising                   | eus2305          |
|                                            |                | falling                  | eus2306          |
| November(of)                               | of November    | flat                     | eus2308          |
|                                            |                | rising                   | eus2309          |
|                                            |                | falling                  | eus2310          |
| December(of)                               | of December    | flat                     | eus2312          |
|                                            |                | rising                   | eus2313          |
|                                            |                | falling                  | eus2314          |
| 0(by)                                      | by             |                          |                  |
|                                            | by 0           | flat                     | eus2400          |
|                                            |                | rising                   | eus2401          |
| 1(by)                                      | by 1           | falling                  | eus2402          |
|                                            |                | flat                     | eus2408          |
|                                            |                | rising                   | eus2409          |
|                                            |                | falling                  | eus2410          |

**Basque audio (Sheet 37 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| 2(by)                                      | by 2           | flat                     | eus2412          |
|                                            |                | rising                   | eus2413          |
|                                            |                | falling                  | eus2414          |
| 3(by)                                      | by 3           | flat                     | eus2416          |
|                                            |                | rising                   | eus2417          |
|                                            |                | falling                  | eus2418          |
| 4(by)                                      | by 4           | flat                     | eus2420          |
|                                            |                | rising                   | eus2421          |
|                                            |                | falling                  | eus2422          |
| 5(by)                                      | by 5           | flat                     | eus2424          |
|                                            |                | rising                   | eus2425          |
|                                            |                | falling                  | eus2426          |
| 6(by)                                      | by 6           | flat                     | eus2428          |
|                                            |                | rising                   | eus2429          |
|                                            |                | falling                  | eus2430          |
| 7(by)                                      | by 7           | flat                     | eus2432          |
|                                            |                | rising                   | eus2433          |
|                                            |                | falling                  | eus2434          |
| 8(by)                                      | by 8           | flat                     | eus2436          |
|                                            |                | rising                   | eus2437          |
|                                            |                | falling                  | eus2438          |
| 9(by)                                      | by 9           | flat                     | eus2440          |
|                                            |                | rising                   | eus2441          |
|                                            |                | falling                  | eus2442          |
| 10(by)                                     | by 10          | flat                     | eus2456          |
|                                            |                | rising                   | eus2457          |
|                                            |                | falling                  | eus2458          |



**Basque audio (Sheet 38 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| 11(by)                                     | by 11          | flat                     | eus2460          |
|                                            |                | rising                   | eus2461          |
|                                            |                | falling                  | eus2462          |
| 12(by)                                     | by 12          | flat                     | eus2464          |
|                                            |                | rising                   | eus2465          |
|                                            |                | falling                  | eus2466          |
| 13(by)                                     | by 13          | flat                     | eus2468          |
|                                            |                | rising                   | eus2469          |
|                                            |                | falling                  | eus2470          |
| 14(by)                                     | by 14          | flat                     | eus2472          |
|                                            |                | rising                   | eus2473          |
|                                            |                | falling                  | eus2474          |
| 15(by)                                     | by 15          | flat                     | eus2476          |
|                                            |                | rising                   | eus2477          |
|                                            |                | falling                  | eus2478          |
| 16(by)                                     | by 16          | flat                     | eus2480          |
|                                            |                | rising                   | eus2481          |
|                                            |                | falling                  | eus2482          |
| 17(by)                                     | by 17          | flat                     | eus2484          |
|                                            |                | rising                   | eus2485          |
|                                            |                | falling                  | eus2486          |
| 18(by)                                     | by 18          | flat                     | eus2488          |
|                                            |                | rising                   | eus2489          |
|                                            |                | falling                  | eus2490          |
| 19(by)                                     | by 19          | flat                     | eus2492          |
|                                            |                | rising                   | eus2493          |
|                                            |                | falling                  | eus2494          |

**Basque audio (Sheet 39 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| 20(by)                                     | by 20          | flat                     | eus2496          |
|                                            |                | rising                   | eus2497          |
|                                            |                | falling                  | eus2498          |
| 40(by)                                     | by 40          | flat                     | eus2504          |
|                                            |                | rising                   | eus2505          |
|                                            |                | falling                  | eus2506          |
| 60(by)                                     | by 60          | flat                     | eus2512          |
|                                            |                | rising                   | eus2513          |
|                                            |                | falling                  | eus2514          |
| 80(by)                                     | by 80          | flat                     | eus2520          |
|                                            |                | rising                   | eus2521          |
|                                            |                | falling                  | eus2522          |
| 100(by)                                    | by 100         | flat                     | eus2532          |
|                                            |                | rising                   | eus2533          |
|                                            |                | falling                  | eus2534          |
| 200(by)                                    | by 200         | flat                     | eus2536          |
|                                            |                | rising                   | eus2537          |
|                                            |                | falling                  | eus2538          |
| 300(by)                                    | by 300         | flat                     | eus2540          |
|                                            |                | rising                   | eus2541          |
|                                            |                | falling                  | eus2542          |
| 400(by)                                    | by 400         | flat                     | eus2544          |
|                                            |                | rising                   | eus2545          |
|                                            |                | falling                  | eus2546          |
| 500(by)                                    | by 500         | flat                     | eus2548          |
|                                            |                | rising                   | eus2549          |
|                                            |                | falling                  | eus2550          |

**Basque audio (Sheet 40 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| 600(by)                                    | by 600         | flat                     | eus2552          |
|                                            |                | rising                   | eus2553          |
|                                            |                | falling                  | eus2554          |
| 700(by)                                    | by 700         | flat                     | eus2556          |
|                                            |                | rising                   | eus2557          |
|                                            |                | falling                  | eus2558          |
| 800(by)                                    | by 800         | flat                     | eus2560          |
|                                            |                | rising                   | eus2561          |
|                                            |                | falling                  | eus2562          |
| 900(by)                                    | by 900         | flat                     | eus2564          |
|                                            |                | rising                   | eus2565          |
|                                            |                | falling                  | eus2566          |
| thousand(by)                               | by thousand    | flat                     | eus2404          |
|                                            |                | rising                   | eus2405          |
|                                            |                | falling                  | eus2406          |
| million(by)                                | by million     | flat                     | eus2644          |
|                                            |                | rising                   | eus2645          |
|                                            |                | falling                  | eus2646          |
| January(by)                                | by January     | flat                     | eus2568          |
|                                            |                | rising                   | eus2569          |
|                                            |                | falling                  | eus2570          |
| February(by)                               | by February    | flat                     | eus2572          |
|                                            |                | rising                   | eus2573          |
|                                            |                | falling                  | eus2574          |
| March(by)                                  | by March       | flat                     | eus2576          |
|                                            |                | rising                   | eus2577          |
|                                            |                | falling                  | eus2578          |

**Basque audio (Sheet 41 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| April(by)                                  | by April       | flat                     | eus2580          |
|                                            |                | rising                   | eus2581          |
|                                            |                | falling                  | eus2582          |
| May(by)                                    | by May         | flat                     | eus2584          |
|                                            |                | rising                   | eus2585          |
|                                            |                | falling                  | eus2586          |
| June(by)                                   | by June        | flat                     | eus2588          |
|                                            |                | rising                   | eus2589          |
|                                            |                | falling                  | eus2590          |
| July(by)                                   | by July        | flat                     | eus2592          |
|                                            |                | rising                   | eus2593          |
|                                            |                | falling                  | eus2594          |
| August(by)                                 | by August      | flat                     | eus2596          |
|                                            |                | rising                   | eus2597          |
|                                            |                | falling                  | eus2598          |
| September(by)                              | by September   | flat                     | eus2600          |
|                                            |                | rising                   | eus2601          |
|                                            |                | falling                  | eus2602          |
| October(by)                                | by October     | flat                     | eus2604          |
|                                            |                | rising                   | eus2605          |
|                                            |                | falling                  | eus2606          |
| November(by)                               | by November    | flat                     | eus2608          |
|                                            |                | rising                   | eus2609          |
|                                            |                | falling                  | eus2610          |
| December(by)                               | by December    | flat                     | eus2612          |
|                                            |                | rising                   | eus2613          |
|                                            |                | falling                  | eus2614          |

**Basque audio (Sheet 42 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| Sunday(by)                                 | by Sunday      | flat                     | eus2616          |
|                                            |                | rising                   | eus2617          |
|                                            |                | falling                  | eus2618          |
| Monday(by)                                 | by Monday      | flat                     | eus2620          |
|                                            |                | rising                   | eus2621          |
|                                            |                | falling                  | eus2622          |
| Tuesday(by)                                | by Tuesday     | flat                     | eus2624          |
|                                            |                | rising                   | eus2625          |
|                                            |                | falling                  | eus2626          |
| Wednesday(by)                              | by Wednesday   | flat                     | eus2628          |
|                                            |                | rising                   | eus2629          |
|                                            |                | falling                  | eus2630          |
| Thursday(by)                               | by Thursday    | flat                     | eus2632          |
|                                            |                | rising                   | eus2633          |
|                                            |                | falling                  | eus2634          |
| Friday(by)                                 | by Friday      | flat                     | eus2636          |
|                                            |                | rising                   | eus2637          |
|                                            |                | falling                  | eus2638          |
| Saturday(by)                               | by Saturday    | flat                     | eus2640          |
|                                            |                | rising                   | eus2641          |
|                                            |                | falling                  | eus2642          |
| 0(from)                                    | from 0         | flat                     | eus2700          |
|                                            |                | rising                   | eus2701          |
|                                            |                | falling                  | eus2702          |

**Basque audio (Sheet 43 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| 1(from)                                    | from 1         | flat                     | eus2708          |
|                                            |                | rising                   | eus2709          |
|                                            |                | falling                  | eus2710          |
| 2(from)                                    | from 2         | flat                     | eus2712          |
|                                            |                | rising                   | eus2713          |
|                                            |                | falling                  | eus2714          |
| 3(from)                                    | from 3         | flat                     | eus2716          |
|                                            |                | rising                   | eus2717          |
|                                            |                | falling                  | eus2718          |
| 4(from)                                    | from 4         | flat                     | eus2720          |
|                                            |                | rising                   | eus2721          |
|                                            |                | falling                  | eus2722          |
| 5(from)                                    | from 5         | flat                     | eus2724          |
|                                            |                | rising                   | eus2725          |
|                                            |                | falling                  | eus2726          |
| 6(from)                                    | from 6         | flat                     | eus2728          |
|                                            |                | rising                   | eus2729          |
|                                            |                | falling                  | eus2730          |
| 7(from)                                    | from 7         | flat                     | eus2732          |
|                                            |                | rising                   | eus2733          |
|                                            |                | falling                  | eus2734          |
| 8(from)                                    | from 8         | flat                     | eus2736          |
|                                            |                | rising                   | eus2737          |
|                                            |                | falling                  | eus2738          |
| 9(from)                                    | from 9         | flat                     | eus2740          |
|                                            |                | rising                   | eus2741          |
|                                            |                | falling                  | eus2742          |

**Basque audio (Sheet 44 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| 10(from)                                   | from 10        | flat                     | eus2756          |
|                                            |                | rising                   | eus2757          |
|                                            |                | falling                  | eus2758          |
| 11(from)                                   | from 11        | flat                     | eus2760          |
|                                            |                | rising                   | eus2761          |
|                                            |                | falling                  | eus2762          |
| 12(from)                                   | from 12        | flat                     | eus2764          |
|                                            |                | rising                   | eus2765          |
|                                            |                | falling                  | eus2766          |
| 13(from)                                   | from 13        | flat                     | eus2768          |
|                                            |                | rising                   | eus2769          |
|                                            |                | falling                  | eus2770          |
| 14(from)                                   | from 14        | flat                     | eus2772          |
|                                            |                | rising                   | eus2773          |
|                                            |                | falling                  | eus2774          |
| 15(from)                                   | from 15        | flat                     | eus2776          |
|                                            |                | rising                   | eus2777          |
|                                            |                | falling                  | eus2778          |
| 16(from)                                   | from 16        | flat                     | eus2780          |
|                                            |                | rising                   | eus2781          |
|                                            |                | falling                  | eus2782          |
| 17(from)                                   | from 17        | flat                     | eus2784          |
|                                            |                | rising                   | eus2785          |
|                                            |                | falling                  | eus2786          |
| 18(from)                                   | from 18        | flat                     | eus2788          |
|                                            |                | rising                   | eus2789          |
|                                            |                | falling                  | eus2790          |

**Basque audio (Sheet 45 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| 19(from)                                   | from 19        | flat                     | eus2792          |
|                                            |                | rising                   | eus2793          |
|                                            |                | falling                  | eus2794          |
| 20(from)                                   | from 20        | flat                     | eus2796          |
|                                            |                | rising                   | eus2797          |
|                                            |                | falling                  | eus2798          |
| 40(from)                                   | from 40        | flat                     | eus2804          |
|                                            |                | rising                   | eus2805          |
|                                            |                | falling                  | eus2806          |
| 60(from)                                   | from 60        | flat                     | eus2812          |
|                                            |                | rising                   | eus2813          |
|                                            |                | falling                  | eus2814          |
| 80(from)                                   | from 80        | flat                     | eus2820          |
|                                            |                | rising                   | eus2821          |
|                                            |                | falling                  | eus2822          |
| 100(from)                                  | from 100       | flat                     | eus2832          |
|                                            |                | rising                   | eus2833          |
|                                            |                | falling                  | eus2834          |
| 200(from)                                  | from 200       | flat                     | eus2836          |
|                                            |                | rising                   | eus2837          |
|                                            |                | falling                  | eus2838          |
| 300(from)                                  | from 300       | flat                     | eus2840          |
|                                            |                | rising                   | eus2841          |
|                                            |                | falling                  | eus2842          |
| 400(from)                                  | from 400       | flat                     | eus2844          |
|                                            |                | rising                   | eus2845          |
|                                            |                | falling                  | eus2846          |



**Basque audio (Sheet 46 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| 500(from)                                  | from 500       | flat                     | eus2848          |
|                                            |                | rising                   | eus2849          |
|                                            |                | falling                  | eus2850          |
| 600(from)                                  | from 600       | flat                     | eus2852          |
|                                            |                | rising                   | eus2853          |
|                                            |                | falling                  | eus2854          |
| 700(from)                                  | from 700       | flat                     | eus2856          |
|                                            |                | rising                   | eus2857          |
|                                            |                | falling                  | eus2858          |
| 800(from)                                  | from 800       | flat                     | eus2860          |
|                                            |                | rising                   | eus2861          |
|                                            |                | falling                  | eus2862          |
| 900(from)                                  | from 900       | flat                     | eus2864          |
|                                            |                | rising                   | eus2865          |
|                                            |                | falling                  | eus2866          |
| thousand(from)                             | from thousand  | flat                     | eus2704          |
|                                            |                | rising                   | eus2705          |
|                                            |                | falling                  | eus2706          |
| million(from)                              | from million   | flat                     | eus2944          |
|                                            |                | rising                   | eus2945          |
|                                            |                | falling                  | eus2946          |
| January(from)                              | from January   | flat                     | eus2868          |
|                                            |                | rising                   | eus2869          |
|                                            |                | falling                  | eus2870          |
| February(from)                             | from February  | flat                     | eus2872          |
|                                            |                | rising                   | eus2873          |
|                                            |                | falling                  | eus2874          |

**Basque audio (Sheet 47 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| March(from)                                | from March     | flat                     | eus2876          |
|                                            |                | rising                   | eus2877          |
|                                            |                | falling                  | eus2878          |
| April(from)                                | from April     | flat                     | eus2880          |
|                                            |                | rising                   | eus2881          |
|                                            |                | falling                  | eus2882          |
| May(from)                                  | from May       | flat                     | eus2884          |
|                                            |                | rising                   | eus2885          |
|                                            |                | falling                  | eus2886          |
| June(from)                                 | from June      | flat                     | eus2888          |
|                                            |                | rising                   | eus2889          |
|                                            |                | falling                  | eus2890          |
| July(from)                                 | from July      | flat                     | eus2892          |
|                                            |                | rising                   | eus2893          |
|                                            |                | falling                  | eus2894          |
| August(from)                               | from August    | flat                     | eus2896          |
|                                            |                | rising                   | eus2897          |
|                                            |                | falling                  | eus2898          |
| September(from)                            | from September | flat                     | eus2900          |
|                                            |                | rising                   | eus2901          |
|                                            |                | falling                  | eus2902          |
| October(from)                              | from October   | flat                     | eus2904          |
|                                            |                | rising                   | eus2905          |
|                                            |                | falling                  | eus2906          |
| November(from)                             | from November  | flat                     | eus2908          |
|                                            |                | rising                   | eus2909          |
|                                            |                | falling                  | eus2910          |

**Basque audio (Sheet 48 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| December(from)                             | from December  | flat                     | eus2912          |
|                                            |                | rising                   | eus2913          |
|                                            |                | falling                  | eus2914          |
| Sunday(from)                               | from Sunday    | flat                     | eus2916          |
|                                            |                | rising                   | eus2917          |
|                                            |                | falling                  | eus2918          |
| Monday(from)                               | from Monday    | flat                     | eus2920          |
|                                            |                | rising                   | eus2921          |
|                                            |                | falling                  | eus2922          |
| Tuesday(from)                              | from Tuesday   | flat                     | eus2924          |
|                                            |                | rising                   | eus2925          |
|                                            |                | falling                  | eus2926          |
| Wednesday(from)                            | from Wednesday | flat                     | eus2928          |
|                                            |                | rising                   | eus2929          |
|                                            |                | falling                  | eus2930          |
| Thursday(from)                             | from Thursday  | flat                     | eus2932          |
|                                            |                | rising                   | eus2933          |
|                                            |                | falling                  | eus2934          |
| Friday(from)                               | from Friday    | flat                     | eus2936          |
|                                            |                | rising                   | eus2937          |
|                                            |                | falling                  | eus2938          |
| Saturday(from)                             | from Saturday  | flat                     | eus2940          |
|                                            |                | rising                   | eus2941          |
|                                            |                | falling                  | eus2942          |
|                                            | at plural      |                          |                  |

**Basque audio (Sheet 49 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| 0 plural (at)                              | at 0 (plural)  | flat                     | eus3000          |
|                                            |                | rising                   | eus3001          |
|                                            |                | falling                  | eus3002          |
| 1 plural (at)                              | at 1 (plural)  | flat                     | eus3008          |
|                                            |                | rising                   | eus3009          |
|                                            |                | falling                  | eus3010          |
| 2 plural (at)                              | at 2 (plural)  | flat                     | eus3012          |
|                                            |                | rising                   | eus3013          |
|                                            |                | falling                  | eus3014          |
| 3 plural (at)                              | at 3 (plural)  | flat                     | eus3016          |
|                                            |                | rising                   | eus3017          |
|                                            |                | falling                  | eus3018          |
| 4 plural (at)                              | at 4 (plural)  | flat                     | eus3020          |
|                                            |                | rising                   | eus3021          |
|                                            |                | falling                  | eus3022          |
| 5 plural (at)                              | at 5 (plural)  | flat                     | eus3024          |
|                                            |                | rising                   | eus3025          |
|                                            |                | falling                  | eus3026          |
| 6 plural (at)                              | at 6 (plural)  | flat                     | eus3028          |
|                                            |                | rising                   | eus3029          |
|                                            |                | falling                  | eus3030          |
| 7 plural (at)                              | at 7 (plural)  | flat                     | eus3032          |
|                                            |                | rising                   | eus3033          |
|                                            |                | falling                  | eus3034          |
| 8 plural (at)                              | at 8 (plural)  | flat                     | eus3036          |
|                                            |                | rising                   | eus3037          |
|                                            |                | falling                  | eus3038          |

**Basque audio (Sheet 50 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| 9 plural (at)                              | at 9 (plural)  | flat                     | eus3040          |
|                                            |                | rising                   | eus3041          |
|                                            |                | falling                  | eus3042          |
| 10 plural (at)                             | at 10 (plural) | flat                     | eus3056          |
|                                            |                | rising                   | eus3057          |
|                                            |                | falling                  | eus3058          |
| 11 plural (at)                             | at 11 (plural) | flat                     | eus3060          |
|                                            |                | rising                   | eus3061          |
|                                            |                | falling                  | eus3062          |
| 12 plural (at)                             | at 12 (plural) | flat                     | eus3064          |
|                                            |                | rising                   | eus3065          |
|                                            |                | falling                  | eus3066          |
| 13 plural (at)                             | at 13 (plural) | flat                     | eus3068          |
|                                            |                | rising                   | eus3069          |
|                                            |                | falling                  | eus3070          |
| 14 plural (at)                             | at 14 (plural) | flat                     | eus3072          |
|                                            |                | rising                   | eus3073          |
|                                            |                | falling                  | eus3074          |
| 15 plural (at)                             | at 15 (plural) | flat                     | eus3076          |
|                                            |                | rising                   | eus3077          |
|                                            |                | falling                  | eus3078          |
| 16 plural (at)                             | at 16 (plural) | flat                     | eus3080          |
|                                            |                | rising                   | eus3081          |
|                                            |                | falling                  | eus3082          |
| 17 plural (at)                             | at 17 (plural) | flat                     | eus3084          |
|                                            |                | rising                   | eus3085          |
|                                            |                | falling                  | eus3086          |

**Basque audio (Sheet 51 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b>  | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|-----------------|--------------------------|------------------|
| 18 plural (at)                             | at 18 (plural)  | flat                     | eus3088          |
|                                            |                 | rising                   | eus3089          |
|                                            |                 | falling                  | eus3090          |
| 19 plural (at)                             | at 19 (plural)  | flat                     | eus3092          |
|                                            |                 | rising                   | eus3093          |
|                                            |                 | falling                  | eus3094          |
| 20 plural (at)                             | at 20 (plural)  | flat                     | eus3096          |
|                                            |                 | rising                   | eus3097          |
|                                            |                 | falling                  | eus3098          |
| 40 plural (at)                             | at 40 (plural)  | flat                     | eus3104          |
|                                            |                 | rising                   | eus3105          |
|                                            |                 | falling                  | eus3106          |
| 60 plural (at)                             | at 60 (plural)  | flat                     | eus3112          |
|                                            |                 | rising                   | eus3113          |
|                                            |                 | falling                  | eus3114          |
| 80 plural (at)                             | at 80 (plural)  | flat                     | eus3120          |
|                                            |                 | rising                   | eus3121          |
|                                            |                 | falling                  | eus3122          |
| 100 plural (at)                            | at 100 (plural) | flat                     | eus3132          |
|                                            |                 | rising                   | eus3133          |
|                                            |                 | falling                  | eus3134          |
| 200 plural (at)                            | at 200 (plural) | flat                     | eus3136          |
|                                            |                 | rising                   | eus3137          |
|                                            |                 | falling                  | eus3138          |
| 300 plural (at)                            | at 300 (plural) | flat                     | eus3140          |
|                                            |                 | rising                   | eus3141          |
|                                            |                 | falling                  | eus3142          |

**Basque audio (Sheet 52 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b>       | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------------|--------------------------|------------------|
| 400 plural (at)                            | at 400 (plural)      | flat                     | eus3144          |
|                                            |                      | rising                   | eus3145          |
|                                            |                      | falling                  | eus3146          |
| 500 plural (at)                            | at 500 (plural)      | flat                     | eus3148          |
|                                            |                      | rising                   | eus3149          |
|                                            |                      | falling                  | eus3150          |
| 600 plural (at)                            | at 600 (plural)      | flat                     | eus3152          |
|                                            |                      | rising                   | eus3153          |
|                                            |                      | falling                  | eus3154          |
| 700 plural (at)                            | at 700 (plural)      | flat                     | eus3156          |
|                                            |                      | rising                   | eus3157          |
|                                            |                      | falling                  | eus3158          |
| 800 plural (at)                            | at 800 (plural)      | flat                     | eus3160          |
|                                            |                      | rising                   | eus3161          |
|                                            |                      | falling                  | eus3162          |
| 900 plural (at)                            | at 900 (plural)      | flat                     | eus3164          |
|                                            |                      | rising                   | eus3165          |
|                                            |                      | falling                  | eus3166          |
| thousand plural (at)                       | at thousand (plural) | flat                     | eus3004          |
|                                            |                      | rising                   | eus3005          |
|                                            |                      | falling                  | eus3006          |
| million plural (at)                        | at million (plural)  | flat                     | eus3244          |
|                                            |                      | rising                   | eus3245          |
|                                            |                      | falling                  | eus3246          |
|                                            | by (plural)          |                          |                  |

**Basque audio (Sheet 53 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| 0 plural (by)                              | by 0 (plural)  | flat                     | eus3300          |
|                                            |                | rising                   | eus3301          |
|                                            |                | falling                  | eus3302          |
| 1 plural (by)                              | by 1 (plural)  | flat                     | eus3308          |
|                                            |                | rising                   | eus3309          |
|                                            |                | falling                  | eus3310          |
| 2 plural (by)                              | by 2 (plural)  | flat                     | eus3312          |
|                                            |                | rising                   | eus3313          |
|                                            |                | falling                  | eus3314          |
| 3 plural (by)                              | by 3 (plural)  | flat                     | eus3316          |
|                                            |                | rising                   | eus3317          |
|                                            |                | falling                  | eus3318          |
| 4 plural (by)                              | by 4 (plural)  | flat                     | eus3320          |
|                                            |                | rising                   | eus3321          |
|                                            |                | falling                  | eus3322          |
| 5 plural (by)                              | by 5 (plural)  | flat                     | eus3324          |
|                                            |                | rising                   | eus3325          |
|                                            |                | falling                  | eus3326          |
| 6 plural (by)                              | by 6 (plural)  | flat                     | eus3328          |
|                                            |                | rising                   | eus3329          |
|                                            |                | falling                  | eus3330          |
| 7 plural (by)                              | by 7 (plural)  | flat                     | eus3332          |
|                                            |                | rising                   | eus3333          |
|                                            |                | falling                  | eus3334          |
| 8 plural (by)                              | by 8 (plural)  | flat                     | eus3336          |
|                                            |                | rising                   | eus3337          |
|                                            |                | falling                  | eus3338          |



**Basque audio (Sheet 54 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| 9 plural (by)                              | by 9 (plural)  | flat                     | eus3340          |
|                                            |                | rising                   | eus3341          |
|                                            |                | falling                  | eus3342          |
| 10 plural (by)                             | by 10 (plural) | flat                     | eus3356          |
|                                            |                | rising                   | eus3357          |
|                                            |                | falling                  | eus3358          |
| 11 plural (by)                             | by 11 (plural) | flat                     | eus3360          |
|                                            |                | rising                   | eus3361          |
|                                            |                | falling                  | eus3362          |
| 12 plural (by)                             | by 12 (plural) | flat                     | eus3364          |
|                                            |                | rising                   | eus3365          |
|                                            |                | falling                  | eus3366          |
| 13 plural (by)                             | by 13 (plural) | flat                     | eus3368          |
|                                            |                | rising                   | eus3369          |
|                                            |                | falling                  | eus3370          |
| 14 plural (by)                             | by 14 (plural) | flat                     | eus3372          |
|                                            |                | rising                   | eus3373          |
|                                            |                | falling                  | eus3374          |
| 15 plural (by)                             | by 15 (plural) | flat                     | eus3376          |
|                                            |                | rising                   | eus3377          |
|                                            |                | falling                  | eus3378          |
| 16 plural (by)                             | by 16 (plural) | flat                     | eus3380          |
|                                            |                | rising                   | eus3381          |
|                                            |                | falling                  | eus3382          |
| 17 plural (by)                             | by 17 (plural) | flat                     | eus3384          |
|                                            |                | rising                   | eus3385          |
|                                            |                | falling                  | eus3386          |

**Basque audio (Sheet 55 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b>  | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|-----------------|--------------------------|------------------|
| 18 plural (by)                             | by 18 (plural)  | flat                     | eus3388          |
|                                            |                 | rising                   | eus3389          |
|                                            |                 | falling                  | eus3390          |
| 19 plural (by)                             | by 19 (plural)  | flat                     | eus3392          |
|                                            |                 | rising                   | eus3393          |
|                                            |                 | falling                  | eus3394          |
| 20 plural (by)                             | by 20 (plural)  | flat                     | eus3396          |
|                                            |                 | rising                   | eus3397          |
|                                            |                 | falling                  | eus3398          |
| 40 plural (by)                             | by 40 (plural)  | flat                     | eus3404          |
|                                            |                 | rising                   | eus3405          |
|                                            |                 | falling                  | eus3406          |
| 60 plural (by)                             | by 60 (plural)  | flat                     | eus3412          |
|                                            |                 | rising                   | eus3413          |
|                                            |                 | falling                  | eus3414          |
| 80 plural (by)                             | by 80 (plural)  | flat                     | eus3420          |
|                                            |                 | rising                   | eus3421          |
|                                            |                 | falling                  | eus3422          |
| 100 plural (by)                            | by 100 (plural) | flat                     | eus3432          |
|                                            |                 | rising                   | eus3433          |
|                                            |                 | falling                  | eus3434          |
| 200 plural (by)                            | by 200 (plural) | flat                     | eus3436          |
|                                            |                 | rising                   | eus3437          |
|                                            |                 | falling                  | eus3438          |
| 300 plural (by)                            | by 300 (plural) | flat                     | eus3440          |
|                                            |                 | rising                   | eus3441          |
|                                            |                 | falling                  | eus3442          |

**Basque audio (Sheet 56 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b>       | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------------|--------------------------|------------------|
| 400 plural (by)                            | by 400 (plural)      | flat                     | eus3444          |
|                                            |                      | rising                   | eus3445          |
|                                            |                      | falling                  | eus3446          |
| 500 plural (by)                            | by 500 (plural)      | flat                     | eus3448          |
|                                            |                      | rising                   | eus3449          |
|                                            |                      | falling                  | eus3450          |
| 600 plural (by)                            | by 600 (plural)      | flat                     | eus3452          |
|                                            |                      | rising                   | eus3453          |
|                                            |                      | falling                  | eus3454          |
| 700 plural (by)                            | by 700 (plural)      | flat                     | eus3456          |
|                                            |                      | rising                   | eus3457          |
|                                            |                      | falling                  | eus3458          |
| 800 plural (by)                            | by 800 (plural)      | flat                     | eus3460          |
|                                            |                      | rising                   | eus3461          |
|                                            |                      | falling                  | eus3462          |
| 900 plural (by)                            | by 900 (plural)      | flat                     | eus3464          |
|                                            |                      | rising                   | eus3465          |
|                                            |                      | falling                  | eus3466          |
| thousand plural (by)                       | by thousand (plural) | flat                     | eus3304          |
|                                            |                      | rising                   | eus3305          |
|                                            |                      | falling                  | eus3306          |
| million plural (by)                        | by million (plural)  | flat                     | eus3544          |
|                                            |                      | rising                   | eus3545          |
|                                            |                      | falling                  | eus3546          |
|                                            | from (plural)        |                          |                  |

**Basque audio (Sheet 57 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b>  | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|-----------------|--------------------------|------------------|
| 0 plural (from)                            | from 0 (plural) | flat                     | eus3600          |
|                                            |                 | rising                   | eus3601          |
|                                            |                 | falling                  | eus3602          |
| 1 plural (from)                            | from 1 (plural) | flat                     | eus3608          |
|                                            |                 | rising                   | eus3609          |
|                                            |                 | falling                  | eus3610          |
| 2 plural (from)                            | from 2 (plural) | flat                     | eus3612          |
|                                            |                 | rising                   | eus3613          |
|                                            |                 | falling                  | eus3614          |
| 3 plural (from)                            | from 3 (plural) | flat                     | eus3616          |
|                                            |                 | rising                   | eus3617          |
|                                            |                 | falling                  | eus3618          |
| 4 plural (from)                            | from 4 (plural) | flat                     | eus3620          |
|                                            |                 | rising                   | eus3621          |
|                                            |                 | falling                  | eus3622          |
| 5 plural (from)                            | from 5 (plural) | flat                     | eus3624          |
|                                            |                 | rising                   | eus3625          |
|                                            |                 | falling                  | eus3626          |
| 6 plural (from)                            | from 6 (plural) | flat                     | eus3628          |
|                                            |                 | rising                   | eus3629          |
|                                            |                 | falling                  | eus3630          |
| 7 plural (from)                            | from 7 (plural) | flat                     | eus3632          |
|                                            |                 | rising                   | eus3633          |
|                                            |                 | falling                  | eus3634          |
| 8 plural (from)                            | from 8 (plural) | flat                     | eus3636          |
|                                            |                 | rising                   | eus3637          |
|                                            |                 | falling                  | eus3638          |

**Basque audio (Sheet 58 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b>   | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|------------------|--------------------------|------------------|
| 9 plural (from)                            | from 9 (plural)  | flat                     | eus3640          |
|                                            |                  | rising                   | eus3641          |
|                                            |                  | falling                  | eus3642          |
| 10 plural (from)                           | from 10 (plural) | flat                     | eus3656          |
|                                            |                  | rising                   | eus3657          |
|                                            |                  | falling                  | eus3658          |
| 11 plural (from)                           | from 11 (plural) | flat                     | eus3660          |
|                                            |                  | rising                   | eus3661          |
|                                            |                  | falling                  | eus3662          |
| 12 plural (from)                           | from 12 (plural) | flat                     | eus3664          |
|                                            |                  | rising                   | eus3665          |
|                                            |                  | falling                  | eus3666          |
| 13 plural (from)                           | from 13 (plural) | flat                     | eus3668          |
|                                            |                  | rising                   | eus3669          |
|                                            |                  | falling                  | eus3670          |
| 14 plural (from)                           | from 14 (plural) | flat                     | eus3672          |
|                                            |                  | rising                   | eus3673          |
|                                            |                  | falling                  | eus3674          |
| 15 plural (from)                           | from 15 (plural) | flat                     | eus3676          |
|                                            |                  | rising                   | eus3677          |
|                                            |                  | falling                  | eus3678          |
| 16 plural (from)                           | from 16 (plural) | flat                     | eus3680          |
|                                            |                  | rising                   | eus3681          |
|                                            |                  | falling                  | eus3682          |
| 17 plural (from)                           | from 17 (plural) | flat                     | eus3684          |
|                                            |                  | rising                   | eus3685          |
|                                            |                  | falling                  | eus3686          |

**Basque audio (Sheet 59 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b>    | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|-------------------|--------------------------|------------------|
| 18 plural (from)                           | from 18 (plural)  | flat                     | eus3688          |
|                                            |                   | rising                   | eus3689          |
|                                            |                   | falling                  | eus3690          |
| 19 plural (from)                           | from 19 (plural)  | flat                     | eus3692          |
|                                            |                   | rising                   | eus3693          |
|                                            |                   | falling                  | eus3694          |
| 20 plural (from)                           | from 20 (plural)  | flat                     | eus3696          |
|                                            |                   | rising                   | eus3697          |
|                                            |                   | falling                  | eus3698          |
| 40 plural (from)                           | from 40 (plural)  | flat                     | eus3704          |
|                                            |                   | rising                   | eus3705          |
|                                            |                   | falling                  | eus3706          |
| 60 plural (from)                           | from 60 (plural)  | flat                     | eus3712          |
|                                            |                   | rising                   | eus3713          |
|                                            |                   | falling                  | eus3714          |
| 80 plural (from)                           | from 80 (plural)  | flat                     | eus3720          |
|                                            |                   | rising                   | eus3721          |
|                                            |                   | falling                  | eus3722          |
| 100 plural (from)                          | from 100 (plural) | flat                     | eus3732          |
|                                            |                   | rising                   | eus3733          |
|                                            |                   | falling                  | eus3734          |
| 200 plural (from)                          | from 200 (plural) | flat                     | eus3736          |
|                                            |                   | rising                   | eus3737          |
|                                            |                   | falling                  | eus3738          |
| 300 plural (from)                          | from 300 (plural) | flat                     | eus3740          |
|                                            |                   | rising                   | eus3741          |
|                                            |                   | falling                  | eus3742          |

**Basque audio (Sheet 60 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|------------------------|--------------------------|------------------|
| 400 plural (from)                          | from 400 (plural)      | flat                     | eus3744          |
|                                            |                        | rising                   | eus3745          |
|                                            |                        | falling                  | eus3746          |
| 500 plural (from)                          | from 500 (plural)      | flat                     | eus3748          |
|                                            |                        | rising                   | eus3749          |
|                                            |                        | falling                  | eus3750          |
| 600 plural (from)                          | from 600 (plural)      | flat                     | eus3752          |
|                                            |                        | rising                   | eus3753          |
|                                            |                        | falling                  | eus3754          |
| 700 plural (from)                          | from 700 (plural)      | flat                     | eus3756          |
|                                            |                        | rising                   | eus3757          |
|                                            |                        | falling                  | eus3758          |
| 800 plural (from)                          | from 800 (plural)      | flat                     | eus3760          |
|                                            |                        | rising                   | eus3761          |
|                                            |                        | falling                  | eus3762          |
| 900 plural (from)                          | from 900 (plural)      | flat                     | eus3764          |
|                                            |                        | rising                   | eus3765          |
|                                            |                        | falling                  | eus3766          |
| thousand plural (from)                     | from thousand (plural) | flat                     | eus3604          |
|                                            |                        | rising                   | eus3605          |
|                                            |                        | falling                  | eus3606          |
| million plural (from)                      | from million (plural)  | flat                     | eus3768          |
|                                            |                        | rising                   | eus3769          |
|                                            |                        | falling                  | eus3770          |
|                                            | numbers (plural)       |                          |                  |

**Basque audio (Sheet 61 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| 0 plural                                   | 0 (plural)     | flat                     | eus3772          |
|                                            |                | rising                   | eus3773          |
|                                            |                | falling                  | eus3774          |
| 1 plural                                   | 1 (plural)     | flat                     | eus3780          |
|                                            |                | rising                   | eus3781          |
|                                            |                | falling                  | eus3782          |
| 2 plural                                   | 2 (plural)     | flat                     | eus3784          |
|                                            |                | rising                   | eus3785          |
|                                            |                | falling                  | eus3786          |
| 3 plural                                   | 3 (plural)     | flat                     | eus3788          |
|                                            |                | rising                   | eus3789          |
|                                            |                | falling                  | eus3790          |
| 4 plural                                   | 4 (plural)     | flat                     | eus3792          |
|                                            |                | rising                   | eus3793          |
|                                            |                | falling                  | eus3794          |
| 5 plural                                   | 5 (plural)     | flat                     | eus3796          |
|                                            |                | rising                   | eus3797          |
|                                            |                | falling                  | eus3798          |
| 6 plural                                   | 6 (plural)     | flat                     | eus3800          |
|                                            |                | rising                   | eus3801          |
|                                            |                | falling                  | eus3802          |
| 7 plural                                   | 7 (plural)     | flat                     | eus3804          |
|                                            |                | rising                   | eus3805          |
|                                            |                | falling                  | eus3806          |
| 8 plural                                   | 8 (plural)     | flat                     | eus3808          |
|                                            |                | rising                   | eus3809          |
|                                            |                | falling                  | eus3810          |



**Basque audio (Sheet 62 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| 9 plural                                   | 9 (plural)     | flat                     | eus3812          |
|                                            |                | rising                   | eus3813          |
|                                            |                | falling                  | eus3814          |
| 10 plural                                  | 10 (plural)    | flat                     | eus3828          |
|                                            |                | rising                   | eus3829          |
|                                            |                | falling                  | eus3830          |
| 11 plural                                  | 11 (plural)    | flat                     | eus3832          |
|                                            |                | rising                   | eus3833          |
|                                            |                | falling                  | eus3834          |
| 12 plural                                  | 12 (plural)    | flat                     | eus3836          |
|                                            |                | rising                   | eus3837          |
|                                            |                | falling                  | eus3838          |
| 13 plural                                  | 13 (plural)    | flat                     | eus3840          |
|                                            |                | rising                   | eus3841          |
|                                            |                | falling                  | eus3842          |
| 14 plural                                  | 14 (plural)    | flat                     | eus3844          |
|                                            |                | rising                   | eus3845          |
|                                            |                | falling                  | eus3846          |
| 15 plural                                  | 15 (plural)    | flat                     | eus3848          |
|                                            |                | rising                   | eus3849          |
|                                            |                | falling                  | eus3850          |
| 16 plural                                  | 16 (plural)    | flat                     | eus3852          |
|                                            |                | rising                   | eus3853          |
|                                            |                | falling                  | eus3854          |
| 17 plural                                  | 17 (plural)    | flat                     | eus3856          |
|                                            |                | rising                   | eus3857          |
|                                            |                | falling                  | eus3858          |

**Basque audio (Sheet 63 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| 18 plural                                  | 18 (plural)    | flat                     | eus3860          |
|                                            |                | rising                   | eus3861          |
|                                            |                | falling                  | eus3862          |
| 19 plural                                  | 19 (plural)    | flat                     | eus3864          |
|                                            |                | rising                   | eus3865          |
|                                            |                | falling                  | eus3866          |
| 20 plural                                  | 20 (plural)    | flat                     | eus3868          |
|                                            |                | rising                   | eus3869          |
|                                            |                | falling                  | eus3870          |
| 40 plural                                  | 40 (plural)    | flat                     | eus3876          |
|                                            |                | rising                   | eus3877          |
|                                            |                | falling                  | eus3878          |
| 60 plural                                  | 60 (plural)    | flat                     | eus3884          |
|                                            |                | rising                   | eus3885          |
|                                            |                | falling                  | eus3886          |
| 80 plural                                  | 80 (plural)    | flat                     | eus3892          |
|                                            |                | rising                   | eus3893          |
|                                            |                | falling                  | eus3894          |
| 100 plural                                 | 100 (plural)   | flat                     | eus3904          |
|                                            |                | rising                   | eus3905          |
|                                            |                | falling                  | eus3906          |
| 200 plural                                 | 200 (plural)   | flat                     | eus3908          |
|                                            |                | rising                   | eus3909          |
|                                            |                | falling                  | eus3910          |
| 300 plural                                 | 300 (plural)   | flat                     | eus3912          |
|                                            |                | rising                   | eus3913          |
|                                            |                | falling                  | eus3914          |

**Basque audio (Sheet 64 of 64)**

| <b>Basque phrase or English equivalent</b> | <b>English</b>    | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|-------------------|--------------------------|------------------|
| 400 plural                                 | 400 (plural)      | flat                     | eus3916          |
|                                            |                   | rising                   | eus3917          |
|                                            |                   | falling                  | eus3918          |
| 500 plural                                 | 500 (plural)      | flat                     | eus3920          |
|                                            |                   | rising                   | eus3921          |
|                                            |                   | falling                  | eus3922          |
| 600 plural                                 | 600 (plural)      | flat                     | eus3924          |
|                                            |                   | rising                   | eus3925          |
|                                            |                   | falling                  | eus3926          |
| 700 plural                                 | 700 (plural)      | flat                     | eus3928          |
|                                            |                   | rising                   | eus3929          |
|                                            |                   | falling                  | eus3930          |
| 800 plural                                 | 800 (plural)      | flat                     | eus3932          |
|                                            |                   | rising                   | eus3933          |
|                                            |                   | falling                  | eus3934          |
| 900 plural                                 | 900 (plural)      | flat                     | eus3936          |
|                                            |                   | rising                   | eus3937          |
|                                            |                   | falling                  | eus3938          |
| thousand plural                            | thousand (plural) | flat                     | eus3776          |
|                                            |                   | rising                   | eus3777          |
|                                            |                   | falling                  | eus3778          |
| million plural                             | million (plural)  | flat                     | eus3940          |
|                                            |                   | rising                   | eus3941          |
|                                            |                   | falling                  | eus3942          |

## Belgian Dutch audio files

**Note 1:** Audio file names bdu508–bdu610 are optional. Only record this audio if you provision the strings functionality on the system.

**Note 2:** Record audio file names bdu1200–bdu1486 only if you provision currency on the system.

**Note 3:** Belgian Dutch does not have a 12-hour format or an equivalent to the English a.m. or p.m. The flexibility of the UAS software allows 12-hour time to be provisioned. Audio file names bdu908–bdu914 are required if you provision the 12-hour functionality on the system.

### Belgian Dutch audio (Sheet 1 of 27)

| Belgian Dutch phrase or English equivalent | English                     | Phrase intonation | File name |
|--------------------------------------------|-----------------------------|-------------------|-----------|
| nul                                        | zero                        | flat              | bdu0      |
|                                            |                             | rising            | bdu1      |
|                                            |                             | falling           | bdu2      |
| e'e'n                                      | one<br>(neutral - counting) | flat              | bdu8      |
|                                            |                             | rising            | bdu9      |
|                                            |                             | falling           | bdu10     |
| twee                                       | two                         | flat              | bdu12     |
|                                            |                             | rising            | bdu13     |
|                                            |                             | falling           | bdu14     |
| drie                                       | three                       | flat              | bdu16     |
|                                            |                             | rising            | bdu17     |
|                                            |                             | falling           | bdu18     |
| vier                                       | four                        | flat              | bdu20     |
|                                            |                             | rising            | bdu21     |
|                                            |                             | falling           | bdu22     |

**Belgian Dutch audio (Sheet 2 of 27)**

| <b>Belgian Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------------|----------------|--------------------------|------------------|
| vijf                                              | five           | flat                     | bdu24            |
|                                                   |                | rising                   | bdu25            |
|                                                   |                | falling                  | bdu26            |
| zes                                               | six            | flat                     | bdu28            |
|                                                   |                | rising                   | bdu29            |
|                                                   |                | falling                  | bdu30            |
| zeven                                             | seven          | flat                     | bdu32            |
|                                                   |                | rising                   | bdu33            |
|                                                   |                | falling                  | bdu34            |
| acht                                              | eight          | flat                     | bdu36            |
|                                                   |                | rising                   | bdu37            |
|                                                   |                | falling                  | bdu38            |
| negen                                             | nine           | flat                     | bdu40            |
|                                                   |                | rising                   | bdu41            |
|                                                   |                | falling                  | bdu42            |
| tien                                              | ten            | flat                     | bdu56            |
|                                                   |                | rising                   | bdu57            |
|                                                   |                | falling                  | bdu58            |
| elf                                               | eleven         | flat                     | bdu60            |
|                                                   |                | rising                   | bdu61            |
|                                                   |                | falling                  | bdu62            |
| twaalf                                            | twelve         | flat                     | bdu64            |
|                                                   |                | rising                   | bdu65            |
|                                                   |                | falling                  | bdu66            |
| dertien                                           | thirteen       | flat                     | bdu68            |
|                                                   |                | rising                   | bdu69            |
|                                                   |                | falling                  | bdu70            |

**Belgian Dutch audio (Sheet 3 of 27)**

| <b>Belgian Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------------|----------------|--------------------------|------------------|
| veertien                                          | fourteen       | flat                     | bdu72            |
|                                                   |                | rising                   | bdu73            |
|                                                   |                | falling                  | bdu74            |
| vijftien                                          | fifteen        | flat                     | bdu76            |
|                                                   |                | rising                   | bdu77            |
|                                                   |                | falling                  | bdu78            |
| zestien                                           | sixteen        | flat                     | bdu80            |
|                                                   |                | rising                   | bdu81            |
|                                                   |                | falling                  | bdu82            |
| zeventien                                         | seventeen      | flat                     | bdu84            |
|                                                   |                | rising                   | bdu85            |
|                                                   |                | falling                  | bdu86            |
| achttien                                          | eighteen       | flat                     | bdu88            |
|                                                   |                | rising                   | bdu89            |
|                                                   |                | falling                  | bdu90            |
| negentien                                         | nineteen       | flat                     | bdu92            |
|                                                   |                | rising                   | bdu93            |
|                                                   |                | falling                  | bdu94            |
| twintig                                           | twenty         | flat                     | bdu96            |
|                                                   |                | rising                   | bdu97            |
|                                                   |                | falling                  | bdu98            |
| dertig                                            | thirty         | flat                     | bdu100           |
|                                                   |                | rising                   | bdu101           |
|                                                   |                | falling                  | bdu102           |
| veertig                                           | forty          | flat                     | bdu104           |
|                                                   |                | rising                   | bdu105           |
|                                                   |                | falling                  | bdu106           |

**Belgian Dutch audio (Sheet 4 of 27)**

| <b>Belgian Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------------|----------------|--------------------------|------------------|
| vijftig                                           | fifty          | flat                     | bdu108           |
|                                                   |                | rising                   | bdu109           |
|                                                   |                | falling                  | bdu110           |
| zestig                                            | sixty          | flat                     | bdu112           |
|                                                   |                | rising                   | bdu113           |
|                                                   |                | falling                  | bdu114           |
| zeventig                                          | seventy        | flat                     | bdu116           |
|                                                   |                | rising                   | bdu117           |
|                                                   |                | falling                  | bdu118           |
| tachtig                                           | eighty         | flat                     | bdu120           |
|                                                   |                | rising                   | bdu121           |
|                                                   |                | falling                  | bdu122           |
| negentig                                          | ninety         | flat                     | bdu124           |
|                                                   |                | rising                   | bdu125           |
|                                                   |                | falling                  | bdu126           |
| honderd                                           | one-hundred    | flat                     | bdu132           |
|                                                   |                | rising                   | bdu133           |
|                                                   |                | falling                  | bdu134           |
| tweehonderd                                       | two-hundred    | flat                     | bdu136           |
|                                                   |                | rising                   | bdu137           |
|                                                   |                | falling                  | bdu138           |
| driehonderd                                       | three-hundred  | flat                     | bdu140           |
|                                                   |                | rising                   | bdu141           |
|                                                   |                | falling                  | bdu142           |
| vierhonderd                                       | four-hundred   | flat                     | bdu144           |
|                                                   |                | rising                   | bdu145           |
|                                                   |                | falling                  | bdu146           |

**Belgian Dutch audio (Sheet 5 of 27)**

| <b>Belgian Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------------|----------------|--------------------------|------------------|
| vijfhonderd                                       | five-hundred   | flat                     | bdu148           |
|                                                   |                | rising                   | bdu149           |
|                                                   |                | falling                  | bdu150           |
| zeshonderd                                        | six-hundred    | flat                     | bdu152           |
|                                                   |                | rising                   | bdu153           |
|                                                   |                | falling                  | bdu154           |
| zevenhonderd                                      | seven-hundred  | flat                     | bdu156           |
|                                                   |                | rising                   | bdu157           |
|                                                   |                | falling                  | bdu158           |
| achthonderd                                       | eight-hundred  | flat                     | bdu160           |
|                                                   |                | rising                   | bdu161           |
|                                                   |                | falling                  | bdu162           |
| negenhonderd                                      | nine-hundred   | flat                     | bdu164           |
|                                                   |                | rising                   | bdu165           |
|                                                   |                | falling                  | bdu166           |
| duizend                                           | thousand       | flat                     | bdu496           |
|                                                   |                | rising                   | bdu497           |
|                                                   |                | falling                  | bdu498           |
| duizend                                           | one-thousand   | flat                     | bdu172           |
|                                                   |                | rising                   | bdu173           |
|                                                   |                | falling                  | bdu174           |
| tweeduizend                                       | two-thousand   | flat                     | bdu176           |
|                                                   |                | rising                   | bdu177           |
|                                                   |                | falling                  | bdu178           |
| drieduizend                                       | three-thousand | flat                     | bdu180           |
|                                                   |                | rising                   | bdu181           |
|                                                   |                | falling                  | bdu182           |



**Belgian Dutch audio (Sheet 6 of 27)**

| <b>Belgian Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------------|----------------|--------------------------|------------------|
| vierduizend                                       | four-thousand  | flat                     | bdu184           |
|                                                   |                | rising                   | bdu185           |
|                                                   |                | falling                  | bdu186           |
| vijfduizend                                       | five-thousand  | flat                     | bdu188           |
|                                                   |                | rising                   | bdu189           |
|                                                   |                | falling                  | bdu190           |
| zesduizend                                        | six-thousand   | flat                     | bdu192           |
|                                                   |                | rising                   | bdu193           |
|                                                   |                | falling                  | bdu194           |
| zevenduizend                                      | seven-thousand | flat                     | bdu196           |
|                                                   |                | rising                   | bdu197           |
|                                                   |                | falling                  | bdu198           |
| achtduizend                                       | eight-thousand | flat                     | bdu200           |
|                                                   |                | rising                   | bdu201           |
|                                                   |                | falling                  | bdu202           |
| negenduizend                                      | nine-thousand  | flat                     | bdu204           |
|                                                   |                | rising                   | bdu205           |
|                                                   |                | falling                  | bdu206           |
| miljoen                                           | million        | flat                     | bdu500           |
|                                                   |                | rising                   | bdu501           |
|                                                   |                | falling                  | bdu502           |
| biljoen/miljard                                   | billion        | flat                     | bdu504           |
|                                                   |                | rising                   | bdu505           |
|                                                   |                | falling                  | bdu506           |
| eenen                                             | “1 and”        | flat                     | bdu1508          |
|                                                   |                | rising                   | bdu1509          |
|                                                   |                | falling                  | bdu1510          |

**Belgian Dutch audio (Sheet 7 of 27)**

| <b>Belgian Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------------|----------------|--------------------------|------------------|
| tweeen                                            | “2 and”        | flat                     | bdu1512          |
|                                                   |                | rising                   | bdu1513          |
|                                                   |                | falling                  | bdu1514          |
| drieen                                            | “3 and”        | flat                     | bdu1516          |
|                                                   |                | rising                   | bdu1517          |
|                                                   |                | falling                  | bdu1518          |
| vieren                                            | “4 and”        | flat                     | bdu1520          |
|                                                   |                | rising                   | bdu1521          |
|                                                   |                | falling                  | bdu1522          |
| vijfen                                            | “5 and”        | flat                     | bdu1524          |
|                                                   |                | rising                   | bdu1525          |
|                                                   |                | falling                  | bdu1526          |
| zesen                                             | “6 and”        | flat                     | bdu1528          |
|                                                   |                | rising                   | bdu1529          |
|                                                   |                | falling                  | bdu1530          |
| zevenen                                           | “7 and”        | flat                     | bdu1532          |
|                                                   |                | rising                   | bdu1533          |
|                                                   |                | falling                  | bdu1534          |
| achten                                            | “8 and”        | flat                     | bdu1536          |
|                                                   |                | rising                   | bdu1537          |
|                                                   |                | falling                  | bdu1538          |
| negenen                                           | “9 and”        | flat                     | bdu1540          |
|                                                   |                | rising                   | bdu1541          |
|                                                   |                | falling                  | bdu1542          |
| optional                                          | a              | flat                     | bdu508           |
|                                                   |                | rising                   | bdu509           |
|                                                   |                | falling                  | bdu510           |

**Belgian Dutch audio (Sheet 8 of 27)**

| <b>Belgian Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------------|----------------|--------------------------|------------------|
| optional                                          | b              | flat                     | bdu512           |
|                                                   |                | rising                   | bdu513           |
|                                                   |                | falling                  | bdu514           |
| optional                                          | c              | flat                     | bdu516           |
|                                                   |                | rising                   | bdu517           |
|                                                   |                | falling                  | bdu518           |
| optional                                          | d              | flat                     | bdu520           |
|                                                   |                | rising                   | bdu521           |
|                                                   |                | falling                  | bdu522           |
| optional                                          | e              | flat                     | bdu524           |
|                                                   |                | rising                   | bdu525           |
|                                                   |                | falling                  | bdu526           |
| optional                                          | f              | flat                     | bdu528           |
|                                                   |                | rising                   | bdu529           |
|                                                   |                | falling                  | bdu530           |
| optional                                          | g              | flat                     | bdu532           |
|                                                   |                | rising                   | bdu533           |
|                                                   |                | falling                  | bdu534           |
| optional                                          | h              | flat                     | bdu536           |
|                                                   |                | rising                   | bdu537           |
|                                                   |                | falling                  | bdu538           |
| optional                                          | i              | flat                     | bdu540           |
|                                                   |                | rising                   | bdu541           |
|                                                   |                | falling                  | bdu542           |
| optional                                          | j              | flat                     | bdu544           |
|                                                   |                | rising                   | bdu545           |
|                                                   |                | falling                  | bdu546           |

**Belgian Dutch audio (Sheet 9 of 27)**

| <b>Belgian Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------------|----------------|--------------------------|------------------|
| optional                                          | k              | flat                     | bdu548           |
|                                                   |                | rising                   | bdu549           |
|                                                   |                | falling                  | bdu550           |
| optional                                          | l              | flat                     | bdu552           |
|                                                   |                | rising                   | bdu553           |
|                                                   |                | falling                  | bdu554           |
| optional                                          | m              | flat                     | bdu556           |
|                                                   |                | rising                   | bdu557           |
|                                                   |                | falling                  | bdu558           |
| optional                                          | n              | flat                     | bdu560           |
|                                                   |                | rising                   | bdu561           |
|                                                   |                | falling                  | bdu562           |
| optional                                          | o              | flat                     | bdu564           |
|                                                   |                | rising                   | bdu565           |
|                                                   |                | falling                  | bdu566           |
| optional                                          | p              | flat                     | bdu568           |
|                                                   |                | rising                   | bdu569           |
|                                                   |                | falling                  | bdu570           |
| optional                                          | q              | flat                     | bdu572           |
|                                                   |                | rising                   | bdu573           |
|                                                   |                | falling                  | bdu574           |
| optional                                          | r              | flat                     | bdu576           |
|                                                   |                | rising                   | bdu577           |
|                                                   |                | falling                  | bdu578           |
| optional                                          | s              | flat                     | bdu580           |
|                                                   |                | rising                   | bdu581           |
|                                                   |                | falling                  | bdu582           |

**Belgian Dutch audio (Sheet 10 of 27)**

| <b>Belgian Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------------|----------------|--------------------------|------------------|
| optional                                          | t              | flat                     | bdu584           |
|                                                   |                | rising                   | bdu585           |
|                                                   |                | falling                  | bdu586           |
| optional                                          | u              | flat                     | bdu588           |
|                                                   |                | rising                   | bdu589           |
|                                                   |                | falling                  | bdu590           |
| optional                                          | v              | flat                     | bdu592           |
|                                                   |                | rising                   | bdu593           |
|                                                   |                | falling                  | bdu594           |
| optional                                          | w              | flat                     | bdu596           |
|                                                   |                | rising                   | bdu597           |
|                                                   |                | falling                  | bdu598           |
| optional                                          | x              | flat                     | bdu600           |
|                                                   |                | rising                   | bdu601           |
|                                                   |                | falling                  | bdu602           |
| optional                                          | y              | flat                     | bdu604           |
|                                                   |                | rising                   | bdu605           |
|                                                   |                | falling                  | bdu606           |
| optional                                          | z              | flat                     | bdu608           |
|                                                   |                | rising                   | bdu609           |
|                                                   |                | falling                  | bdu610           |
| negatief                                          | negative       | flat                     | bdu616           |
|                                                   |                | rising                   | bdu617           |
|                                                   |                | falling                  | bdu618           |
| en                                                | and            | flat                     | bdu620           |
|                                                   |                | rising                   | bdu621           |
|                                                   |                | falling                  | bdu622           |

**Belgian Dutch audio (Sheet 11 of 27)**

| <b>Belgian Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------------|----------------|--------------------------|------------------|
| uur                                               | hour           | flat                     | bdu624           |
|                                                   |                | rising                   | bdu625           |
|                                                   |                | falling                  | bdu626           |
| ren                                               | hours          | flat                     | bdu628           |
|                                                   |                | rising                   | bdu629           |
|                                                   |                | falling                  | bdu630           |
| minuut                                            | minute         | flat                     | bdu632           |
|                                                   |                | rising                   | bdu633           |
|                                                   |                | falling                  | bdu634           |
| minuten                                           | minutes        | flat                     | bdu636           |
|                                                   |                | rising                   | bdu637           |
|                                                   |                | falling                  | bdu638           |
| seconde                                           | second         | flat                     | bdu640           |
|                                                   |                | rising                   | bdu641           |
|                                                   |                | falling                  | bdu642           |
| seconden                                          | seconds        | flat                     | bdu644           |
|                                                   |                | rising                   | bdu645           |
|                                                   |                | falling                  | bdu646           |
| januari                                           | January        | flat                     | bdu648           |
|                                                   |                | rising                   | bdu649           |
|                                                   |                | falling                  | bdu650           |
| februari                                          | February       | flat                     | bdu652           |
|                                                   |                | rising                   | bdu653           |
|                                                   |                | falling                  | bdu654           |
| maart                                             | March          | flat                     | bdu656           |
|                                                   |                | rising                   | bdu657           |
|                                                   |                | falling                  | bdu658           |

**Belgian Dutch audio (Sheet 12 of 27)**

| <b>Belgian Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------------|----------------|--------------------------|------------------|
| april                                             | April          | flat                     | bdu660           |
|                                                   |                | rising                   | bdu661           |
|                                                   |                | falling                  | bdu662           |
| mei                                               | May            | flat                     | bdu664           |
|                                                   |                | rising                   | bdu665           |
|                                                   |                | falling                  | bdu666           |
| juni                                              | June           | flat                     | bdu668           |
|                                                   |                | rising                   | bdu669           |
|                                                   |                | falling                  | bdu670           |
| juli                                              | July           | flat                     | bdu672           |
|                                                   |                | rising                   | bdu673           |
|                                                   |                | falling                  | bdu674           |
| augustus                                          | August         | flat                     | bdu676           |
|                                                   |                | rising                   | bdu677           |
|                                                   |                | falling                  | bdu678           |
| september                                         | September      | flat                     | bdu680           |
|                                                   |                | rising                   | bdu681           |
|                                                   |                | falling                  | bdu682           |
| oktober                                           | October        | flat                     | bdu684           |
|                                                   |                | rising                   | bdu685           |
|                                                   |                | falling                  | bdu686           |
| november                                          | November       | flat                     | bdu688           |
|                                                   |                | rising                   | bdu689           |
|                                                   |                | falling                  | bdu690           |
| december                                          | December       | flat                     | bdu692           |
|                                                   |                | rising                   | bdu693           |
|                                                   |                | falling                  | bdu694           |

**Belgian Dutch audio (Sheet 13 of 27)**

| <b>Belgian Dutch phrase or English equivalent</b> | <b>English</b>  | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------------|-----------------|--------------------------|------------------|
| zondag                                            | Sunday          | flat                     | bdu696           |
|                                                   |                 | rising                   | bdu697           |
|                                                   |                 | falling                  | bdu698           |
| manndag                                           | Monday          | flat                     | bdu700           |
|                                                   |                 | rising                   | bdu701           |
|                                                   |                 | falling                  | bdu702           |
| dinsdag                                           | Tuesday         | flat                     | bdu704           |
|                                                   |                 | rising                   | bdu705           |
|                                                   |                 | falling                  | bdu706           |
| woensdag                                          | Wednesday       | flat                     | bdu708           |
|                                                   |                 | rising                   | bdu709           |
|                                                   |                 | falling                  | bdu710           |
| donderdag                                         | Thursday        | flat                     | bdu712           |
|                                                   |                 | rising                   | bdu713           |
|                                                   |                 | falling                  | bdu714           |
| vrijdag                                           | Friday          | flat                     | bdu716           |
|                                                   |                 | rising                   | bdu717           |
|                                                   |                 | falling                  | bdu718           |
| zaterdag                                          | Saturday        | flat                     | bdu720           |
|                                                   |                 | rising                   | bdu721           |
|                                                   |                 | falling                  | bdu722           |
| eerste                                            | first<br>(masc) | flat                     | bdu728           |
|                                                   |                 | rising                   | bdu729           |
|                                                   |                 | falling                  | bdu730           |
| tweede                                            | second          | flat                     | bdu732           |
|                                                   |                 | rising                   | bdu733           |
|                                                   |                 | falling                  | bdu734           |



**Belgian Dutch audio (Sheet 14 of 27)**

| <b>Belgian Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------------|----------------|--------------------------|------------------|
| derde                                             | third          | flat                     | bdu736           |
|                                                   |                | rising                   | bdu737           |
|                                                   |                | falling                  | bdu738           |
| vierde                                            | fourth         | flat                     | bdu740           |
|                                                   |                | rising                   | bdu741           |
|                                                   |                | falling                  | bdu742           |
| vijfde                                            | fifth          | flat                     | bdu744           |
|                                                   |                | rising                   | bdu745           |
|                                                   |                | falling                  | bdu746           |
| zesde                                             | sixth          | flat                     | bdu748           |
|                                                   |                | rising                   | bdu749           |
|                                                   |                | falling                  | bdu750           |
| zevende                                           | seventh        | flat                     | bdu752           |
|                                                   |                | rising                   | bdu753           |
|                                                   |                | falling                  | bdu754           |
| achtste                                           | eighth         | flat                     | bdu756           |
|                                                   |                | rising                   | bdu757           |
|                                                   |                | falling                  | bdu758           |
| negende                                           | ninth          | flat                     | bdu760           |
|                                                   |                | rising                   | bdu761           |
|                                                   |                | falling                  | bdu762           |
| tiende                                            | tenth          | flat                     | bdu764           |
|                                                   |                | rising                   | bdu765           |
|                                                   |                | falling                  | bdu766           |
| elfde                                             | eleventh       | flat                     | bdu768           |
|                                                   |                | rising                   | bdu769           |
|                                                   |                | falling                  | bdu770           |

**Belgian Dutch audio (Sheet 15 of 27)**

| <b>Belgian Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------------|----------------|--------------------------|------------------|
| twaalfde                                          | twelfth        | flat                     | bdu772           |
|                                                   |                | rising                   | bdu773           |
|                                                   |                | falling                  | bdu774           |
| dertiede                                          | thirteenth     | flat                     | bdu776           |
|                                                   |                | rising                   | bdu777           |
|                                                   |                | falling                  | bdu778           |
| veertiende                                        | fourteenth     | flat                     | bdu780           |
|                                                   |                | rising                   | bdu781           |
|                                                   |                | falling                  | bdu782           |
| vijftiede                                         | fifteenth      | flat                     | bdu784           |
|                                                   |                | rising                   | bdu785           |
|                                                   |                | falling                  | bdu786           |
| zestiende                                         | sixteenth      | flat                     | bdu788           |
|                                                   |                | rising                   | bdu789           |
|                                                   |                | falling                  | bdu790           |
| zeventiende                                       | seventeenth    | flat                     | bdu792           |
|                                                   |                | rising                   | bdu793           |
|                                                   |                | falling                  | bdu794           |
| achttiende                                        | eighteenth     | flat                     | bdu796           |
|                                                   |                | rising                   | bdu797           |
|                                                   |                | falling                  | bdu798           |
| negentiende                                       | nineteenth     | flat                     | bdu800           |
|                                                   |                | rising                   | bdu801           |
|                                                   |                | falling                  | bdu802           |
| twintigste                                        | twentieth      | flat                     | bdu804           |
|                                                   |                | rising                   | bdu805           |
|                                                   |                | falling                  | bdu806           |

**Belgian Dutch audio (Sheet 16 of 27)**

| <b>Belgian Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------------|----------------|--------------------------|------------------|
| dertigste                                         | thirtieth      | flat                     | bdu808           |
|                                                   |                | rising                   | bdu809           |
|                                                   |                | falling                  | bdu810           |
| veertigste                                        | fortieth       | flat                     | bdu812           |
|                                                   |                | rising                   | bdu813           |
|                                                   |                | falling                  | bdu814           |
| vijftigste                                        | fiftieth       | flat                     | bdu816           |
|                                                   |                | rising                   | bdu817           |
|                                                   |                | falling                  | bdu818           |
| zestigste                                         | sixtieth       | flat                     | bdu820           |
|                                                   |                | rising                   | bdu821           |
|                                                   |                | falling                  | bdu822           |
| zeventigste                                       | seventieth     | flat                     | bdu824           |
|                                                   |                | rising                   | bdu825           |
|                                                   |                | falling                  | bdu826           |
| tachtigste                                        | eightieth      | flat                     | bdu828           |
|                                                   |                | rising                   | bdu829           |
|                                                   |                | falling                  | bdu830           |
| negentigste                                       | ninetieth      | flat                     | bdu832           |
|                                                   |                | rising                   | bdu833           |
|                                                   |                | falling                  | bdu834           |
| honderdste                                        | one-hundredth  | flat                     | bdu836           |
|                                                   |                | rising                   | bdu837           |
|                                                   |                | falling                  | bdu838           |
| tweehonderdste                                    | two-hundredth  | flat                     | bdu840           |
|                                                   |                | rising                   | bdu841           |
|                                                   |                | falling                  | bdu842           |

**Belgian Dutch audio (Sheet 17 of 27)**

| <b>Belgian Dutch phrase or English equivalent</b> | <b>English</b>  | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------------|-----------------|--------------------------|------------------|
| driehonderdste                                    | three-hundredth | flat                     | bdu844           |
|                                                   |                 | rising                   | bdu845           |
|                                                   |                 | falling                  | bdu846           |
| vierhonderdste                                    | four-hundredth  | flat                     | bdu848           |
|                                                   |                 | rising                   | bdu849           |
|                                                   |                 | falling                  | bdu850           |
| vijfhonderdste                                    | five-hundredth  | flat                     | bdu852           |
|                                                   |                 | rising                   | bdu853           |
|                                                   |                 | falling                  | bdu854           |
| zeshonderdste                                     | six-hundredth   | flat                     | bdu856           |
|                                                   |                 | rising                   | bdu857           |
|                                                   |                 | falling                  | bdu858           |
| zevenhonderdste                                   | seven-hundredth | flat                     | bdu860           |
|                                                   |                 | rising                   | bdu861           |
|                                                   |                 | falling                  | bdu862           |
| achthonderdste                                    | eight-hundredth | flat                     | bdu864           |
|                                                   |                 | rising                   | bdu865           |
|                                                   |                 | falling                  | bdu866           |
| negenhonderdste                                   | nine-hundredth  | flat                     | bdu868           |
|                                                   |                 | rising                   | bdu869           |
|                                                   |                 | falling                  | bdu870           |
| duizendste                                        | thousandth      | flat                     | bdu872           |
|                                                   |                 | rising                   | bdu873           |
|                                                   |                 | falling                  | bdu874           |
| duizend                                           | one-thousandth  | flat                     | bdu1548          |
|                                                   |                 | rising                   | bdu1549          |
|                                                   |                 | falling                  | bdu1550          |

**Belgian Dutch audio (Sheet 18 of 27)**

| <b>Belgian Dutch phrase or English equivalent</b> | <b>English</b>   | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------------|------------------|--------------------------|------------------|
| tweeduizend                                       | two-thousandth   | flat                     | bdu1552          |
|                                                   |                  | rising                   | bdu1553          |
|                                                   |                  | falling                  | bdu1554          |
| drieduizend                                       | three-thousandth | flat                     | bdu1556          |
|                                                   |                  | rising                   | bdu1557          |
|                                                   |                  | falling                  | bdu1558          |
| vierduizend                                       | four-thousandth  | flat                     | bdu1560          |
|                                                   |                  | rising                   | bdu1561          |
|                                                   |                  | falling                  | bdu1562          |
| vijfduizend                                       | five-thousandth  | flat                     | bdu1564          |
|                                                   |                  | rising                   | bdu1565          |
|                                                   |                  | falling                  | bdu1566          |
| szesduizend                                       | six-thousandth   | flat                     | bdu1568          |
|                                                   |                  | rising                   | bdu1569          |
|                                                   |                  | falling                  | bdu1570          |
| zevenduizend                                      | seven-thousandth | flat                     | bdu1572          |
|                                                   |                  | rising                   | bdu1573          |
|                                                   |                  | falling                  | bdu1574          |
| achtduizend                                       | eight-thousandth | flat                     | bdu1576          |
|                                                   |                  | rising                   | bdu1577          |
|                                                   |                  | falling                  | bdu1578          |
| negenduizend                                      | nine-thousandth  | flat                     | bdu1580          |
|                                                   |                  | rising                   | bdu1581          |
|                                                   |                  | falling                  | bdu1582          |
| miljoenste                                        | millionth        | flat                     | bdu880           |
|                                                   |                  | rising                   | bdu881           |
|                                                   |                  | falling                  | bdu882           |

**Belgian Dutch audio (Sheet 19 of 27)**

| <b>Belgian Dutch phrase or English equivalent</b> | <b>English</b>    | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------------|-------------------|--------------------------|------------------|
| miljardste                                        | billionth         | flat                     | bdu888           |
|                                                   |                   | rising                   | bdu889           |
|                                                   |                   | falling                  | bdu890           |
| pond                                              | pound sign<br>(#) | flat                     | bdu896           |
|                                                   |                   | rising                   | bdu897           |
|                                                   |                   | falling                  | bdu898           |
| ster                                              | asterisk<br>(*)   | flat                     | bdu900           |
|                                                   |                   | rising                   | bdu901           |
|                                                   |                   | falling                  | bdu902           |
| a.m.                                              | a.m.              | flat                     | bdu908           |
|                                                   |                   | rising                   | bdu909           |
|                                                   |                   | falling                  | bdu910           |
| p.m.                                              | p.m.              | flat                     | bdu912           |
|                                                   |                   | rising                   | bdu913           |
|                                                   |                   | falling                  | bdu914           |
| Dollar                                            | dollar<br>(US)    | flat                     | bdu1200          |
|                                                   |                   | rising                   | bdu1201          |
|                                                   |                   | falling                  | bdu1202          |
| Dollars                                           | dollars<br>(US)   | flat                     | bdu1204          |
|                                                   |                   | rising                   | bdu1205          |
|                                                   |                   | falling                  | bdu1206          |
| Cent                                              | cent<br>(US)      | flat                     | bdu1208          |
|                                                   |                   | rising                   | bdu1209          |
|                                                   |                   | falling                  | bdu1210          |
| Cents                                             | cents<br>(US)     | flat                     | bdu1212          |
|                                                   |                   | rising                   | bdu1213          |
|                                                   |                   | falling                  | bdu1214          |

**Belgian Dutch audio (Sheet 20 of 27)**

| <b>Belgian Dutch phrase or English equivalent</b> | <b>English</b>           | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------------|--------------------------|--------------------------|------------------|
| mark                                              | mark<br>(Germany)        | flat                     | bdu1216          |
|                                                   |                          | rising                   | bdu1217          |
|                                                   |                          | falling                  | bdu1218          |
| marks                                             | marks<br>(Germany)       | flat                     | bdu1220          |
|                                                   |                          | rising                   | bdu1221          |
|                                                   |                          | falling                  | bdu1222          |
| pfennig                                           | pfennig<br>(Germany)     | flat                     | bdu1224          |
|                                                   |                          | rising                   | bdu1225          |
|                                                   |                          | falling                  | bdu1226          |
| pfennigs                                          | pfennigs<br>(Germany)    | flat                     | bdu1228          |
|                                                   |                          | rising                   | bdu1229          |
|                                                   |                          | falling                  | bdu1230          |
| yen                                               | yen<br>(Japan)           | flat                     | bdu1232          |
|                                                   |                          | rising                   | bdu1233          |
|                                                   |                          | falling                  | bdu1234          |
| yens                                              | yens<br>(Japan)          | flat                     | bdu1236          |
|                                                   |                          | rising                   | bdu1237          |
|                                                   |                          | falling                  | bdu1238          |
| lira                                              | lira<br>(Italy)          | flat                     | bdu1240          |
|                                                   |                          | rising                   | bdu1241          |
|                                                   |                          | falling                  | bdu1242          |
| lire                                              | liras<br>(Italy)         | flat                     | bdu1244          |
|                                                   |                          | rising                   | bdu1245          |
|                                                   |                          | falling                  | bdu1246          |
| guilder                                           | guilder<br>(Netherlands) | flat                     | bdu1248          |
|                                                   |                          | rising                   | bdu1249          |
|                                                   |                          | falling                  | bdu1250          |

**Belgian Dutch audio (Sheet 21 of 27)**

| <b>Belgian Dutch phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------------|---------------------------|--------------------------|------------------|
| guilders                                          | guilders<br>(Netherlands) | flat                     | bdu1252          |
|                                                   |                           | rising                   | bdu1253          |
|                                                   |                           | falling                  | bdu1254          |
| cent                                              | cent<br>(Netherlands)     | flat                     | bdu1256          |
|                                                   |                           | rising                   | bdu1257          |
|                                                   |                           | falling                  | bdu1258          |
| cent                                              | cents<br>(Netherlands)    | flat                     | bdu1260          |
|                                                   |                           | rising                   | bdu1261          |
|                                                   |                           | falling                  | bdu1262          |
| pound                                             | pound<br>(UK)             | flat                     | bdu1264          |
|                                                   |                           | rising                   | bdu1265          |
|                                                   |                           | falling                  | bdu1266          |
| pounds                                            | pounds<br>(UK)            | flat                     | bdu1268          |
|                                                   |                           | rising                   | bdu1269          |
|                                                   |                           | falling                  | bdu1270          |
| penny                                             | penny<br>(UK)             | flat                     | bdu1272          |
|                                                   |                           | rising                   | bdu1273          |
|                                                   |                           | falling                  | bdu1274          |
| pence                                             | pence<br>(UK)             | flat                     | bdu1276          |
|                                                   |                           | rising                   | bdu1277          |
|                                                   |                           | falling                  | bdu1278          |
| euro                                              | euro<br>(Euro)            | flat                     | bdu1280          |
|                                                   |                           | rising                   | bdu1281          |
|                                                   |                           | falling                  | bdu1282          |
| euros                                             | euros<br>(Euro)           | flat                     | bdu1284          |
|                                                   |                           | rising                   | bdu1285          |
|                                                   |                           | falling                  | bdu1286          |



**Belgian Dutch audio (Sheet 22 of 27)**

| <b>Belgian Dutch phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------------|-----------------------|--------------------------|------------------|
| eurocent                                          | eurocent<br>(Euro)    | flat                     | bdu1288          |
|                                                   |                       | rising                   | bdu1289          |
|                                                   |                       | falling                  | bdu1290          |
| eurocents                                         | eurocents<br>(Euro)   | flat                     | bdu1292          |
|                                                   |                       | rising                   | bdu1293          |
|                                                   |                       | falling                  | bdu1294          |
| franc                                             | franc<br>(France)     | flat                     | bdu1296          |
|                                                   |                       | rising                   | bdu1297          |
|                                                   |                       | falling                  | bdu1298          |
| francs                                            | francs<br>(France)    | flat                     | bdu1300          |
|                                                   |                       | rising                   | bdu1301          |
|                                                   |                       | falling                  | bdu1302          |
| centime                                           | centime<br>(France)   | flat                     | bdu1304          |
|                                                   |                       | rising                   | bdu1305          |
|                                                   |                       | falling                  | bdu1306          |
| centimes                                          | centimes<br>(France)  | flat                     | bdu1308          |
|                                                   |                       | rising                   | bdu1309          |
|                                                   |                       | falling                  | bdu1310          |
| peseta                                            | peseta<br>(Spain)     | flat                     | bdu1312          |
|                                                   |                       | rising                   | bdu1313          |
|                                                   |                       | falling                  | bdu1314          |
| pesetas                                           | pesetas<br>(Spain)    | flat                     | bdu1316          |
|                                                   |                       | rising                   | bdu1317          |
|                                                   |                       | falling                  | bdu1318          |
| peso                                              | peso<br>(Philippines) | flat                     | bdu1328          |
|                                                   |                       | rising                   | bdu1329          |
|                                                   |                       | falling                  | bdu1330          |

**Belgian Dutch audio (Sheet 23 of 27)**

| <b>Belgian Dutch phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------------|---------------------------|--------------------------|------------------|
| pesos                                             | pesos<br>(Philippines)    | flat                     | bdu1332          |
|                                                   |                           | rising                   | bdu1333          |
|                                                   |                           | falling                  | bdu1334          |
| centavo                                           | centavo<br>(Philippines)  | flat                     | bdu1336          |
|                                                   |                           | rising                   | bdu1337          |
|                                                   |                           | falling                  | bdu1338          |
| centavos                                          | centavos<br>(Philippines) | flat                     | bdu1340          |
|                                                   |                           | rising                   | bdu1341          |
|                                                   |                           | falling                  | bdu1342          |
| ringgit                                           | ringgit<br>(Malaysia)     | flat                     | bdu1344          |
|                                                   |                           | rising                   | bdu1345          |
|                                                   |                           | falling                  | bdu1346          |
| ringgits                                          | ringgits<br>(Malaysia)    | flat                     | bdu1348          |
|                                                   |                           | rising                   | bdu1349          |
|                                                   |                           | falling                  | bdu1350          |
| sen                                               | sen<br>(Malaysia)         | flat                     | bdu1352          |
|                                                   |                           | rising                   | bdu1353          |
|                                                   |                           | falling                  | bdu1354          |
| sens                                              | sens<br>(Malaysia)        | flat                     | bdu1356          |
|                                                   |                           | rising                   | bdu1357          |
|                                                   |                           | falling                  | bdu1358          |
| baht                                              | baht<br>(Thailand)        | flat                     | bdu1360          |
|                                                   |                           | rising                   | bdu1361          |
|                                                   |                           | falling                  | bdu1362          |
| bahts                                             | bahts<br>(Thailand)       | flat                     | bdu1364          |
|                                                   |                           | rising                   | bdu1365          |
|                                                   |                           | falling                  | bdu1366          |

**Belgian Dutch audio (Sheet 24 of 27)**

| <b>Belgian Dutch phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------------|-----------------------|--------------------------|------------------|
| satang                                            | satang<br>(Thailand)  | flat                     | bdu1368          |
|                                                   |                       | rising                   | bdu1369          |
|                                                   |                       | falling                  | bdu1370          |
| satangs                                           | satangs<br>(Thailand) | flat                     | bdu1372          |
|                                                   |                       | rising                   | bdu1373          |
|                                                   |                       | falling                  | bdu1374          |
| won                                               | won<br>(Korea)        | flat                     | bdu1376          |
|                                                   |                       | rising                   | bdu1377          |
|                                                   |                       | falling                  | bdu1378          |
| wons                                              | wons<br>(Korea)       | flat                     | bdu1380          |
|                                                   |                       | rising                   | bdu1381          |
|                                                   |                       | falling                  | bdu1382          |
| franc                                             | franc<br>(Belgium)    | flat                     | bdu1384          |
|                                                   |                       | rising                   | bdu1385          |
|                                                   |                       | falling                  | bdu1386          |
| francs                                            | francs<br>(Belgium)   | flat                     | bdu1388          |
|                                                   |                       | rising                   | bdu1389          |
|                                                   |                       | falling                  | bdu1390          |
| centime                                           | centime<br>(Belgium)  | flat                     | bdu1392          |
|                                                   |                       | rising                   | bdu1393          |
|                                                   |                       | falling                  | bdu1394          |
| centimes                                          | centimes<br>(Belgium) | flat                     | bdu1396          |
|                                                   |                       | rising                   | bdu1397          |
|                                                   |                       | falling                  | bdu1398          |
| dollar                                            | dollar<br>(Canada)    | flat                     | bdu1400          |
|                                                   |                       | rising                   | bdu1401          |
|                                                   |                       | falling                  | bdu1402          |

**Belgian Dutch audio (Sheet 25 of 27)**

| <b>Belgian Dutch phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------------|------------------------|--------------------------|------------------|
| dollars                                           | dollars<br>(Canada)    | flat                     | bdu1404          |
|                                                   |                        | rising                   | bdu1405          |
|                                                   |                        | falling                  | bdu1406          |
| cent                                              | cent<br>(Canada)       | flat                     | bdu1408          |
|                                                   |                        | rising                   | bdu1409          |
|                                                   |                        | falling                  | bdu1410          |
| cents                                             | cents<br>(Canada)      | flat                     | bdu1412          |
|                                                   |                        | rising                   | bdu1413          |
|                                                   |                        | falling                  | bdu1414          |
| dollar                                            | dollar<br>(Hong Kong)  | flat                     | bdu1416          |
|                                                   |                        | rising                   | bdu1417          |
|                                                   |                        | falling                  | bdu1418          |
| dollars                                           | dollars<br>(Hong Kong) | flat                     | bdu1420          |
|                                                   |                        | rising                   | bdu1421          |
|                                                   |                        | falling                  | bdu1422          |
| cent                                              | cent<br>(Hong Kong)    | flat                     | bdu1424          |
|                                                   |                        | rising                   | bdu1425          |
|                                                   |                        | falling                  | bdu1426          |
| cents                                             | cents<br>(Hong Kong)   | flat                     | bdu1428          |
|                                                   |                        | rising                   | bdu1429          |
|                                                   |                        | falling                  | bdu1430          |
| Gok                                               | gok<br>(Hong Kong)     | flat                     | bdu1488          |
|                                                   |                        | rising                   | bdu1489          |
|                                                   |                        | falling                  | bdu1490          |
| Goks                                              | goks<br>(Hong Kong)    | flat                     | bdu1492          |
|                                                   |                        | rising                   | bdu1493          |
|                                                   |                        | falling                  | bdu1494          |

**Belgian Dutch audio (Sheet 26 of 27)**

| <b>Belgian Dutch phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------------|------------------------|--------------------------|------------------|
| escudo                                            | escudo<br>(Portugal)   | flat                     | bdu1432          |
|                                                   |                        | rising                   | bdu1433          |
|                                                   |                        | falling                  | bdu1434          |
| escudos                                           | escudos<br>(Portugal)  | flat                     | bdu1436          |
|                                                   |                        | rising                   | bdu1437          |
|                                                   |                        | falling                  | bdu1438          |
| centavo                                           | centavo<br>(Portugal)  | flat                     | bdu1440          |
|                                                   |                        | rising                   | bdu1441          |
|                                                   |                        | falling                  | bdu1442          |
| centavos                                          | centavos<br>(Portugal) | flat                     | bdu1444          |
|                                                   |                        | rising                   | bdu1445          |
|                                                   |                        | falling                  | bdu1446          |
| yuan                                              | yuan<br>(China)        | flat                     | bdu1448          |
|                                                   |                        | rising                   | bdu1449          |
|                                                   |                        | falling                  | bdu1450          |
| yuans                                             | yuans<br>(China)       | flat                     | bdu1452          |
|                                                   |                        | rising                   | bdu1453          |
|                                                   |                        | falling                  | bdu1454          |
| jiao                                              | jiao<br>(China)        | flat                     | bdu1456          |
|                                                   |                        | rising                   | bdu1457          |
|                                                   |                        | falling                  | bdu1458          |
| jiaos                                             | jiaos<br>(China)       | flat                     | bdu1460          |
|                                                   |                        | rising                   | bdu1461          |
|                                                   |                        | falling                  | bdu1462          |
| fen                                               | fen<br>(China)         | flat                     | bdu1464          |
|                                                   |                        | rising                   | bdu1465          |
|                                                   |                        | falling                  | bdu1466          |

**Belgian Dutch audio (Sheet 27 of 27)**

| <b>Belgian Dutch phrase or English equivalent</b> | <b>English</b>      | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------------|---------------------|--------------------------|------------------|
| fens                                              | fens<br>(China)     | flat                     | bdu1468          |
|                                                   |                     | rising                   | bdu1469          |
|                                                   |                     | falling                  | bdu1470          |
| pound                                             | pound<br>(Ireland)  | flat                     | bdu1472          |
|                                                   |                     | rising                   | bdu1473          |
|                                                   |                     | falling                  | bdu1474          |
| pounds                                            | pounds<br>(Ireland) | flat                     | bdu1476          |
|                                                   |                     | rising                   | bdu1477          |
|                                                   |                     | falling                  | bdu1478          |
| penny                                             | penny<br>(Ireland)  | flat                     | bdu1480          |
|                                                   |                     | rising                   | bdu1481          |
|                                                   |                     | falling                  | bdu1482          |
| pence                                             | pence<br>(Ireland)  | flat                     | bdu1484          |
|                                                   |                     | rising                   | bdu1485          |
|                                                   |                     | falling                  | bdu1486          |

## Cantonese audio files

**Note 1:** Audio file names cnt508–cnt610 are optional. Only record the files when the user provisions the string functionality on the system.

**Note 2:** Record audio file names cnt908–cnt1486 if you provision currency on the system.

### Cantonese audio (Sheet 1 of 12)

| Cantonese phrase or English equivalent | English | Phrase intonation | File name |
|----------------------------------------|---------|-------------------|-----------|
| ling                                   | zero    | flat              | cnt0      |
|                                        |         | rising            | cnt1      |
|                                        |         | falling           | cnt2      |
| yat                                    | one     | flat              | cnt8      |
|                                        |         | rising            | cnt9      |
|                                        |         | falling           | cnt10     |
| yi                                     | two     | flat              | cnt12     |
|                                        |         | rising            | cnt13     |
|                                        |         | falling           | cnt14     |
| saam                                   | three   | flat              | cnt16     |
|                                        |         | rising            | cnt17     |
|                                        |         | falling           | cnt18     |
| sei                                    | four    | flat              | cnt20     |
|                                        |         | rising            | cnt21     |
|                                        |         | falling           | cnt22     |
| ng                                     | five    | flat              | cnt24     |
|                                        |         | rising            | cnt25     |
|                                        |         | falling           | cnt26     |

**Cantonese audio (Sheet 2 of 12)**

| <b>Cantonese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-----------------------------------------------|----------------|--------------------------|------------------|
| luk                                           | six            | flat                     | cnt28            |
|                                               |                | rising                   | cnt29            |
|                                               |                | falling                  | cnt30            |
| chat                                          | seven          | flat                     | cnt32            |
|                                               |                | rising                   | cnt34            |
|                                               |                | falling                  | cnt35            |
| baat                                          | eight          | flat                     | cnt36            |
|                                               |                | rising                   | cnt37            |
|                                               |                | falling                  | cnt38            |
| gau                                           | nine           | flat                     | cnt40            |
|                                               |                | rising                   | cnt41            |
|                                               |                | falling                  | cnt42            |
| sap                                           | ten            | flat                     | cnt56            |
|                                               |                | rising                   | cnt57            |
|                                               |                | falling                  | cnt58            |
| baak                                          | hundred        | flat                     | cnt132           |
|                                               |                | rising                   | cnt133           |
|                                               |                | falling                  | cnt134           |
| chin                                          | thousand       | flat                     | cnt496           |
|                                               |                | rising                   | cnt497           |
|                                               |                | falling                  | cnt498           |
| optional                                      | a              | flat                     | cnt508           |
|                                               |                | rising                   | cnt509           |
|                                               |                | falling                  | cnt510           |
| optional                                      | b              | flat                     | cnt512           |
|                                               |                | rising                   | cnt513           |
|                                               |                | falling                  | cnt514           |



**Cantonese audio (Sheet 3 of 12)**

| <b>Cantonese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-----------------------------------------------|----------------|--------------------------|------------------|
| optional                                      | c              | flat                     | cnt516           |
|                                               |                | rising                   | cnt517           |
|                                               |                | falling                  | cnt518           |
| optional                                      | d              | flat                     | cnt520           |
|                                               |                | rising                   | cnt521           |
|                                               |                | falling                  | cnt522           |
| optional                                      | e              | flat                     | cnt524           |
|                                               |                | rising                   | cnt525           |
|                                               |                | falling                  | cnt526           |
| optional                                      | f              | flat                     | cnt528           |
|                                               |                | rising                   | cnt529           |
|                                               |                | falling                  | cnt530           |
| optional                                      | g              | flat                     | cnt532           |
|                                               |                | rising                   | cnt533           |
|                                               |                | falling                  | cnt534           |
| optional                                      | h              | flat                     | cnt536           |
|                                               |                | rising                   | cnt537           |
|                                               |                | falling                  | cnt538           |
| optional                                      | i              | flat                     | cnt540           |
|                                               |                | rising                   | cnt541           |
|                                               |                | falling                  | cnt542           |
| optional                                      | j              | flat                     | cnt544           |
|                                               |                | rising                   | cnt545           |
|                                               |                | falling                  | cnt546           |
| optional                                      | k              | flat                     | cnt548           |
|                                               |                | rising                   | cnt549           |
|                                               |                | falling                  | cnt550           |

**Cantonese audio (Sheet 4 of 12)**

| <b>Cantonese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-----------------------------------------------|----------------|--------------------------|------------------|
| optional                                      | l              | flat                     | cnt552           |
|                                               |                | rising                   | cnt553           |
|                                               |                | falling                  | cnt554           |
| optional                                      | m              | flat                     | cnt556           |
|                                               |                | rising                   | cnt557           |
|                                               |                | falling                  | cnt558           |
| optional                                      | n              | flat                     | cnt560           |
|                                               |                | rising                   | cnt561           |
|                                               |                | falling                  | cnt562           |
| optional                                      | o              | flat                     | cnt564           |
|                                               |                | rising                   | cnt565           |
|                                               |                | falling                  | cnt566           |
| optional                                      | p              | flat                     | cnt568           |
|                                               |                | rising                   | cnt569           |
|                                               |                | falling                  | cnt570           |
| optional                                      | q              | flat                     | cnt572           |
|                                               |                | rising                   | cnt573           |
|                                               |                | falling                  | cnt574           |
| optional                                      | r              | flat                     | cnt576           |
|                                               |                | rising                   | cnt577           |
|                                               |                | falling                  | cnt578           |
| optional                                      | s              | flat                     | cnt580           |
|                                               |                | rising                   | cnt581           |
|                                               |                | falling                  | cnt582           |
| optional                                      | t              | flat                     | cnt584           |
|                                               |                | rising                   | cnt585           |
|                                               |                | falling                  | cnt586           |

**Cantonese audio (Sheet 5 of 12)**

| <b>Cantonese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-----------------------------------------------|----------------|--------------------------|------------------|
| optional                                      | u              | flat                     | cnt588           |
|                                               |                | rising                   | cnt589           |
|                                               |                | falling                  | cnt590           |
| optional                                      | v              | flat                     | cnt592           |
|                                               |                | rising                   | cnt593           |
|                                               |                | falling                  | cnt594           |
| optional                                      | w              | flat                     | cnt596           |
|                                               |                | rising                   | cnt597           |
|                                               |                | falling                  | cnt598           |
| optional                                      | x              | flat                     | cnt600           |
|                                               |                | rising                   | cnt601           |
|                                               |                | falling                  | cnt602           |
| optional                                      | y              | flat                     | cnt604           |
|                                               |                | rising                   | cnt605           |
|                                               |                | falling                  | cnt606           |
| optional                                      | z              | flat                     | cnt608           |
|                                               |                | rising                   | cnt609           |
|                                               |                | falling                  | cnt610           |
| foo                                           | negative       | flat                     | cnt616           |
|                                               |                | rising                   | cnt617           |
|                                               |                | falling                  | cnt618           |
| ling                                          | and            | flat                     | cnt620           |
|                                               |                | rising                   | cnt621           |
|                                               |                | falling                  | cnt622           |
| siu si                                        | hour           | flat                     | cnt624           |
|                                               |                | rising                   | cnt625           |
|                                               |                | falling                  | cnt626           |

**Cantonese audio (Sheet 6 of 12)**

| <b>Cantonese phrase or English equivalent</b> | <b>English</b>    | <b>Phrase intonation</b> | <b>File name</b> |
|-----------------------------------------------|-------------------|--------------------------|------------------|
| fan                                           | minute            | flat                     | cnt632           |
|                                               |                   | rising                   | cnt633           |
|                                               |                   | falling                  | cnt634           |
| miu                                           | second            | flat                     | cnt640           |
|                                               |                   | rising                   | cnt641           |
|                                               |                   | falling                  | cnt642           |
| jeng ho                                       | pound sign<br>(#) | flat                     | cnt896           |
|                                               |                   | rising                   | cnt897           |
|                                               |                   | falling                  | cnt898           |
| sing ho                                       | asterisk<br>(*)   | flat                     | cnt900           |
|                                               |                   | rising                   | cnt901           |
|                                               |                   | falling                  | cnt902           |
| seung-ng                                      | a.m.              | flat                     | cnt908           |
|                                               |                   | rising                   | cnt909           |
|                                               |                   | falling                  | cnt910           |
| ha-ng                                         | p.m.              | flat                     | cnt912           |
|                                               |                   | rising                   | cnt913           |
|                                               |                   | falling                  | cnt914           |
| Dollar                                        | dollar<br>(US)    | flat                     | cnt1200          |
|                                               |                   | rising                   | cnt1201          |
|                                               |                   | falling                  | cnt1202          |
| Cent                                          | cent<br>(US)      | flat                     | cnt1208          |
|                                               |                   | rising                   | cnt1209          |
|                                               |                   | falling                  | cnt1210          |
| Mark                                          | mark<br>(Germany) | flat                     | cnt1216          |
|                                               |                   | rising                   | cnt1217          |
|                                               |                   | falling                  | cnt1218          |

**Cantonese audio (Sheet 7 of 12)**

| <b>Cantonese phrase or English equivalent</b> | <b>English</b>           | <b>Phrase intonation</b> | <b>File name</b> |
|-----------------------------------------------|--------------------------|--------------------------|------------------|
| Pfennig                                       | pfennig<br>(Germany)     | flat                     | cnt1224          |
|                                               |                          | rising                   | cnt1225          |
|                                               |                          | falling                  | cnt1226          |
| Yen                                           | yen<br>(Japan)           | flat                     | cnt1232          |
|                                               |                          | rising                   | cnt1233          |
|                                               |                          | falling                  | cnt1234          |
| Lira                                          | lira<br>(Italy)          | flat                     | cnt1240          |
|                                               |                          | rising                   | cnt1241          |
|                                               |                          | falling                  | cnt1242          |
| Guilder                                       | guilder<br>(Netherlands) | flat                     | cnt1248          |
|                                               |                          | rising                   | cnt1249          |
|                                               |                          | falling                  | cnt1250          |
| Cent                                          | cent<br>(Netherlands)    | flat                     | cnt1256          |
|                                               |                          | rising                   | cnt1257          |
|                                               |                          | falling                  | cnt1258          |
| Pound                                         | pound<br>(UK)            | flat                     | cnt1264          |
|                                               |                          | rising                   | cnt1265          |
|                                               |                          | falling                  | cnt1266          |
| pence                                         | pence<br>(UK)            | flat                     | cnt1276          |
|                                               |                          | rising                   | cnt1277          |
|                                               |                          | falling                  | cnt1278          |
| euro                                          | euro<br>(Euro)           | flat                     | cnt1280          |
|                                               |                          | rising                   | cnt1281          |
|                                               |                          | falling                  | cnt1282          |
| eurocent                                      | eurocent<br>(Euro)       | flat                     | cnt1288          |
|                                               |                          | rising                   | cnt1289          |
|                                               |                          | falling                  | cnt1290          |

**Cantonese audio (Sheet 8 of 12)**

| <b>Cantonese phrase or English equivalent</b> | <b>English</b>           | <b>Phrase intonation</b> | <b>File name</b> |
|-----------------------------------------------|--------------------------|--------------------------|------------------|
| franc                                         | franc<br>(France)        | flat                     | cnt1296          |
|                                               |                          | rising                   | cnt1297          |
|                                               |                          | falling                  | cnt1298          |
| centime                                       | centime<br>(France)      | flat                     | cnt1304          |
|                                               |                          | rising                   | cnt1305          |
|                                               |                          | falling                  | cnt1306          |
| peseta                                        | peseta<br>(Spain)        | flat                     | cnt1312          |
|                                               |                          | rising                   | cnt1313          |
|                                               |                          | falling                  | cnt1314          |
| peso                                          | peso<br>(Philippines)    | flat                     | cnt1328          |
|                                               |                          | rising                   | cnt1329          |
|                                               |                          | falling                  | cnt1330          |
| centavo                                       | centavo<br>(Philippines) | flat                     | cnt1336          |
|                                               |                          | rising                   | cnt1337          |
|                                               |                          | falling                  | cnt1338          |
| ringgit                                       | ringgit<br>(Malaysia)    | flat                     | cnt1344          |
|                                               |                          | rising                   | cnt1345          |
|                                               |                          | falling                  | cnt1346          |
| sen                                           | sen<br>(Malaysia)        | flat                     | cnt1352          |
|                                               |                          | rising                   | cnt1353          |
|                                               |                          | falling                  | cnt1354          |
| baht                                          | baht<br>(Thailand)       | flat                     | cnt1360          |
|                                               |                          | rising                   | cnt1361          |
|                                               |                          | falling                  | cnt1362          |
| satang                                        | satang<br>(Thailand)     | flat                     | cnt1368          |
|                                               |                          | rising                   | cnt1369          |
|                                               |                          | falling                  | cnt1370          |

**Cantonese audio (Sheet 9 of 12)**

| <b>Cantonese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-----------------------------------------------|----------------|--------------------------|------------------|
| won                                           | won            | flat                     | cnt1376          |
|                                               | (Korea)        | rising                   | cnt1377          |
|                                               |                | falling                  | cnt1378          |
| franc                                         | franc          | flat                     | cnt1384          |
|                                               | (Belgium)      | rising                   | cnt1385          |
|                                               |                | falling                  | cnt1386          |
| centime                                       | centime        | flat                     | cnt1392          |
|                                               | (Belgium)      | rising                   | cnt1393          |
|                                               |                | falling                  | cnt1394          |
| dollar                                        | dollar         | flat                     | cnt1400          |
|                                               | (Canada)       | rising                   | cnt1401          |
|                                               |                | falling                  | cnt1402          |
| cent                                          | cent           | flat                     | cnt1408          |
|                                               | (Canada)       | rising                   | cnt1409          |
|                                               |                | falling                  | cnt1410          |
| dollar                                        | dollar         | flat                     | cnt1416          |
|                                               | (Hong Kong)    | rising                   | cnt1417          |
|                                               |                | falling                  | cnt1418          |
| cent                                          | cent           | flat                     | cnt1424          |
|                                               | (Hong Kong)    | rising                   | cnt1425          |
|                                               |                | falling                  | cnt1426          |
| gok                                           | gok            | flat                     | cnt1488          |
|                                               | (Hong Kong)    | rising                   | cnt1489          |
|                                               |                | falling                  | cnt1490          |
| escudo                                        | escudo         | flat                     | cnt1432          |
|                                               | (Portugal)     | rising                   | cnt1433          |
|                                               |                | falling                  | cnt1434          |

**Cantonese audio (Sheet 10 of 12)**

| <b>Cantonese phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|-----------------------------------------------|-----------------------|--------------------------|------------------|
| centavo                                       | centavo<br>(Portugal) | flat                     | cnt1440          |
|                                               |                       | rising                   | cnt1441          |
|                                               |                       | falling                  | cnt1442          |
| yuan                                          | yuan<br>(China)       | flat                     | cnt1448          |
|                                               |                       | rising                   | cnt1449          |
|                                               |                       | falling                  | cnt1450          |
| jiao                                          | jiao<br>(China)       | flat                     | cnt1456          |
|                                               |                       | rising                   | cnt1457          |
|                                               |                       | falling                  | cnt1458          |
| fen                                           | fen<br>(China)        | flat                     | cnt1464          |
|                                               |                       | rising                   | cnt1465          |
|                                               |                       | falling                  | cnt1466          |
| pound                                         | pound<br>(Ireland)    | flat                     | cnt1472          |
|                                               |                       | rising                   | cnt1473          |
|                                               |                       | falling                  | cnt1474          |
| pence                                         | pence<br>(Ireland)    | flat                     | cnt1484          |
|                                               |                       | rising                   | cnt1485          |
|                                               |                       | falling                  | cnt1486          |
| sing kei                                      | week                  | flat                     | cnt920           |
|                                               |                       | rising                   | cnt921           |
|                                               |                       | falling                  | cnt922           |
| yuet                                          | month                 | flat                     | cnt924           |
|                                               |                       | rising                   | cnt925           |
|                                               |                       | falling                  | cnt926           |
| nian                                          | year                  | flat                     | cnt928           |
|                                               |                       | rising                   | cnt929           |
|                                               |                       | falling                  | cnt930           |



**Cantonese audio (Sheet 11 of 12)**

| <b>Cantonese phrase or English equivalent</b> | <b>English</b>                                 | <b>Phrase intonation</b> | <b>File name</b> |
|-----------------------------------------------|------------------------------------------------|--------------------------|------------------|
| yat                                           | day                                            | flat                     | cnt932           |
|                                               |                                                | rising                   | cnt933           |
|                                               |                                                | falling                  | cnt934           |
| dai                                           | prefix for ordinal                             | flat                     | cnt936           |
|                                               |                                                | rising                   | cnt937           |
|                                               |                                                | falling                  | cnt938           |
| goh                                           | suffix for ordinal                             | flat                     | cnt940           |
|                                               |                                                | rising                   | cnt941           |
|                                               |                                                | falling                  | cnt942           |
| maan                                          | ten-thousand                                   | flat                     | cnt944           |
|                                               |                                                | rising                   | cnt945           |
|                                               |                                                | falling                  | cnt946           |
| yik                                           | hundred-million                                | flat                     | cnt948           |
|                                               |                                                | rising                   | cnt949           |
|                                               |                                                | falling                  | cnt950           |
| dian                                          | hour used in telling time                      | flat                     | cnt952           |
|                                               |                                                | rising                   | cnt953           |
|                                               |                                                | falling                  | cnt954           |
| yat                                           | day (for Sunday)                               | flat                     | cnt956           |
|                                               |                                                | rising                   | cnt957           |
|                                               |                                                | falling                  | cnt958           |
| ling chen                                     | used for telling time from midnight to 5:59 am | flat                     | cnt960           |
|                                               |                                                | rising                   | cnt961           |
|                                               |                                                | falling                  | cnt962           |
| shang wu                                      | used for telling time from 6 am to 11:59 am    | flat                     | cnt964           |
|                                               |                                                | rising                   | cnt965           |
|                                               |                                                | falling                  | cnt966           |

**Cantonese audio (Sheet 12 of 12)**

| <b>Cantonese phrase or English equivalent</b> | <b>English</b>                                 | <b>Phrase intonation</b> | <b>File name</b> |
|-----------------------------------------------|------------------------------------------------|--------------------------|------------------|
| zhong wu                                      | used for telling time from noon to 12:59 pm    | flat                     | cnt968           |
|                                               |                                                | rising                   | cnt969           |
|                                               |                                                | falling                  | cnt970           |
| xia wu                                        | used for telling time from 1 pm to 5:59 pm     | flat                     | cnt972           |
|                                               |                                                | rising                   | cnt973           |
|                                               |                                                | falling                  | cnt974           |
| wan shang                                     | used for telling time from 6 pm to 11:59 pm    | flat                     | cnt976           |
|                                               |                                                | rising                   | cnt977           |
|                                               |                                                | falling                  | cnt978           |
| zheng                                         | word for “o’clock”, used when minutes are zero | flat                     | cnt980           |
|                                               |                                                | rising                   | cnt981           |
|                                               |                                                | falling                  | cnt982           |

## Catalan audio files

**Note 1:** Use audio file names cat508–cat610 for the multilanguage strings functionality. Recording of this audio is optional and the content of the recording can be any word. This audio is only required when the string functionality is used.

**Note 2:** Only record audio file names cat732–cat890 and cat984–cat1725 if you provision ordinal numbers on the system. The ordinal values for numbers less than three are used in applications (date) and are required unless otherwise specified.

**Note 3:** Only record audio filenames cat1400–cat1486 if you provision audio for this currency.

### Catalan audio (Sheet 1 of 44)

| Catalan phrase or English equivalent | English | Phrase intonation | File name |
|--------------------------------------|---------|-------------------|-----------|
| zero                                 | zero    | flat              | cat0      |
|                                      |         | rising            | cat1      |
|                                      |         | falling           | cat2      |
| u                                    | one     | flat              | cat8      |
|                                      |         | rising            | cat9      |
|                                      |         | falling           | cat10     |
| dos                                  | two     | flat              | cat12     |
|                                      |         | rising            | cat13     |
|                                      |         | falling           | cat14     |
| tres                                 | three   | flat              | cat16     |
|                                      |         | rising            | cat17     |
|                                      |         | falling           | cat18     |
| quarte                               | four    | flat              | cat20     |
|                                      |         | rising            | cat21     |
|                                      |         | falling           | cat22     |

**Catalan audio (Sheet 2 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| cinc                                        | five           | flat                     | cat24            |
|                                             |                | rising                   | cat25            |
|                                             |                | falling                  | cat26            |
| sis                                         | six            | flat                     | cat28            |
|                                             |                | rising                   | cat29            |
|                                             |                | falling                  | cat30            |
| set                                         | seven          | flat                     | cat33            |
|                                             |                | rising                   | cat34            |
|                                             |                | falling                  | cat35            |
| vuit                                        | eight          | flat                     | cat36            |
|                                             |                | rising                   | cat37            |
|                                             |                | falling                  | cat38            |
| nou                                         | nine           | flat                     | cat40            |
|                                             |                | rising                   | cat41            |
|                                             |                | falling                  | cat42            |
| deu                                         | ten            | flat                     | cat56            |
|                                             |                | rising                   | cat57            |
|                                             |                | falling                  | cat58            |
| onze                                        | eleven         | flat                     | cat60            |
|                                             |                | rising                   | cat61            |
|                                             |                | falling                  | cat62            |
| dotze                                       | twelve         | flat                     | cat64            |
|                                             |                | rising                   | cat65            |
|                                             |                | falling                  | cat66            |
| tretze                                      | thirteen       | flat                     | cat68            |
|                                             |                | rising                   | cat69            |
|                                             |                | falling                  | cat70            |

**Catalan audio (Sheet 3 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| cotorze                                     | fourteen       | flat                     | cat72            |
|                                             |                | rising                   | cat73            |
|                                             |                | falling                  | cat74            |
| quinze                                      | fifteen        | flat                     | cat76            |
|                                             |                | rising                   | cat77            |
|                                             |                | falling                  | cat78            |
| setze                                       | sixteen        | flat                     | cat80            |
|                                             |                | rising                   | cat81            |
|                                             |                | falling                  | cat82            |
| disset                                      | seventeen      | flat                     | cat84            |
|                                             |                | rising                   | cat85            |
|                                             |                | falling                  | cat86            |
| divuit                                      | eighteen       | flat                     | cat88            |
|                                             |                | rising                   | cat89            |
|                                             |                | falling                  | cat90            |
| dinou                                       | nineteen       | flat                     | cat92            |
|                                             |                | rising                   | cat93            |
|                                             |                | falling                  | cat94            |
| vint                                        | twenty         | flat                     | cat96            |
|                                             |                | rising                   | cat97            |
|                                             |                | falling                  | cat98            |
| trenta                                      | thirty         | flat                     | cat100           |
|                                             |                | rising                   | cat101           |
|                                             |                | falling                  | cat102           |
| quaranta                                    | forty          | flat                     | cat104           |
|                                             |                | rising                   | cat105           |
|                                             |                | falling                  | cat106           |

**Catalan audio (Sheet 4 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| cinquanta                                   | fifty          | flat                     | cat108           |
|                                             |                | rising                   | cat109           |
|                                             |                | falling                  | cat110           |
| seixanta                                    | sixty          | flat                     | cat112           |
|                                             |                | rising                   | cat113           |
|                                             |                | falling                  | cat114           |
| setanta                                     | seventy        | flat                     | cat116           |
|                                             |                | rising                   | cat117           |
|                                             |                | falling                  | cat118           |
| vuitanta                                    | eighty         | flat                     | cat120           |
|                                             |                | rising                   | cat121           |
|                                             |                | falling                  | cat122           |
| noranta                                     | ninety         | flat                     | cat124           |
|                                             |                | rising                   | cat125           |
|                                             |                | falling                  | cat126           |
| cent                                        | one-hundred    | flat                     | cat132           |
|                                             |                | rising                   | cat133           |
|                                             |                | falling                  | cat134           |
| dos-cents                                   | two-hundred    | flat                     | cat136           |
|                                             |                | rising                   | cat137           |
|                                             |                | falling                  | cat138           |
| tres-cents                                  | three-hundred  | flat                     | cat140           |
|                                             |                | rising                   | cat141           |
|                                             |                | falling                  | cat142           |
| quatre-cents                                | four-hundred   | flat                     | cat144           |
|                                             |                | rising                   | cat145           |
|                                             |                | falling                  | cat146           |

**Catalan audio (Sheet 5 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| cinc-cents                                  | five-hundred   | flat                     | cat148           |
|                                             |                | rising                   | cat149           |
|                                             |                | falling                  | cat150           |
| sis-cents                                   | six-hundred    | flat                     | cat152           |
|                                             |                | rising                   | cat153           |
|                                             |                | falling                  | cat154           |
| set-cents                                   | seven-hundred  | flat                     | cat156           |
|                                             |                | rising                   | cat157           |
|                                             |                | falling                  | cat158           |
| vuit-cents                                  | eight-hundred  | flat                     | cat160           |
|                                             |                | rising                   | cat161           |
|                                             |                | falling                  | cat162           |
| nou-cents                                   | nine-hundred   | flat                     | cat164           |
|                                             |                | rising                   | cat165           |
|                                             |                | falling                  | cat166           |
| vintiun                                     | twenty-one     | flat                     | cat208           |
|                                             |                | rising                   | cat209           |
|                                             |                | falling                  | cat210           |
| vintidos                                    | twenty-two     | flat                     | cat212           |
|                                             |                | rising                   | cat213           |
|                                             |                | falling                  | cat214           |
| vintitres                                   | twenty-three   | flat                     | cat216           |
|                                             |                | rising                   | cat217           |
|                                             |                | falling                  | cat218           |
| vintiquatre                                 | twenty-four    | flat                     | cat220           |
|                                             |                | rising                   | cat221           |
|                                             |                | falling                  | cat222           |

**Catalan audio (Sheet 6 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| vinticin                                    | twenty-five    | flat                     | cat224           |
|                                             |                | rising                   | cat225           |
|                                             |                | falling                  | cat226           |
| vintisis                                    | twenty-six     | flat                     | cat228           |
|                                             |                | rising                   | cat229           |
|                                             |                | falling                  | cat230           |
| vintiset                                    | twenty-seven   | flat                     | cat232           |
|                                             |                | rising                   | cat233           |
|                                             |                | falling                  | cat234           |
| vintivuit                                   | twenty-eight   | flat                     | cat236           |
|                                             |                | rising                   | cat237           |
|                                             |                | falling                  | cat238           |
| vintinou                                    | twenty-nine    | flat                     | cat240           |
|                                             |                | rising                   | cat241           |
|                                             |                | falling                  | cat242           |
| mil                                         | one-thousand   | flat                     | cat496           |
|                                             |                | rising                   | cat497           |
|                                             |                | falling                  | cat498           |
| milio                                       | one-million    | flat                     | cat500           |
|                                             |                | rising                   | cat501           |
|                                             |                | falling                  | cat502           |
| bilio                                       | billion        | flat                     | cat504           |
|                                             |                | rising                   | cat505           |
|                                             |                | falling                  | cat506           |
| a                                           | a              | flat                     | cat508           |
|                                             |                | rising                   | cat509           |
|                                             |                | falling                  | cat510           |



**Catalan audio (Sheet 7 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| b                                           | b              | flat                     | cat512           |
|                                             |                | rising                   | cat513           |
|                                             |                | falling                  | cat514           |
| c                                           | c              | flat                     | cat516           |
|                                             |                | rising                   | cat517           |
|                                             |                | falling                  | cat518           |
| d                                           | d              | flat                     | cat520           |
|                                             |                | rising                   | cat521           |
|                                             |                | falling                  | cat522           |
| e                                           | e              | flat                     | cat524           |
|                                             |                | rising                   | cat525           |
|                                             |                | falling                  | cat526           |
| f                                           | f              | flat                     | cat528           |
|                                             |                | rising                   | cat529           |
|                                             |                | falling                  | cat530           |
| g                                           | g              | flat                     | cat532           |
|                                             |                | rising                   | cat533           |
|                                             |                | falling                  | cat534           |
| h                                           | h              | flat                     | cat536           |
|                                             |                | rising                   | cat537           |
|                                             |                | falling                  | cat538           |
| i                                           | i              | flat                     | cat540           |
|                                             |                | rising                   | cat541           |
|                                             |                | falling                  | cat542           |
| j                                           | j              | flat                     | cat544           |
|                                             |                | rising                   | cat545           |
|                                             |                | falling                  | cat546           |

**Catalan audio (Sheet 8 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| k                                           | k              | flat                     | cat548           |
|                                             |                | rising                   | cat549           |
|                                             |                | falling                  | cat550           |
| l                                           | l              | flat                     | cat552           |
|                                             |                | rising                   | cat553           |
|                                             |                | falling                  | cat554           |
| m                                           | m              | flat                     | cat556           |
|                                             |                | rising                   | cat557           |
|                                             |                | falling                  | cat558           |
| n                                           | n              | flat                     | cat560           |
|                                             |                | rising                   | cat561           |
|                                             |                | falling                  | cat562           |
| o                                           | o              | flat                     | cat564           |
|                                             |                | rising                   | cat565           |
|                                             |                | falling                  | cat566           |
| p                                           | p              | flat                     | cat568           |
|                                             |                | rising                   | cat569           |
|                                             |                | falling                  | cat570           |
| q                                           | q              | flat                     | cat572           |
|                                             |                | rising                   | cat573           |
|                                             |                | falling                  | cat574           |
| r                                           | r              | flat                     | cat576           |
|                                             |                | rising                   | cat577           |
|                                             |                | falling                  | cat578           |
| s                                           | s              | flat                     | cat580           |
|                                             |                | rising                   | cat581           |
|                                             |                | falling                  | cat582           |

**Catalan audio (Sheet 9 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| t                                           | t              | flat                     | cat584           |
|                                             |                | rising                   | cat585           |
|                                             |                | falling                  | cat586           |
| u                                           | u              | flat                     | cat588           |
|                                             |                | rising                   | cat589           |
|                                             |                | falling                  | cat590           |
| v                                           | v              | flat                     | cat592           |
|                                             |                | rising                   | cat593           |
|                                             |                | falling                  | cat594           |
| w                                           | w              | flat                     | cat596           |
|                                             |                | rising                   | cat597           |
|                                             |                | falling                  | cat598           |
| x                                           | x              | flat                     | cat600           |
|                                             |                | rising                   | cat601           |
|                                             |                | falling                  | cat602           |
| y                                           | y              | flat                     | cat604           |
|                                             |                | rising                   | cat605           |
|                                             |                | falling                  | cat606           |
| z                                           | z              | flat                     | cat608           |
|                                             |                | rising                   | cat609           |
|                                             |                | falling                  | cat610           |
| negatiu                                     | negative       | flat                     | cat616           |
|                                             |                | rising                   | cat617           |
|                                             |                | falling                  | cat618           |
| i                                           | and            | flat                     | cat620           |
|                                             |                | rising                   | cat621           |
|                                             |                | falling                  | cat622           |

**Catalan audio (Sheet 10 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| hora                                        | hour           | flat                     | cat624           |
|                                             |                | rising                   | cat625           |
|                                             |                | falling                  | cat626           |
| hores                                       | hours          | flat                     | cat628           |
|                                             |                | rising                   | cat629           |
|                                             |                | falling                  | cat630           |
| minut                                       | minute         | flat                     | cat632           |
|                                             |                | rising                   | cat633           |
|                                             |                | falling                  | cat634           |
| minuts                                      | minutes        | flat                     | cat636           |
|                                             |                | rising                   | cat637           |
|                                             |                | falling                  | cat638           |
| segon                                       | second         | flat                     | cat640           |
|                                             |                | rising                   | cat641           |
|                                             |                | falling                  | cat642           |
| segons                                      | seconds        | flat                     | cat644           |
|                                             |                | rising                   | cat645           |
|                                             |                | falling                  | cat646           |
| Gener                                       | January        | flat                     | cat648           |
|                                             |                | rising                   | cat649           |
|                                             |                | falling                  | cat650           |
| Febrer                                      | February       | flat                     | cat652           |
|                                             |                | rising                   | cat653           |
|                                             |                | falling                  | cat654           |
| Marc                                        | March          | flat                     | cat656           |
|                                             |                | rising                   | cat657           |
|                                             |                | falling                  | cat658           |

**Catalan audio (Sheet 11 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| Abril                                       | April          | flat                     | cat660           |
|                                             |                | rising                   | cat661           |
|                                             |                | falling                  | cat662           |
| Maig                                        | May            | flat                     | cat664           |
|                                             |                | rising                   | cat665           |
|                                             |                | falling                  | cat666           |
| Juny                                        | June           | flat                     | cat668           |
|                                             |                | rising                   | cat669           |
|                                             |                | falling                  | cat670           |
| Juliol                                      | July           | flat                     | cat672           |
|                                             |                | rising                   | cat673           |
|                                             |                | falling                  | cat674           |
| Agost                                       | August         | flat                     | cat676           |
|                                             |                | rising                   | cat677           |
|                                             |                | falling                  | cat678           |
| Setembre                                    | September      | flat                     | cat680           |
|                                             |                | rising                   | cat681           |
|                                             |                | falling                  | cat682           |
| Outubre                                     | October        | flat                     | cat684           |
|                                             |                | rising                   | cat685           |
|                                             |                | falling                  | cat686           |
| Novembre                                    | November       | flat                     | cat688           |
|                                             |                | rising                   | cat689           |
|                                             |                | falling                  | cat690           |
| Desembre                                    | December       | flat                     | cat692           |
|                                             |                | rising                   | cat693           |
|                                             |                | falling                  | cat694           |

**Catalan audio (Sheet 12 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| Diumenge                                    | Sunday         | flat                     | cat696           |
|                                             |                | rising                   | cat697           |
|                                             |                | falling                  | cat698           |
| Dilluns                                     | Monday         | flat                     | cat700           |
|                                             |                | rising                   | cat701           |
|                                             |                | falling                  | cat702           |
| Dimarts                                     | Tuesday        | flat                     | cat704           |
|                                             |                | rising                   | cat705           |
|                                             |                | falling                  | cat706           |
| Dimecres                                    | Wednesday      | flat                     | cat708           |
|                                             |                | rising                   | cat709           |
|                                             |                | falling                  | cat710           |
| Dijous                                      | Thursday       | flat                     | cat712           |
|                                             |                | rising                   | cat713           |
|                                             |                | falling                  | cat714           |
| Divendres                                   | Friday         | flat                     | cat716           |
|                                             |                | rising                   | cat717           |
|                                             |                | falling                  | cat718           |
| Dissabte                                    | Saturday       | flat                     | cat720           |
|                                             |                | rising                   | cat721           |
|                                             |                | falling                  | cat722           |
| primer                                      | first          | flat                     | cat728           |
|                                             |                | rising                   | cat729           |
|                                             |                | falling                  | cat730           |
| segon                                       | second         | flat                     | cat732           |
|                                             |                | rising                   | cat733           |
|                                             |                | falling                  | cat734           |

**Catalan audio (Sheet 13 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| tercer                                      | third          | flat                     | cat736           |
|                                             |                | rising                   | cat737           |
|                                             |                | falling                  | cat738           |
| quart                                       | fourth         | flat                     | cat740           |
|                                             |                | rising                   | cat741           |
|                                             |                | falling                  | cat742           |
| cinque                                      | fifth          | flat                     | cat744           |
|                                             |                | rising                   | cat745           |
|                                             |                | falling                  | cat746           |
| sisè                                        | sixth          | flat                     | cat748           |
|                                             |                | rising                   | cat749           |
|                                             |                | falling                  | cat750           |
| sete                                        | seventh        | flat                     | cat752           |
|                                             |                | rising                   | cat753           |
|                                             |                | falling                  | cat754           |
| vuitè                                       | eighth         | flat                     | cat756           |
|                                             |                | rising                   | cat757           |
|                                             |                | falling                  | cat758           |
| nove                                        | ninth          | flat                     | cat760           |
|                                             |                | rising                   | cat761           |
|                                             |                | falling                  | cat762           |
| dese                                        | tenth          | flat                     | cat764           |
|                                             |                | rising                   | cat765           |
|                                             |                | falling                  | cat766           |
| onze                                        | eleventh       | flat                     | cat768           |
|                                             |                | rising                   | cat769           |
|                                             |                | falling                  | cat770           |

**Catalan audio (Sheet 14 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| dotze                                       | twelfth        | flat                     | cat772           |
|                                             |                | rising                   | cat773           |
|                                             |                | falling                  | cat774           |
| tretze                                      | thirteenth     | flat                     | cat776           |
|                                             |                | rising                   | cat777           |
|                                             |                | falling                  | cat778           |
| catorze                                     | fourteenth     | flat                     | cat780           |
|                                             |                | rising                   | cat781           |
|                                             |                | falling                  | cat782           |
| quinze                                      | fifteenth      | flat                     | cat784           |
|                                             |                | rising                   | cat785           |
|                                             |                | falling                  | cat786           |
| setze                                       | sixteenth      | flat                     | cat788           |
|                                             |                | rising                   | cat789           |
|                                             |                | falling                  | cat790           |
| dissete                                     | seventeenth    | flat                     | cat792           |
|                                             |                | rising                   | cat793           |
|                                             |                | falling                  | cat794           |
| divuite                                     | eighteenth     | flat                     | cat796           |
|                                             |                | rising                   | cat797           |
|                                             |                | falling                  | cat798           |
| dinove                                      | nineteenth     | flat                     | cat800           |
|                                             |                | rising                   | cat801           |
|                                             |                | falling                  | cat802           |
| vinte                                       | twentieth      | flat                     | cat804           |
|                                             |                | rising                   | cat805           |
|                                             |                | falling                  | cat806           |



**Catalan audio (Sheet 15 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| trente                                      | thirtieth      | flat                     | cat808           |
|                                             |                | rising                   | cat809           |
|                                             |                | falling                  | cat810           |
| quarante                                    | fortieth       | flat                     | cat812           |
|                                             |                | rising                   | cat813           |
|                                             |                | falling                  | cat814           |
| cinquante                                   | fiftieth       | flat                     | cat816           |
|                                             |                | rising                   | cat817           |
|                                             |                | falling                  | cat818           |
| seixante                                    | sixtieth       | flat                     | cat820           |
|                                             |                | rising                   | cat821           |
|                                             |                | falling                  | cat822           |
| setante                                     | seventieth     | flat                     | cat824           |
|                                             |                | rising                   | cat825           |
|                                             |                | falling                  | cat826           |
| vuitante                                    | eightieth      | flat                     | cat828           |
|                                             |                | rising                   | cat829           |
|                                             |                | falling                  | cat830           |
| norante                                     | ninetieth      | flat                     | cat832           |
|                                             |                | rising                   | cat833           |
|                                             |                | falling                  | cat834           |
| cente                                       | one-hundredth  | flat                     | cat836           |
|                                             |                | rising                   | cat837           |
|                                             |                | falling                  | cat838           |
| dos-cente                                   | two-hundredth  | flat                     | cat840           |
|                                             |                | rising                   | cat841           |
|                                             |                | falling                  | cat842           |

**Catalan audio (Sheet 16 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b>  | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-----------------|--------------------------|------------------|
| tres-cente                                  | three-hundredth | flat                     | cat844           |
|                                             |                 | rising                   | cat845           |
|                                             |                 | falling                  | cat846           |
| quatre-cente                                | four-hundredth  | flat                     | cat848           |
|                                             |                 | rising                   | cat849           |
|                                             |                 | falling                  | cat850           |
| cincente                                    | five-hundredth  | flat                     | cat852           |
|                                             |                 | rising                   | cat853           |
|                                             |                 | falling                  | cat854           |
| sis-cente                                   | six-hundredth   | flat                     | cat856           |
|                                             |                 | rising                   | cat857           |
|                                             |                 | falling                  | cat858           |
| ses-cente                                   | seven-hundredth | flat                     | cat860           |
|                                             |                 | rising                   | cat861           |
|                                             |                 | falling                  | cat862           |
| vuit-cente                                  | eight-hundredth | flat                     | cat864           |
|                                             |                 | rising                   | cat865           |
|                                             |                 | falling                  | cat866           |
| nou-cente                                   | nine-hundredth  | flat                     | cat868           |
|                                             |                 | rising                   | cat869           |
|                                             |                 | falling                  | cat870           |
| mile                                        | thousandth      | flat                     | cat872           |
|                                             |                 | rising                   | cat873           |
|                                             |                 | falling                  | cat874           |
| milionesim                                  | millionth       | flat                     | cat880           |
|                                             |                 | rising                   | cat881           |
|                                             |                 | falling                  | cat882           |

**Catalan audio (Sheet 17 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b>     | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|--------------------|--------------------------|------------------|
| bilionesim                                  | billionth          | flat                     | cat888           |
|                                             |                    | rising                   | cat889           |
|                                             |                    | falling                  | cat890           |
| cuadradet                                   | pound sign<br>(#)  | flat                     | cat896           |
|                                             |                    | rising                   | cat897           |
|                                             |                    | falling                  | cat898           |
| asterisc                                    | asterisk<br>(*)    | flat                     | cat900           |
|                                             |                    | rising                   | cat901           |
|                                             |                    | falling                  | cat902           |
| dollar                                      | dollar<br>(US)     | flat                     | cat1200          |
|                                             |                    | rising                   | cat1201          |
|                                             |                    | falling                  | cat1202          |
| dollars                                     | dollars<br>(US)    | flat                     | cat1204          |
|                                             |                    | rising                   | cat1205          |
|                                             |                    | falling                  | cat1206          |
| cent                                        | cent<br>(US)       | flat                     | cat1208          |
|                                             |                    | rising                   | cat1209          |
|                                             |                    | falling                  | cat1210          |
| cents                                       | cents<br>(US)      | flat                     | cat1212          |
|                                             |                    | rising                   | cat1213          |
|                                             |                    | falling                  | cat1214          |
| mark                                        | mark<br>(Germany)  | flat                     | cat1216          |
|                                             |                    | rising                   | cat1217          |
|                                             |                    | falling                  | cat1218          |
| marks                                       | marks<br>(Germany) | flat                     | cat1220          |
|                                             |                    | rising                   | cat1221          |
|                                             |                    | falling                  | cat1222          |

**Catalan audio (Sheet 18 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|---------------------------|--------------------------|------------------|
| pfennig                                     | pfennig<br>(Germany)      | flat                     | cat1224          |
|                                             |                           | rising                   | cat1225          |
|                                             |                           | falling                  | cat1226          |
| pfennigs                                    | pfennigs<br>(Germany)     | flat                     | cat1228          |
|                                             |                           | rising                   | cat1229          |
|                                             |                           | falling                  | cat1230          |
| yen                                         | yen<br>(Japan)            | flat                     | cat1232          |
|                                             |                           | rising                   | cat1233          |
|                                             |                           | falling                  | cat1234          |
| yens                                        | yens<br>(Japan)           | flat                     | cat1236          |
|                                             |                           | rising                   | cat1237          |
|                                             |                           | falling                  | cat1238          |
| lira                                        | lira<br>(Italy)           | flat                     | cat1240          |
|                                             |                           | rising                   | cat1241          |
|                                             |                           | falling                  | cat1242          |
| liras                                       | liras<br>(Italy)          | flat                     | cat1244          |
|                                             |                           | rising                   | cat1245          |
|                                             |                           | falling                  | cat1246          |
| guilder                                     | guilder<br>(Netherlands)  | flat                     | cat1248          |
|                                             |                           | rising                   | cat1249          |
|                                             |                           | falling                  | cat1250          |
| guilders                                    | guilders<br>(Netherlands) | flat                     | cat1252          |
|                                             |                           | rising                   | cat1253          |
|                                             |                           | falling                  | cat1254          |
| cent                                        | cent<br>(Netherlands)     | flat                     | cat1256          |
|                                             |                           | rising                   | cat1257          |
|                                             |                           | falling                  | cat1258          |

**Catalan audio (Sheet 19 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|------------------------|--------------------------|------------------|
| cents                                       | cents<br>(Netherlands) | flat                     | cat1260          |
|                                             |                        | rising                   | cat1261          |
|                                             |                        | falling                  | cat1262          |
| pound                                       | pound<br>(UK)          | flat                     | cat1264          |
|                                             |                        | rising                   | cat1265          |
|                                             |                        | falling                  | cat1266          |
| pounds                                      | pounds<br>(UK)         | flat                     | cat1268          |
|                                             |                        | rising                   | cat1269          |
|                                             |                        | falling                  | cat1270          |
| penny                                       | penny<br>(UK)          | flat                     | cat1272          |
|                                             |                        | rising                   | cat1273          |
|                                             |                        | falling                  | cat1274          |
| pence                                       | pence<br>(UK)          | flat                     | cat1276          |
|                                             |                        | rising                   | cat1277          |
|                                             |                        | falling                  | cat1278          |
| euro                                        | euro<br>(Europe)       | flat                     | cat1280          |
|                                             |                        | rising                   | cat1281          |
|                                             |                        | falling                  | cat1282          |
| euros                                       | euros<br>(Europe)      | flat                     | cat1284          |
|                                             |                        | rising                   | cat1285          |
|                                             |                        | falling                  | cat1286          |
| eurocent                                    | eurocent<br>(Europe)   | flat                     | cat1288          |
|                                             |                        | rising                   | cat1289          |
|                                             |                        | falling                  | cat1290          |
| eurocents                                   | eurocents<br>(Europe)  | flat                     | cat1292          |
|                                             |                        | rising                   | cat1293          |
|                                             |                        | falling                  | cat1294          |

**Catalan audio (Sheet 20 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b>           | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|--------------------------|--------------------------|------------------|
| franc                                       | franc<br>(France)        | flat                     | cat1296          |
|                                             |                          | rising                   | cat1297          |
|                                             |                          | falling                  | cat1298          |
| francs                                      | francs<br>(France)       | flat                     | cat1300          |
|                                             |                          | rising                   | cat1301          |
|                                             |                          | falling                  | cat1302          |
| centime                                     | centime<br>(France)      | flat                     | cat1304          |
|                                             |                          | rising                   | cat1305          |
|                                             |                          | falling                  | cat1306          |
| centimes                                    | centimes<br>(France)     | flat                     | cat1308          |
|                                             |                          | rising                   | cat1309          |
|                                             |                          | falling                  | cat1310          |
| peseta                                      | peseta<br>(Spain)        | flat                     | cat1312          |
|                                             |                          | rising                   | cat1313          |
|                                             |                          | falling                  | cat1314          |
| pesetas                                     | pesetas<br>(Spain)       | flat                     | cat1316          |
|                                             |                          | rising                   | cat1317          |
|                                             |                          | falling                  | cat1318          |
| peso                                        | peso<br>(Philippines)    | flat                     | cat1328          |
|                                             |                          | rising                   | cat1329          |
|                                             |                          | falling                  | cat1330          |
| pesos                                       | pesos<br>(Philippines)   | flat                     | cat1332          |
|                                             |                          | rising                   | cat1333          |
|                                             |                          | falling                  | cat1334          |
| centavo                                     | centavo<br>(Philippines) | flat                     | cat1336          |
|                                             |                          | rising                   | cat1337          |
|                                             |                          | falling                  | cat1338          |

**Catalan audio (Sheet 21 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|---------------------------|--------------------------|------------------|
| centavos                                    | centavos<br>(Philippines) | flat                     | cat1340          |
|                                             |                           | rising                   | cat1341          |
|                                             |                           | falling                  | cat1342          |
| ringgit                                     | ringgit<br>(Malaysia)     | flat                     | cat1344          |
|                                             |                           | rising                   | cat1345          |
|                                             |                           | falling                  | cat1346          |
| ringgits                                    | ringgits<br>(Malaysia)    | flat                     | cat1348          |
|                                             |                           | rising                   | cat1349          |
|                                             |                           | falling                  | cat1350          |
| sen                                         | sen<br>(Malaysia)         | flat                     | cat1352          |
|                                             |                           | rising                   | cat1353          |
|                                             |                           | falling                  | cat1354          |
| sens                                        | sens<br>(Malaysia)        | flat                     | cat1356          |
|                                             |                           | rising                   | cat1357          |
|                                             |                           | falling                  | cat1358          |
| baht                                        | baht<br>(Thailand)        | flat                     | cat1360          |
|                                             |                           | rising                   | cat1361          |
|                                             |                           | falling                  | cat1362          |
| bahts                                       | bahts<br>(Thailand)       | flat                     | cat1364          |
|                                             |                           | rising                   | cat1365          |
|                                             |                           | falling                  | cat1366          |
| satang                                      | satang<br>(Thailand)      | flat                     | cat1368          |
|                                             |                           | rising                   | cat1369          |
|                                             |                           | falling                  | cat1370          |
| satangs                                     | satangs<br>(Thailand)     | flat                     | cat1372          |
|                                             |                           | rising                   | cat1373          |
|                                             |                           | falling                  | cat1374          |

**Catalan audio (Sheet 22 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| won                                         | won            | flat                     | cat1376          |
|                                             | (Korea)        | rising                   | cat1377          |
|                                             |                | falling                  | cat1378          |
| wons                                        | wons           | flat                     | cat1380          |
|                                             | (Korea)        | rising                   | cat1381          |
|                                             |                | falling                  | cat1382          |
| franc                                       | franc          | flat                     | cat1384          |
|                                             | (Belgium)      | rising                   | cat1385          |
|                                             |                | falling                  | cat1386          |
| francs                                      | francs         | flat                     | cat 1388         |
|                                             | (Belgium)      | rising                   | cat1389          |
|                                             |                | falling                  | cat1390          |
| centime                                     | centime        | flat                     | cat1392          |
|                                             | (Belgium)      | rising                   | cat1393          |
|                                             |                | falling                  | cat1394          |
| centimes                                    | centimes       | flat                     | cat1396          |
|                                             | (Belgium)      | rising                   | cat1397          |
|                                             |                | falling                  | cat1398          |
| dollar                                      | dollar         | flat                     | cat1400          |
|                                             | (Canada)       | rising                   | cat1401          |
|                                             |                | falling                  | cat1402          |
| dollars                                     | dollars        | flat                     | cat1404          |
|                                             | (Canada)       | rising                   | cat1405          |
|                                             |                | falling                  | cat1406          |
| cent                                        | cent           | flat                     | cat1408          |
|                                             | (Canada)       | rising                   | cat1409          |
|                                             |                | falling                  | cat1410          |



**Catalan audio (Sheet 23 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|------------------------|--------------------------|------------------|
| cents                                       | cents<br>(Canada)      | flat                     | cat1412          |
|                                             |                        | rising                   | cat1413          |
|                                             |                        | falling                  | cat1414          |
| dollar                                      | dollar<br>(Hong Kong)  | flat                     | cat1416          |
|                                             |                        | rising                   | cat1417          |
|                                             |                        | falling                  | cat1418          |
| dollars                                     | dollars<br>(Hong Kong) | flat                     | cat1420          |
|                                             |                        | rising                   | cat1421          |
|                                             |                        | falling                  | cat1422          |
| cent                                        | cent<br>(Hong Kong)    | flat                     | cat1424          |
|                                             |                        | rising                   | cat1425          |
|                                             |                        | falling                  | cat1426          |
| cents                                       | cents<br>(Hong Kong)   | flat                     | cat1428          |
|                                             |                        | rising                   | cat1429          |
|                                             |                        | falling                  | cat1430          |
| gok                                         | gok<br>(Hong Kong)     | flat                     | cat1488          |
|                                             |                        | rising                   | cat1489          |
|                                             |                        | falling                  | cat1490          |
| goks                                        | goks<br>(Hong Kong)    | flat                     | cat1492          |
|                                             |                        | rising                   | cat1493          |
|                                             |                        | falling                  | cat1494          |
| escudo                                      | escudo<br>(Portugal)   | flat                     | cat1432          |
|                                             |                        | rising                   | cat1433          |
|                                             |                        | falling                  | cat1434          |
| escudos                                     | escudos<br>(Portugal)  | flat                     | cat1436          |
|                                             |                        | rising                   | cat1437          |
|                                             |                        | falling                  | cat1438          |

**Catalan audio (Sheet 24 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|------------------------|--------------------------|------------------|
| centavo                                     | centavo<br>(Portugal)  | flat                     | cat1440          |
|                                             |                        | rising                   | cat1441          |
|                                             |                        | falling                  | cat1442          |
| centavos                                    | centavos<br>(Portugal) | flat                     | cat1444          |
|                                             |                        | rising                   | cat1445          |
|                                             |                        | falling                  | cat1446          |
| yuan                                        | yuan<br>(China)        | flat                     | cat1448          |
|                                             |                        | rising                   | cat1449          |
|                                             |                        | falling                  | cat1450          |
| yuans                                       | yuans<br>(China)       | flat                     | cat1452          |
|                                             |                        | rising                   | cat1453          |
|                                             |                        | falling                  | cat1454          |
| jiao                                        | jiao<br>(China)        | flat                     | cat1456          |
|                                             |                        | rising                   | cat1457          |
|                                             |                        | falling                  | cat1458          |
| jiaos                                       | jiaos<br>(China)       | flat                     | cat1460          |
|                                             |                        | rising                   | cat1461          |
|                                             |                        | falling                  | cat1462          |
| fen                                         | fen<br>(China)         | flat                     | cat1464          |
|                                             |                        | rising                   | cat1465          |
|                                             |                        | falling                  | cat1466          |
| fens                                        | fens<br>(China)        | flat                     | cat1468          |
|                                             |                        | rising                   | cat1469          |
|                                             |                        | falling                  | cat1470          |
| pound                                       | pound<br>(Ireland)     | flat                     | cat1472          |
|                                             |                        | rising                   | cat1473          |
|                                             |                        | falling                  | cat1474          |

**Catalan audio (Sheet 25 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b>      | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|---------------------|--------------------------|------------------|
| pounds                                      | pounds<br>(Ireland) | flat                     | cat1476          |
|                                             |                     | rising                   | cat1477          |
|                                             |                     | falling                  | cat1478          |
| penny                                       | penny<br>(Ireland)  | flat                     | cat1480          |
|                                             |                     | rising                   | cat1481          |
|                                             |                     | falling                  | cat1482          |
| pence                                       | pence<br>(Ireland)  | flat                     | cat1484          |
|                                             |                     | rising                   | cat1485          |
|                                             |                     | falling                  | cat1486          |
| un                                          | one<br>(masc)       | flat                     | cat920           |
|                                             |                     | rising                   | cat921           |
|                                             |                     | falling                  | cat922           |
| una                                         | one<br>(fem)        | flat                     | cat924           |
|                                             |                     | rising                   | cat925           |
|                                             |                     | falling                  | cat926           |
| dues                                        | two<br>(fem)        | flat                     | cat928           |
|                                             |                     | rising                   | cat929           |
|                                             |                     | falling                  | cat930           |
| vintiuna                                    | twenty-one<br>(fem) | flat                     | cat932           |
|                                             |                     | rising                   | cat933           |
|                                             |                     | falling                  | cat934           |
| vintidues                                   | twenty-two<br>(fem) | flat                     | cat936           |
|                                             |                     | rising                   | cat937           |
|                                             |                     | falling                  | cat938           |
| dues-centes                                 | 200<br>(fem)        | flat                     | cat940           |
|                                             |                     | rising                   | cat941           |
|                                             |                     | falling                  | cat942           |

**Catalan audio (Sheet 26 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| tres-centes                                 | 300<br>(fem)   | flat                     | cat944           |
|                                             |                | rising                   | cat945           |
|                                             |                | falling                  | cat946           |
| quatre-centes                               | 400<br>(fem)   | flat                     | cat948           |
|                                             |                | rising                   | cat949           |
|                                             |                | falling                  | cat950           |
| cinc-centes                                 | 500<br>(fem)   | flat                     | cat952           |
|                                             |                | rising                   | cat953           |
|                                             |                | falling                  | cat954           |
| sis-centes                                  | 600<br>(fem)   | flat                     | cat956           |
|                                             |                | rising                   | cat957           |
|                                             |                | falling                  | cat958           |
| set-centes                                  | 700<br>(fem)   | flat                     | cat960           |
|                                             |                | rising                   | cat961           |
|                                             |                | falling                  | cat962           |
| vuit-centes                                 | 800<br>(fem)   | flat                     | cat964           |
|                                             |                | rising                   | cat965           |
|                                             |                | falling                  | cat966           |
| nou-centes                                  | 900<br>(fem)   | flat                     | cat968           |
|                                             |                | rising                   | cat969           |
|                                             |                | falling                  | cat970           |
| milions                                     | millions       | flat                     | cat972           |
|                                             |                | rising                   | cat973           |
|                                             |                | falling                  | cat974           |
| bilions                                     | billions       | flat                     | cat976           |
|                                             |                | rising                   | cat977           |
|                                             |                | falling                  | cat978           |

**Catalan audio (Sheet 27 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b>   | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|------------------|--------------------------|------------------|
| de                                          | of               | flat                     | cat980           |
|                                             |                  | rising                   | cat981           |
|                                             |                  | falling                  | cat982           |
| primera                                     | first<br>(fem)   | flat                     | cat984           |
|                                             |                  | rising                   | cat985           |
|                                             |                  | falling                  | cat986           |
| segona                                      | second<br>(fem)  | flat                     | cat988           |
|                                             |                  | rising                   | cat989           |
|                                             |                  | falling                  | cat990           |
| tercera                                     | third<br>(fem)   | flat                     | cat992           |
|                                             |                  | rising                   | cat993           |
|                                             |                  | falling                  | cat994           |
| cuarta                                      | fourth<br>(fem)  | flat                     | cat996           |
|                                             |                  | rising                   | cat997           |
|                                             |                  | falling                  | cat998           |
| cinquena                                    | fifth<br>(fem)   | flat                     | cat1000          |
|                                             |                  | rising                   | cat1001          |
|                                             |                  | falling                  | cat1002          |
| sisena                                      | sixth<br>(fem)   | flat                     | cat1004          |
|                                             |                  | rising                   | cat1005          |
|                                             |                  | falling                  | cat1006          |
| setena                                      | seventh<br>(fem) | flat                     | cat1008          |
|                                             |                  | rising                   | cat1009          |
|                                             |                  | falling                  | cat1010          |
| vuitena                                     | eighth<br>(fem)  | flat                     | cat1012          |
|                                             |                  | rising                   | cat1013          |
|                                             |                  | falling                  | cat1014          |

**Catalan audio (Sheet 28 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| novena                                      | ninth          | flat                     | cat1016          |
|                                             | (fem)          | rising                   | cat1017          |
|                                             |                | falling                  | cat1018          |
| desena                                      | tenth          | flat                     | cat1020          |
|                                             | (fem)          | rising                   | cat1021          |
|                                             |                | falling                  | cat1022          |
| onzena                                      | eleventh       | flat                     | cat1024          |
|                                             | (fem)          | rising                   | cat1025          |
|                                             |                | falling                  | cat1026          |
| dotzena                                     | twelfth        | flat                     | cat1028          |
|                                             | (fem)          | rising                   | cat1029          |
|                                             |                | falling                  | cat1030          |
| tretzena                                    | thirteenth     | flat                     | cat1032          |
|                                             | (fem)          | rising                   | cat1033          |
|                                             |                | falling                  | cat1034          |
| catorzena                                   | fourteenth     | flat                     | cat1036          |
|                                             | (fem)          | rising                   | cat1037          |
|                                             |                | falling                  | cat1038          |
| quinzena                                    | fifteenth      | flat                     | cat1040          |
|                                             | (fem)          | rising                   | cat1041          |
|                                             |                | falling                  | cat1042          |
| setzena                                     | sixteenth      | flat                     | cat1044          |
|                                             | (fem)          | rising                   | cat1045          |
|                                             |                | falling                  | cat1046          |
| dissetena                                   | seventeenth    | flat                     | cat1048          |
|                                             | (fem)          | rising                   | cat1049          |
|                                             |                | falling                  | cat1050          |

**Catalan audio (Sheet 29 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b>      | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|---------------------|--------------------------|------------------|
| divuitena                                   | eighteenth<br>(fem) | flat                     | cat1052          |
|                                             |                     | rising                   | cat1053          |
|                                             |                     | falling                  | cat1054          |
| dinovena                                    | nineteenth<br>(fem) | flat                     | cat1056          |
|                                             |                     | rising                   | cat1057          |
|                                             |                     | falling                  | cat1058          |
| vintena                                     | twentieth<br>(fem)  | flat                     | cat1060          |
|                                             |                     | rising                   | cat1061          |
|                                             |                     | falling                  | cat1062          |
| trentena                                    | thirtieth<br>(fem)  | flat                     | cat1064          |
|                                             |                     | rising                   | cat1065          |
|                                             |                     | falling                  | cat1066          |
| quarantena                                  | fortieth<br>(fem)   | flat                     | cat1068          |
|                                             |                     | rising                   | cat1069          |
|                                             |                     | falling                  | cat1070          |
| cinquantena                                 | fiftieth<br>(fem)   | flat                     | cat1072          |
|                                             |                     | rising                   | cat1073          |
|                                             |                     | falling                  | cat1074          |
| seixantena                                  | sixtieth<br>(fem)   | flat                     | cat1076          |
|                                             |                     | rising                   | cat1077          |
|                                             |                     | falling                  | cat1078          |
| setantena                                   | seventieth<br>(fem) | flat                     | cat1080          |
|                                             |                     | rising                   | cat1081          |
|                                             |                     | falling                  | cat1082          |
| vuitantena                                  | eightieth<br>(fem)  | flat                     | cat1084          |
|                                             |                     | rising                   | cat1085          |
|                                             |                     | falling                  | cat1086          |

**Catalan audio (Sheet 30 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b>           | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|--------------------------|--------------------------|------------------|
| norantena                                   | ninetieth<br>(fem)       | flat                     | cat1088          |
|                                             |                          | rising                   | cat1089          |
|                                             |                          | falling                  | cat1090          |
| centena                                     | one-hundredth<br>(fem)   | flat                     | cat1092          |
|                                             |                          | rising                   | cat1093          |
|                                             |                          | falling                  | cat1094          |
| dos-centena                                 | two-hundredth<br>(fem)   | flat                     | cat1096          |
|                                             |                          | rising                   | cat1097          |
|                                             |                          | falling                  | cat1098          |
| tres-centena                                | three-hundredth<br>(fem) | flat                     | cat1100          |
|                                             |                          | rising                   | cat1101          |
|                                             |                          | falling                  | cat1102          |
| quatre-centena                              | four-hundredth<br>(fem)  | flat                     | cat1104          |
|                                             |                          | rising                   | cat1105          |
|                                             |                          | falling                  | cat1106          |
| cinquantena                                 | five-hundredth<br>(fem)  | flat                     | cat1108          |
|                                             |                          | rising                   | cat1109          |
|                                             |                          | falling                  | cat1110          |
| sis-centena                                 | six-hundredth<br>(fem)   | flat                     | cat1112          |
|                                             |                          | rising                   | cat1113          |
|                                             |                          | falling                  | cat1114          |
| set-centena                                 | seven-hundredth<br>(fem) | flat                     | cat1116          |
|                                             |                          | rising                   | cat1117          |
|                                             |                          | falling                  | cat1118          |
| vuit-centena                                | eight-hundredth<br>(fem) | flat                     | cat1120          |
|                                             |                          | rising                   | cat1121          |
|                                             |                          | falling                  | cat1122          |



**Catalan audio (Sheet 31 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b>          | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-------------------------|--------------------------|------------------|
| nou-centena                                 | nine-hundredth<br>(fem) | flat                     | cat1124          |
|                                             |                         | rising                   | cat1125          |
|                                             |                         | falling                  | cat1126          |
| milena                                      | thousandth<br>(fem)     | flat                     | cat1128          |
|                                             |                         | rising                   | cat1129          |
|                                             |                         | falling                  | cat1130          |
| milionesima                                 | millionth<br>(fem)      | flat                     | cat1132          |
|                                             |                         | rising                   | cat1133          |
|                                             |                         | falling                  | cat1134          |
| bilionesima                                 | billionth<br>(fem)      | flat                     | cat1136          |
|                                             |                         | rising                   | cat1137          |
|                                             |                         | falling                  | cat1138          |
| vintiune                                    | twenty-first            | flat                     | cat1140          |
|                                             |                         | rising                   | cat1141          |
|                                             |                         | falling                  | cat1142          |
| vintidose                                   | twenty-second           | flat                     | cat1144          |
|                                             |                         | rising                   | cat1145          |
|                                             |                         | falling                  | cat1146          |
| vintitrese                                  | twenty-third            | flat                     | cat1148          |
|                                             |                         | rising                   | cat1149          |
|                                             |                         | falling                  | cat1150          |
| vintiquatre                                 | twenty-fourth           | flat                     | cat1152          |
|                                             |                         | rising                   | cat1153          |
|                                             |                         | falling                  | cat1154          |
| vinticinque                                 | twenty-fifth            | flat                     | cat1156          |
|                                             |                         | rising                   | cat1157          |
|                                             |                         | falling                  | cat1158          |

**Catalan audio (Sheet 32 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|------------------------|--------------------------|------------------|
| vintisise                                   | twenty-sixth           | flat                     | cat1160          |
|                                             |                        | rising                   | cat1161          |
|                                             |                        | falling                  | cat1162          |
| vintisete                                   | twenty-seventh         | flat                     | cat1164          |
|                                             |                        | rising                   | cat1165          |
|                                             |                        | falling                  | cat1166          |
| vintivuite                                  | twenty-eighth          | flat                     | cat1168          |
|                                             |                        | rising                   | cat1169          |
|                                             |                        | falling                  | cat1170          |
| vintinove                                   | twenty-ninth           | flat                     | cat1172          |
|                                             |                        | rising                   | cat1173          |
|                                             |                        | falling                  | cat1174          |
| vintiunena                                  | twenty-first<br>(fem)  | flat                     | cat1500          |
|                                             |                        | rising                   | cat1501          |
|                                             |                        | falling                  | cat1502          |
| ventidosena                                 | twenty-second<br>(fem) | flat                     | cat1504          |
|                                             |                        | rising                   | cat1505          |
|                                             |                        | falling                  | cat1506          |
| vintitresena                                | twenty-third<br>(fem)  | flat                     | cat1508          |
|                                             |                        | rising                   | cat1509          |
|                                             |                        | falling                  | cat1510          |
| vintiquatrena                               | twenty-fourth<br>(fem) | flat                     | cat1512          |
|                                             |                        | rising                   | cat1513          |
|                                             |                        | falling                  | cat1514          |
| vinticinquena                               | twenty-fifth<br>(fem)  | flat                     | cat1516          |
|                                             |                        | rising                   | cat1517          |
|                                             |                        | falling                  | cat1518          |

**Catalan audio (Sheet 33 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b>           | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|--------------------------|--------------------------|------------------|
| vintisisena                                 | twenty-sixth<br>(fem)    | flat                     | cat1520          |
|                                             |                          | rising                   | cat1521          |
|                                             |                          | falling                  | cat1522          |
| vintisetena                                 | twenty-seventh<br>(fem)  | flat                     | cat1524          |
|                                             |                          | rising                   | cat1525          |
|                                             |                          | falling                  | cat1526          |
| vintivuitena                                | twenty-eighth<br>(fem)   | flat                     | cat1528          |
|                                             |                          | rising                   | cat1529          |
|                                             |                          | falling                  | cat1530          |
| vintinovenà                                 | twenty-ninth<br>(fem)    | flat                     | cat1532          |
|                                             |                          | rising                   | cat1533          |
|                                             |                          | falling                  | cat1534          |
| primers                                     | first<br>(plural, masc)  | flat                     | cat1536          |
|                                             |                          | rising                   | cat1537          |
|                                             |                          | falling                  | cat1538          |
| segons                                      | second<br>(plural, masc) | flat                     | cat1540          |
|                                             |                          | rising                   | cat1541          |
|                                             |                          | falling                  | cat1542          |
| tercers                                     | third<br>(plural, masc)  | flat                     | cat1544          |
|                                             |                          | rising                   | cat1545          |
|                                             |                          | falling                  | cat1546          |
| quarts                                      | fourth<br>(plural, masc) | flat                     | cat1548          |
|                                             |                          | rising                   | cat1549          |
|                                             |                          | falling                  | cat1550          |
| cinques                                     | fifth<br>(plural, masc)  | flat                     | cat1552          |
|                                             |                          | rising                   | cat1553          |
|                                             |                          | falling                  | cat1554          |

**Catalan audio (Sheet 34 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| sises                                       | sixth          | flat                     | cat1556          |
|                                             | (plural, masc) | rising                   | cat1557          |
|                                             |                | falling                  | cat1558          |
| setes                                       | seventh        | flat                     | cat1560          |
|                                             | (plural, masc) | rising                   | cat1561          |
|                                             |                | falling                  | cat1562          |
| vuites                                      | eighth         | flat                     | cat1564          |
|                                             | (plural, masc) | rising                   | cat1565          |
|                                             |                | falling                  | cat1566          |
| noves                                       | ninth          | flat                     | cat1568          |
|                                             | (plural, masc) | rising                   | cat1569          |
|                                             |                | falling                  | cat1570          |
| deses                                       | tenth          | flat                     | cat1572          |
|                                             | (plural, masc) | rising                   | cat1573          |
|                                             |                | falling                  | cat1574          |
| onzes                                       | eleventh       | flat                     | cat1576          |
|                                             | (plural, masc) | rising                   | cat1577          |
|                                             |                | falling                  | cat1578          |
| dotzes                                      | twelfth        | flat                     | cat1580          |
|                                             | (plural, masc) | rising                   | cat1581          |
|                                             |                | falling                  | cat1582          |
| tretzes                                     | thirteenth     | flat                     | cat1584          |
|                                             | (plural, masc) | rising                   | cat1585          |
|                                             |                | falling                  | cat1586          |
| catorzes                                    | fourteenth     | flat                     | cat1588          |
|                                             | (plural, masc) | rising                   | cat1589          |
|                                             |                | falling                  | cat1590          |

**Catalan audio (Sheet 35 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| quinzes                                     | fifteenth      | flat                     | cat1592          |
|                                             | (plural, masc) | rising                   | cat1593          |
|                                             |                | falling                  | cat1594          |
| setzes                                      | sixteenth      | flat                     | cat1596          |
|                                             | (plural, masc) | rising                   | cat1597          |
|                                             |                | falling                  | cat1598          |
| dissetes                                    | seventeenth    | flat                     | cat1600          |
|                                             | (plural, masc) | rising                   | cat1601          |
|                                             |                | falling                  | cat1602          |
| divuites                                    | eighteenth     | flat                     | cat1604          |
|                                             | (plural, masc) | rising                   | cat1605          |
|                                             |                | falling                  | cat1606          |
| dinoves                                     | nineteenth     | flat                     | cat1608          |
|                                             | (plural, masc) | rising                   | cat1609          |
|                                             |                | falling                  | cat1610          |
| vintes                                      | twentieth      | flat                     | cat1612          |
|                                             | (plural, masc) | rising                   | cat1613          |
|                                             |                | falling                  | cat1614          |
| trentes                                     | thirtieth      | flat                     | cat1616          |
|                                             | (plural, masc) | rising                   | cat1617          |
|                                             |                | falling                  | cat1618          |
| quarantes                                   | fortieth       | flat                     | cat1620          |
|                                             | (plural, masc) | rising                   | cat1621          |
|                                             |                | falling                  | cat1622          |
| cinquantes                                  | fiftieth       | flat                     | cat1624          |
|                                             | (plural, masc) | rising                   | cat1625          |
|                                             |                | falling                  | cat1626          |

**Catalan audio (Sheet 36 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b>  | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-----------------|--------------------------|------------------|
| seixantes                                   | sixtieth        | flat                     | cat1628          |
|                                             | (plural, masc)  | rising                   | cat1629          |
|                                             |                 | falling                  | cat1630          |
| setantes                                    | seventieth      | flat                     | cat1632          |
|                                             | (plural, masc)  | rising                   | cat1633          |
|                                             |                 | falling                  | cat1634          |
| vuitantes                                   | eightieth       | flat                     | cat1636          |
|                                             | (plural, masc)  | rising                   | cat1637          |
|                                             |                 | falling                  | cat1638          |
| norantes                                    | ninetieth       | flat                     | cat1640          |
|                                             | (plural, masc)  | rising                   | cat1641          |
|                                             |                 | falling                  | cat1642          |
| centes                                      | one-hundredth   | flat                     | cat1644          |
|                                             | (plural, masc)  | rising                   | cat1645          |
|                                             |                 | falling                  | cat1646          |
| dos-centes                                  | two-hundredth   | flat                     | cat1648          |
|                                             | (plural, masc)  | rising                   | cat1649          |
|                                             |                 | falling                  | cat1650          |
| tres-centes                                 | three-hundredth | flat                     | cat1652          |
|                                             | (plural, masc)  | rising                   | cat1653          |
|                                             |                 | falling                  | cat1654          |
| quatre-centes                               | four-hundredth  | flat                     | cat1656          |
|                                             | (plural, masc)  | rising                   | cat1657          |
|                                             |                 | falling                  | cat1658          |
| cincentes                                   | five-hundredth  | flat                     | cat1660          |
|                                             | (plural, masc)  | rising                   | cat1661          |
|                                             |                 | falling                  | cat1662          |

**Catalan audio (Sheet 37 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b>                    | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-----------------------------------|--------------------------|------------------|
| sis-centes                                  | six-hundredth<br>(plural, masc)   | flat                     | cat1664          |
|                                             |                                   | rising                   | cat1665          |
|                                             |                                   | falling                  | cat1666          |
| ses-centes                                  | seven-hundredth<br>(plural, masc) | flat                     | cat1668          |
|                                             |                                   | rising                   | cat1669          |
|                                             |                                   | falling                  | cat1670          |
| vuit-centes                                 | eight-hundredth<br>(plural, masc) | flat                     | cat1672          |
|                                             |                                   | rising                   | cat1673          |
|                                             |                                   | falling                  | cat1674          |
| nou-centes                                  | nine-hundredth<br>(plural, masc)  | flat                     | cat1676          |
|                                             |                                   | rising                   | cat1677          |
|                                             |                                   | falling                  | cat1678          |
| miles                                       | thousandth<br>(plural, masc)      | flat                     | cat1680          |
|                                             |                                   | rising                   | cat1681          |
|                                             |                                   | falling                  | cat1682          |
| milionesims                                 | millionth<br>(plural, masc)       | flat                     | cat1684          |
|                                             |                                   | rising                   | cat1685          |
|                                             |                                   | falling                  | cat1686          |
| bilionesims                                 | billionth<br>(plural, masc)       | flat                     | cat1688          |
|                                             |                                   | rising                   | cat1689          |
|                                             |                                   | falling                  | cat1690          |
| vintiunes                                   | twenty-first<br>(plural, masc)    | flat                     | cat1692          |
|                                             |                                   | rising                   | cat1693          |
|                                             |                                   | falling                  | cat1694          |
| vintidoses                                  | twenty-second<br>(plural, masc)   | flat                     | cat1696          |
|                                             |                                   | rising                   | cat1697          |
|                                             |                                   | falling                  | cat1698          |

**Catalan audio (Sheet 38 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b>                   | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------------------------|--------------------------|------------------|
| vintitreses                                 | twenty-third<br>(plural, masc)   | flat                     | cat1700          |
|                                             |                                  | rising                   | cat1701          |
|                                             |                                  | falling                  | cat1702          |
| vintiquatres                                | twenty-fourth<br>(plural, masc)  | flat                     | cat1704          |
|                                             |                                  | rising                   | cat1705          |
|                                             |                                  | falling                  | cat1706          |
| vinticinques                                | twenty-fifth<br>(plural, masc)   | flat                     | cat1708          |
|                                             |                                  | rising                   | cat1709          |
|                                             |                                  | falling                  | cat1710          |
| vintisises                                  | twenty-sixth<br>(plural, masc)   | flat                     | cat1712          |
|                                             |                                  | rising                   | cat1713          |
|                                             |                                  | falling                  | cat1714          |
| vintisetes                                  | twenty-seventh<br>(plural, masc) | flat                     | cat1716          |
|                                             |                                  | rising                   | cat1717          |
|                                             |                                  | falling                  | cat1718          |
| vintivuites                                 | twenty-eighth<br>(plural, masc)  | flat                     | cat1720          |
|                                             |                                  | rising                   | cat1721          |
|                                             |                                  | falling                  | cat1722          |
| vintinoves                                  | twenty-ninth<br>(plural, masc)   | flat                     | cat1724          |
|                                             |                                  | rising                   | cat1725          |
|                                             |                                  | falling                  | cat1725          |
| primeres                                    | first<br>(fem, plural)           | flat                     | cat1728          |
|                                             |                                  | rising                   | cat1729          |
|                                             |                                  | falling                  | cat1730          |
| segones                                     | second<br>(fem, plural)          | flat                     | cat1732          |
|                                             |                                  | rising                   | cat1733          |
|                                             |                                  | falling                  | cat1734          |



**Catalan audio (Sheet 39 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| terceres                                    | third          | flat                     | cat1736          |
|                                             | (fem, plural)  | rising                   | cat1737          |
|                                             |                | falling                  | cat1738          |
| cuartes                                     | fourth         | flat                     | cat 1740         |
|                                             | (fem, plural)  | rising                   | cat1741          |
|                                             |                | falling                  | cat1742          |
| cinquenes                                   | fifth          | flat                     | cat1744          |
|                                             | (fem, plural)  | rising                   | cat1745          |
|                                             |                | falling                  | cat1746          |
| sisenes                                     | sixth          | flat                     | cat1748          |
|                                             | (fem, plural)  | rising                   | cat1749          |
|                                             |                | falling                  | cat1750          |
| setenes                                     | seventh        | flat                     | cat1752          |
|                                             | (fem, plural)  | rising                   | cat1753          |
|                                             |                | falling                  | cat1754          |
| vuitenes                                    | eighth         | flat                     | cat1756          |
|                                             | (fem, plural)  | rising                   | cat1757          |
|                                             |                | falling                  | cat1758          |
| novenes                                     | ninth          | flat                     | cat1760          |
|                                             | (fem, plural)  | rising                   | cat1761          |
|                                             |                | falling                  | cat1762          |
| desenes                                     | tenth          | flat                     | cat1764          |
|                                             | (fem, plural)  | rising                   | cat1765          |
|                                             |                | falling                  | cat1766          |
| onzenes                                     | eleventh       | flat                     | cat1768          |
|                                             | (fem, plural)  | rising                   | cat1769          |
|                                             |                | falling                  | cat1770          |

**Catalan audio (Sheet 40 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b>               | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|------------------------------|--------------------------|------------------|
| dotzenes                                    | twelfth<br>(fem, plural)     | flat                     | cat1772          |
|                                             |                              | rising                   | cat1773          |
|                                             |                              | falling                  | cat1774          |
| tretzenes                                   | thirteenth<br>(fem, plural)  | flat                     | cat1776          |
|                                             |                              | rising                   | cat1777          |
|                                             |                              | falling                  | cat1778          |
| catorzenes                                  | fourteenth<br>(fem, plural)  | flat                     | cat1780          |
|                                             |                              | rising                   | cat1781          |
|                                             |                              | falling                  | cat1782          |
| quinzenes                                   | fifteenth<br>(fem, plural)   | flat                     | cat1784          |
|                                             |                              | rising                   | cat1785          |
|                                             |                              | falling                  | cat1786          |
| setzenes                                    | sixteenth<br>(fem, plural)   | flat                     | cat1788          |
|                                             |                              | rising                   | cat1789          |
|                                             |                              | falling                  | cat1790          |
| dissetenes                                  | seventeenth<br>(fem, plural) | flat                     | cat1792          |
|                                             |                              | rising                   | cat1793          |
|                                             |                              | falling                  | cat1794          |
| divuitenes                                  | eighteenth<br>(fem, plural)  | flat                     | cat1796          |
|                                             |                              | rising                   | cat1797          |
|                                             |                              | falling                  | cat1798          |
| dinovenes                                   | nineteenth<br>(fem, plural)  | flat                     | cat1800          |
|                                             |                              | rising                   | cat1801          |
|                                             |                              | falling                  | cat1802          |
| vintenes                                    | twentieth<br>(fem, plural)   | flat                     | cat1804          |
|                                             |                              | rising                   | cat1805          |
|                                             |                              | falling                  | cat1806          |

**Catalan audio (Sheet 41 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b>                 | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|--------------------------------|--------------------------|------------------|
| trentenes                                   | thirtieth<br>(fem, plural)     | flat                     | cat1808          |
|                                             |                                | rising                   | cat1809          |
|                                             |                                | falling                  | cat1810          |
| quarantenes                                 | fortieth<br>(fem, plural)      | flat                     | cat1812          |
|                                             |                                | rising                   | cat1813          |
|                                             |                                | falling                  | cat1814          |
| cinquantenes                                | fiftieth<br>(fem, plural)      | flat                     | cat1816          |
|                                             |                                | rising                   | cat1817          |
|                                             |                                | falling                  | cat1818          |
| seixantenes                                 | sixtieth<br>(fem, plural)      | flat                     | cat1820          |
|                                             |                                | rising                   | cat1821          |
|                                             |                                | falling                  | cat1822          |
| setantenes                                  | seventieth<br>(fem, plural)    | flat                     | cat1824          |
|                                             |                                | rising                   | cat1825          |
|                                             |                                | falling                  | cat1826          |
| vuitantenes                                 | eightieth<br>(fem, plural)     | flat                     | cat1828          |
|                                             |                                | rising                   | cat1829          |
|                                             |                                | falling                  | cat1830          |
| norantenes                                  | ninetieth<br>(fem, plural)     | flat                     | cat1832          |
|                                             |                                | rising                   | cat1833          |
|                                             |                                | falling                  | cat1834          |
| centenes                                    | one-hundredth<br>(fem, plural) | flat                     | cat1836          |
|                                             |                                | rising                   | cat1837          |
|                                             |                                | falling                  | cat1838          |
| dos-centenes                                | two-hundredth<br>(fem, plural) | flat                     | cat1840          |
|                                             |                                | rising                   | cat1841          |
|                                             |                                | falling                  | cat1842          |

**Catalan audio (Sheet 42 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b>                   | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------------------------|--------------------------|------------------|
| tres-centenes                               | three-hundredth<br>(fem, plural) | flat                     | cat1844          |
|                                             |                                  | rising                   | cat1845          |
|                                             |                                  | falling                  | cat1846          |
| quatre-centenes                             | four-hundredth<br>(fem, plural)  | flat                     | cat1848          |
|                                             |                                  | rising                   | cat1849          |
|                                             |                                  | falling                  | cat1850          |
| cinquantenes                                | five-hundredth<br>(fem, plural)  | flat                     | cat1852          |
|                                             |                                  | rising                   | cat1853          |
|                                             |                                  | falling                  | cat1854          |
| sis-centenes                                | six-hundredth<br>(fem, plural)   | flat                     | cat1856          |
|                                             |                                  | rising                   | cat1857          |
|                                             |                                  | falling                  | cat1858          |
| set-centenes                                | seven-hundredth<br>(fem, plural) | flat                     | cat1860          |
|                                             |                                  | rising                   | cat1861          |
|                                             |                                  | falling                  | cat1862          |
| vuit-centenes                               | eight-hundredth<br>(fem, plural) | flat                     | cat1864          |
|                                             |                                  | rising                   | cat1865          |
|                                             |                                  | falling                  | cat1866          |
| nou-centenes                                | nine-hundredth<br>(fem, plural)  | flat                     | cat1868          |
|                                             |                                  | rising                   | cat1869          |
|                                             |                                  | falling                  | cat1870          |
| milenes                                     | thousandth<br>(fem, plural)      | flat                     | cat1872          |
|                                             |                                  | rising                   | cat1873          |
|                                             |                                  | falling                  | cat1874          |
| milionesimes                                | millionth<br>(fem, plural)       | flat                     | cat1876          |
|                                             |                                  | rising                   | cat1877          |
|                                             |                                  | falling                  | cat1878          |

**Catalan audio (Sheet 43 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b>                  | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|---------------------------------|--------------------------|------------------|
| bilionesimes                                | billionth<br>(fem, plural)      | flat                     | cat1880          |
|                                             |                                 | rising                   | cat1881          |
|                                             |                                 | falling                  | cat1882          |
| vintiunenes                                 | twenty-first<br>(fem, plural)   | flat                     | cat1884          |
|                                             |                                 | rising                   | cat1885          |
|                                             |                                 | falling                  | cat1886          |
| ventidosenes                                | twenty-second<br>(fem, plural)  | flat                     | cat1888          |
|                                             |                                 | rising                   | cat1889          |
|                                             |                                 | falling                  | cat1890          |
| vintitresenes                               | twenty-third<br>(fem, plural)   | flat                     | cat1892          |
|                                             |                                 | rising                   | cat1893          |
|                                             |                                 | falling                  | cat1894          |
| vintiquatrenes                              | twenty-fourth<br>(fem, plural)  | flat                     | cat1896          |
|                                             |                                 | rising                   | cat1897          |
|                                             |                                 | falling                  | cat1898          |
| vinticinques                                | twenty-fifth<br>(fem, plural)   | flat                     | cat1900          |
|                                             |                                 | rising                   | cat1901          |
|                                             |                                 | falling                  | cat1902          |
| vintisisenes                                | twenty-sixth<br>(fem, plural)   | flat                     | cat1904          |
|                                             |                                 | rising                   | cat1905          |
|                                             |                                 | falling                  | cat1906          |
| vintisetenes                                | twenty-seventh<br>(fem, plural) | flat                     | cat1908          |
|                                             |                                 | rising                   | cat1909          |
|                                             |                                 | falling                  | cat1910          |

**Catalan audio (Sheet 44 of 44)**

| <b>Catalan phrase or English equivalent</b> | <b>English</b>                 | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|--------------------------------|--------------------------|------------------|
| vintivuitenes                               | twenty-eighth<br>(fem, plural) | flat                     | cat1912          |
|                                             |                                | rising                   | cat1913          |
|                                             |                                | falling                  | cat1914          |
| vintinovenes                                | twenty-ninth<br>(fem, plural)  | flat                     | cat1916          |
|                                             |                                | rising                   | cat1917          |
|                                             |                                | falling                  | cat1918          |

## Czech audio files

**Note 1:** Only record audio file names ces1200-ces4070 if the user provisions audio files for this currency.

**Note 2:** Audio files names ces508-ces610 are used for strings functionality. Recording of this audio is optional and the content of the recording can be any word.

**Note 3:** Audio files names ces972-ces1010 are used for currency values between 2 and 4.

**Note 4:** Audio files names ces1096-ces1138 are used for months when spoken in dates.

**Note 5:** Audio files names ces1140-ces1170 are used with ordinal hundreds, thousands, millions, and billions.

### Czech audio (Sheet 1 of 39)

| Czech phrase or English equivalent | English     | Phrase intonation | File name |
|------------------------------------|-------------|-------------------|-----------|
| nula                               | zero        | flat              | ces0      |
|                                    |             | rising            | ces1      |
|                                    |             | falling           | ces2      |
| yeden                              | one (masc.) | flat              | ces8      |
|                                    |             | rising            | ces9      |
|                                    |             | falling           | ces10     |
| dva                                | two (masc.) | flat              | ces12     |
|                                    |             | rising            | ces13     |
|                                    |             | falling           | ces14     |
| thri                               | three       | flat              | ces16     |
|                                    |             | rising            | ces17     |
|                                    |             | falling           | ces18     |
| chtyrhi                            | four        | flat              | ces20     |
|                                    |             | rising            | ces21     |
|                                    |             | falling           | ces22     |

**Czech audio (Sheet 2 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| pyet                                      | five           | flat                     | ces24            |
|                                           |                | rising                   | ces25            |
|                                           |                | falling                  | ces26            |
| shest                                     | six            | flat                     | ces28            |
|                                           |                | rising                   | ces29            |
|                                           |                | falling                  | ces30            |
| sedium                                    | seven          | flat                     | ces32            |
|                                           |                | rising                   | ces33            |
|                                           |                | falling                  | ces34            |
| osum                                      | eight          | flat                     | ces36            |
|                                           |                | rising                   | ces37            |
|                                           |                | falling                  | ces38            |
| devyet                                    | nine           | flat                     | ces40            |
|                                           |                | rising                   | ces41            |
|                                           |                | falling                  | ces42            |
| deset                                     | ten            | flat                     | ces56            |
|                                           |                | rising                   | ces57            |
|                                           |                | falling                  | ces58            |
| yedenatst                                 | eleven         | flat                     | ces60            |
|                                           |                | rising                   | ces61            |
|                                           |                | falling                  | ces62            |
| dvanatst                                  | twelve         | flat                     | ces64            |
|                                           |                | rising                   | ces65            |
|                                           |                | falling                  | ces66            |
| trhinastst                                | thirteen       | flat                     | ces68            |
|                                           |                | rising                   | ces69            |
|                                           |                | falling                  | ces70            |



**Czech audio (Sheet 3 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| chtrnatst                                 | fourteen       | flat                     | ces72            |
|                                           |                | rising                   | ces73            |
|                                           |                | falling                  | ces74            |
| patnatst                                  | fifteen        | flat                     | ces76            |
|                                           |                | rising                   | ces77            |
|                                           |                | falling                  | ces78            |
| shestnatst                                | sixteen        | flat                     | ces80            |
|                                           |                | rising                   | ces81            |
|                                           |                | falling                  | ces82            |
| sedumnatst                                | seventeen      | flat                     | ces84            |
|                                           |                | rising                   | ces85            |
|                                           |                | falling                  | ces86            |
| osumnatst                                 | eighteen       | flat                     | ces88            |
|                                           |                | rising                   | ces89            |
|                                           |                | falling                  | ces90            |
| devatenatst                               | nineteen       | flat                     | ces92            |
|                                           |                | rising                   | ces93            |
|                                           |                | falling                  | ces94            |
| dvatset                                   | twenty         | flat                     | ces96            |
|                                           |                | rising                   | ces97            |
|                                           |                | falling                  | ces98            |
| trhisset                                  | thirty         | flat                     | ces100           |
|                                           |                | rising                   | ces101           |
|                                           |                | falling                  | ces102           |
| chtyrhisset                               | forty          | flat                     | ces104           |
|                                           |                | rising                   | ces105           |
|                                           |                | falling                  | ces106           |

**Czech audio (Sheet 4 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| padesat                                   | fifty          | flat                     | ces108           |
|                                           |                | rising                   | ces109           |
|                                           |                | falling                  | ces110           |
| shedesat                                  | sixty          | flat                     | ces112           |
|                                           |                | rising                   | ces113           |
|                                           |                | falling                  | ces114           |
| sedmdesat                                 | seventy        | flat                     | ces116           |
|                                           |                | rising                   | ces117           |
|                                           |                | falling                  | ces118           |
| osmdesat                                  | eighty         | flat                     | ces120           |
|                                           |                | rising                   | ces121           |
|                                           |                | falling                  | ces122           |
| devadesat                                 | ninety         | flat                     | ces124           |
|                                           |                | rising                   | ces125           |
|                                           |                | falling                  | ces126           |
| sto                                       | hundred        | flat                     | ces128           |
|                                           |                | rising                   | ces129           |
|                                           |                | falling                  | ces130           |
| tiseets                                   | thousand       | flat                     | ces496           |
|                                           |                | rising                   | ces497           |
|                                           |                | falling                  | ces498           |
| miliaun                                   | million        | flat                     | ces500           |
|                                           |                | rising                   | ces501           |
|                                           |                | falling                  | ces502           |
| miliarda                                  | billion        | flat                     | ces504           |
|                                           |                | rising                   | ces505           |
|                                           |                | falling                  | ces506           |

**Czech audio (Sheet 5 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| optional                                  | a              | flat                     | ces508           |
|                                           |                | rising                   | ces509           |
|                                           |                | falling                  | ces510           |
| optional                                  | b              | flat                     | ces512           |
|                                           |                | rising                   | ces513           |
|                                           |                | falling                  | ces514           |
| optional                                  | c              | flat                     | ces516           |
|                                           |                | rising                   | ces517           |
|                                           |                | falling                  | ces518           |
| optional                                  | d              | flat                     | ces520           |
|                                           |                | rising                   | ces521           |
|                                           |                | falling                  | ces522           |
| optional                                  | e              | flat                     | ces524           |
|                                           |                | rising                   | ces525           |
|                                           |                | falling                  | ces526           |
| optional                                  | f              | flat                     | ces528           |
|                                           |                | rising                   | ces529           |
|                                           |                | falling                  | ces530           |
| optional                                  | g              | flat                     | ces532           |
|                                           |                | rising                   | ces533           |
|                                           |                | falling                  | ces534           |
| optional                                  | h              | flat                     | ces536           |
|                                           |                | rising                   | ces537           |
|                                           |                | falling                  | ces538           |
| optional                                  | i              | flat                     | ces540           |
|                                           |                | rising                   | ces541           |
|                                           |                | falling                  | ces542           |

**Czech audio (Sheet 6 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| optional                                  | j              | flat                     | ces544           |
|                                           |                | rising                   | ces545           |
|                                           |                | falling                  | ces546           |
| optional                                  | k              | flat                     | ces548           |
|                                           |                | rising                   | ces549           |
|                                           |                | falling                  | ces550           |
| optional                                  | l              | flat                     | ces552           |
|                                           |                | rising                   | ces553           |
|                                           |                | falling                  | ces554           |
| optional                                  | m              | flat                     | ces556           |
|                                           |                | rising                   | ces557           |
|                                           |                | falling                  | ces558           |
| optional                                  | n              | flat                     | ces560           |
|                                           |                | rising                   | ces561           |
|                                           |                | falling                  | ces562           |
| optional                                  | o              | flat                     | ces564           |
|                                           |                | rising                   | ces565           |
|                                           |                | falling                  | ces566           |
| optional                                  | p              | flat                     | ces568           |
|                                           |                | rising                   | ces569           |
|                                           |                | falling                  | ces570           |
| optional                                  | q              | flat                     | ces572           |
|                                           |                | rising                   | ces573           |
|                                           |                | falling                  | ces574           |
| optional                                  | r              | flat                     | ces576           |
|                                           |                | rising                   | ces577           |
|                                           |                | falling                  | ces578           |

**Czech audio (Sheet 7 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| optional                                  | s              | flat                     | ces580           |
|                                           |                | rising                   | ces581           |
|                                           |                | falling                  | ces582           |
| optional                                  | t              | flat                     | ces584           |
|                                           |                | rising                   | ces585           |
|                                           |                | falling                  | ces586           |
| optional                                  | u              | flat                     | ces588           |
|                                           |                | rising                   | ces589           |
|                                           |                | falling                  | ces590           |
| optional                                  | v              | flat                     | ces592           |
|                                           |                | rising                   | ces593           |
|                                           |                | falling                  | ces594           |
| optional                                  | w              | flat                     | ces596           |
|                                           |                | rising                   | ces597           |
|                                           |                | falling                  | ces598           |
| optional                                  | x              | flat                     | ces600           |
|                                           |                | rising                   | ces601           |
|                                           |                | falling                  | ces602           |
| optional                                  | y              | flat                     | ces604           |
|                                           |                | rising                   | ces605           |
|                                           |                | falling                  | ces606           |
| optional                                  | z              | flat                     | ces608           |
|                                           |                | rising                   | ces609           |
|                                           |                | falling                  | ces610           |
| meenus                                    | negative       | flat                     | ces616           |
|                                           |                | rising                   | ces617           |
|                                           |                | falling                  | ces618           |

**Czech audio (Sheet 8 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| a                                         | and            | flat                     | ces620           |
|                                           |                | rising                   | ces621           |
|                                           |                | falling                  | ces622           |
| hodina                                    | hour           | flat                     | ces624           |
|                                           |                | rising                   | ces625           |
|                                           |                | falling                  | ces626           |
| hodin                                     | hours          | flat                     | ces628           |
|                                           |                | rising                   | ces629           |
|                                           |                | falling                  | ces630           |
| minuta                                    | minute         | flat                     | ces632           |
|                                           |                | rising                   | ces633           |
|                                           |                | falling                  | ces634           |
| minut                                     | minutes        | flat                     | ces636           |
|                                           |                | rising                   | ces637           |
|                                           |                | falling                  | ces638           |
| sekunda                                   | second         | flat                     | ces640           |
|                                           |                | rising                   | ces641           |
|                                           |                | falling                  | ces642           |
| sekund                                    | seconds        | flat                     | ces644           |
|                                           |                | rising                   | ces645           |
|                                           |                | falling                  | ces646           |
| leden                                     | January        | flat                     | ces648           |
|                                           |                | rising                   | ces649           |
|                                           |                | falling                  | ces650           |
| oonor                                     | February       | flat                     | ces652           |
|                                           |                | rising                   | ces653           |
|                                           |                | falling                  | ces654           |

**Czech audio (Sheet 9 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| brhezen                                   | March          | flat                     | ces656           |
|                                           |                | rising                   | ces657           |
|                                           |                | falling                  | ces658           |
| duben                                     | April          | flat                     | ces660           |
|                                           |                | rising                   | ces661           |
|                                           |                | falling                  | ces662           |
| kvyyeten                                  | May            | flat                     | ces664           |
|                                           |                | rising                   | ces665           |
|                                           |                | falling                  | ces666           |
| cherven                                   | June           | flat                     | ces668           |
|                                           |                | rising                   | ces669           |
|                                           |                | falling                  | ces670           |
| chervenets                                | July           | flat                     | ces672           |
|                                           |                | rising                   | ces673           |
|                                           |                | falling                  | ces674           |
| srpen                                     | August         | flat                     | ces676           |
|                                           |                | rising                   | ces677           |
|                                           |                | falling                  | ces678           |
| zarhee                                    | September      | flat                     | ces680           |
|                                           |                | rising                   | ces681           |
|                                           |                | falling                  | ces682           |
| rheeyen                                   | October        | flat                     | ces684           |
|                                           |                | rising                   | ces685           |
|                                           |                | falling                  | ces686           |
| listopad                                  | November       | flat                     | ces688           |
|                                           |                | rising                   | ces689           |
|                                           |                | falling                  | ces690           |

**Czech audio (Sheet 10 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| prosinets                                 | December       | flat                     | ces692           |
|                                           |                | rising                   | ces693           |
|                                           |                | falling                  | ces694           |
| nedyele                                   | Sunday         | flat                     | ces696           |
|                                           |                | rising                   | ces697           |
|                                           |                | falling                  | ces698           |
| pondyelee                                 | Monday         | flat                     | ces700           |
|                                           |                | rising                   | ces701           |
|                                           |                | falling                  | ces702           |
| ooteree                                   | Tuesday        | flat                     | ces704           |
|                                           |                | rising                   | ces705           |
|                                           |                | falling                  | ces706           |
| strheda                                   | Wednesday      | flat                     | ces708           |
|                                           |                | rising                   | ces709           |
|                                           |                | falling                  | ces710           |
| chtvrtek                                  | Thursday       | flat                     | ces712           |
|                                           |                | rising                   | ces713           |
|                                           |                | falling                  | ces714           |
| patek                                     | Friday         | flat                     | ces716           |
|                                           |                | rising                   | ces717           |
|                                           |                | falling                  | ces718           |
| sobota                                    | Saturday       | flat                     | ces720           |
|                                           |                | rising                   | ces721           |
|                                           |                | falling                  | ces722           |
| nultee                                    | zeroeth        | flat                     | ces724           |
|                                           |                | rising                   | ces725           |
|                                           |                | falling                  | ces726           |



**Czech audio (Sheet 11 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b>  | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|-----------------|--------------------------|------------------|
| prvnyee                                   | first           | flat                     | ces728           |
|                                           |                 | rising                   | ces729           |
|                                           |                 | falling                  | ces730           |
| druheee                                   | second (masc.)  | flat                     | ces732           |
|                                           |                 | rising                   | ces733           |
|                                           |                 | falling                  | ces734           |
| trhetyee                                  | third           | flat                     | ces736           |
|                                           |                 | rising                   | ces737           |
|                                           |                 | falling                  | ces738           |
| chtvrtee                                  | fourth (masc.)  | flat                     | ces740           |
|                                           |                 | rising                   | ces741           |
|                                           |                 | falling                  | ces742           |
| patee                                     | fifth (masc.)   | flat                     | ces744           |
|                                           |                 | rising                   | ces745           |
|                                           |                 | falling                  | ces746           |
| shestee                                   | sixth (masc.)   | flat                     | ces748           |
|                                           |                 | rising                   | ces749           |
|                                           |                 | falling                  | ces750           |
| sedmee                                    | seventh (masc.) | flat                     | ces752           |
|                                           |                 | rising                   | ces753           |
|                                           |                 | falling                  | ces754           |
| osmee                                     | eighth (masc.)  | flat                     | ces756           |
|                                           |                 | rising                   | ces757           |
|                                           |                 | falling                  | ces758           |
| devatee                                   | ninth (masc.)   | flat                     | ces760           |
|                                           |                 | rising                   | ces761           |
|                                           |                 | falling                  | ces762           |

**Czech audio (Sheet 12 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b>      | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|---------------------|--------------------------|------------------|
| desatee                                   | tenth (masc.)       | flat                     | ces764           |
|                                           |                     | rising                   | ces765           |
|                                           |                     | falling                  | ces766           |
| yedenatste                                | eleventh (masc.)    | flat                     | ces768           |
|                                           |                     | rising                   | ces769           |
|                                           |                     | falling                  | ces770           |
| dvanatste                                 | twelfth (masc.)     | flat                     | ces772           |
|                                           |                     | rising                   | ces773           |
|                                           |                     | falling                  | ces774           |
| trhinatste                                | thirteenth (masc.)  | flat                     | ces776           |
|                                           |                     | rising                   | ces777           |
|                                           |                     | falling                  | ces778           |
| chtrnatste                                | fourteenth (masc.)  | flat                     | ces780           |
|                                           |                     | rising                   | ces781           |
|                                           |                     | falling                  | ces782           |
| patnatste                                 | fifteenth (masc.)   | flat                     | ces784           |
|                                           |                     | rising                   | ces785           |
|                                           |                     | falling                  | ces786           |
| shestnatste                               | sixteenth (masc.)   | flat                     | ces788           |
|                                           |                     | rising                   | ces789           |
|                                           |                     | falling                  | ces790           |
| sedumnatste                               | seventeenth (masc.) | flat                     | ces792           |
|                                           |                     | rising                   | ces793           |
|                                           |                     | falling                  | ces794           |
| osumnatste                                | eighteenth (masc.)  | flat                     | ces796           |
|                                           |                     | rising                   | ces797           |
|                                           |                     | falling                  | ces798           |

**Czech audio (Sheet 13 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b>     | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|--------------------|--------------------------|------------------|
| devatenatstee                             | nineteenth (masc.) | flat                     | ces800           |
|                                           |                    | rising                   | ces801           |
|                                           |                    | falling                  | ces802           |
| dvatsatee                                 | twentieth (masc.)  | flat                     | ces804           |
|                                           |                    | rising                   | ces805           |
|                                           |                    | falling                  | ces806           |
| trhitsatee                                | thirtieth (masc.)  | flat                     | ces808           |
|                                           |                    | rising                   | ces809           |
|                                           |                    | falling                  | ces810           |
| chtyrhitsatee                             | fortieth (masc.)   | flat                     | ces812           |
|                                           |                    | rising                   | ces813           |
|                                           |                    | falling                  | ces814           |
| padesatee                                 | fiftieth (masc.)   | flat                     | ces816           |
|                                           |                    | rising                   | ces817           |
|                                           |                    | falling                  | ces818           |
| shedesatee                                | sixtieth (masc.)   | flat                     | ces820           |
|                                           |                    | rising                   | ces821           |
|                                           |                    | falling                  | ces822           |
| sedumdesatee                              | seventieth (masc.) | flat                     | ces824           |
|                                           |                    | rising                   | ces825           |
|                                           |                    | falling                  | ces826           |
| osumdesatee                               | eightieth (masc.)  | flat                     | ces828           |
|                                           |                    | rising                   | ces829           |
|                                           |                    | falling                  | ces830           |
| devadesatee                               | ninetieth (masc.)  | flat                     | ces832           |
|                                           |                    | rising                   | ces833           |
|                                           |                    | falling                  | ces834           |

**Czech audio (Sheet 14 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|-----------------------|--------------------------|------------------|
| stee                                      | one-hundredth (masc.) | flat                     | ces836           |
|                                           |                       | rising                   | ces837           |
|                                           |                       | falling                  | ces838           |
| tiseetsee                                 | thousandth (masc.)    | flat                     | ces872           |
|                                           |                       | rising                   | ces873           |
|                                           |                       | falling                  | ces874           |
| miliontee                                 | millionth (masc.)     | flat                     | ces880           |
|                                           |                       | rising                   | ces881           |
|                                           |                       | falling                  | ces882           |
| miliardtee                                | billionth (masc.)     | flat                     | ces888           |
|                                           |                       | rising                   | ces889           |
|                                           |                       | falling                  | ces890           |
| mrheezhka                                 | pound sign<br>(#)     | flat                     | ces896           |
|                                           |                       | rising                   | ces897           |
|                                           |                       | falling                  | ces898           |
| hvyezdichka                               | asterisk<br>(*)       | flat                     | ces900           |
|                                           |                       | rising                   | ces901           |
|                                           |                       | falling                  | ces902           |
| ranho                                     | a.m.                  | flat                     | ces908           |
|                                           |                       | rising                   | ces909           |
|                                           |                       | falling                  | ces910           |
| odpoledne                                 | p.m.                  | flat                     | ces912           |
|                                           |                       | rising                   | ces913           |
|                                           |                       | falling                  | ces914           |
| dolar                                     | dollar<br>(US)        | flat                     | ces1200          |
|                                           |                       | rising                   | ces1201          |
|                                           |                       | falling                  | ces1202          |

**Czech audio (Sheet 15 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|-----------------------|--------------------------|------------------|
| dolaroo                                   | dollars<br>(US)       | flat                     | ces1204          |
|                                           |                       | rising                   | ces1205          |
|                                           |                       | falling                  | ces1206          |
| tsent                                     | cent<br>(US)          | flat                     | ces1208          |
|                                           |                       | rising                   | ces1209          |
|                                           |                       | falling                  | ces1210          |
| tsentoo                                   | cents<br>(US)         | flat                     | ces1212          |
|                                           |                       | rising                   | ces1213          |
|                                           |                       | falling                  | ces1214          |
| mark                                      | mark<br>(Germany)     | flat                     | ces1216          |
|                                           |                       | rising                   | ces1217          |
|                                           |                       | falling                  | ces1218          |
| marks                                     | marks<br>(Germany)    | flat                     | ces1220          |
|                                           |                       | rising                   | ces1221          |
|                                           |                       | falling                  | ces1222          |
| pfennig                                   | pfennig<br>(Germany)  | flat                     | ces1224          |
|                                           |                       | rising                   | ces1225          |
|                                           |                       | falling                  | ces1226          |
| pfennigs                                  | pfennigs<br>(Germany) | flat                     | ces1228          |
|                                           |                       | rising                   | ces1229          |
|                                           |                       | falling                  | ces1230          |
| yen                                       | yen<br>(Japan)        | flat                     | ces1232          |
|                                           |                       | rising                   | ces1233          |
|                                           |                       | falling                  | ces1234          |
| yens                                      | yens<br>(Japan)       | flat                     | ces1236          |
|                                           |                       | rising                   | ces1237          |
|                                           |                       | falling                  | ces1238          |

**Czech audio (Sheet 16 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|---------------------------|--------------------------|------------------|
| lira                                      | lira<br>(Italy)           | flat                     | ces1240          |
|                                           |                           | rising                   | ces1241          |
|                                           |                           | falling                  | ces1242          |
| lire                                      | liras<br>(Italy)          | flat                     | ces1244          |
|                                           |                           | rising                   | ces1245          |
|                                           |                           | falling                  | ces1246          |
| guilder                                   | guilder<br>(Netherlands)  | flat                     | ces1248          |
|                                           |                           | rising                   | ces1249          |
|                                           |                           | falling                  | ces1250          |
| guilders                                  | guilders<br>(Netherlands) | flat                     | ces1252          |
|                                           |                           | rising                   | ces1253          |
|                                           |                           | falling                  | ces1254          |
| cent                                      | cent<br>(Netherlands)     | flat                     | ces1256          |
|                                           |                           | rising                   | ces1257          |
|                                           |                           | falling                  | ces1258          |
| cent                                      | cents<br>(Netherlands)    | flat                     | ces1260          |
|                                           |                           | rising                   | ces1261          |
|                                           |                           | falling                  | ces1262          |
| pound                                     | pound<br>(UK)             | flat                     | ces1264          |
|                                           |                           | rising                   | ces1265          |
|                                           |                           | falling                  | ces1266          |
| pounds                                    | pounds<br>(UK)            | flat                     | ces1268          |
|                                           |                           | rising                   | ces1269          |
|                                           |                           | falling                  | ces1270          |
| penny                                     | penny<br>(UK)             | flat                     | ces1272          |
|                                           |                           | rising                   | ces1273          |
|                                           |                           | falling                  | ces1274          |

**Czech audio (Sheet 17 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b>       | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------------|--------------------------|------------------|
| pence                                     | pence<br>(UK)        | flat                     | ces1276          |
|                                           |                      | rising                   | ces1277          |
|                                           |                      | falling                  | ces1278          |
| e-uro                                     | euro<br>(Euro)       | flat                     | ces1280          |
|                                           |                      | rising                   | ces1281          |
|                                           |                      | falling                  | ces1282          |
| e-ur                                      | euros<br>(Euro)      | flat                     | ces1284          |
|                                           |                      | rising                   | ces1285          |
|                                           |                      | falling                  | ces1286          |
| e-urotsent                                | eurocent<br>(Euro)   | flat                     | ces1288          |
|                                           |                      | rising                   | ces1289          |
|                                           |                      | falling                  | ces1290          |
| e-urotsentoo                              | eurocents<br>(Euro)  | flat                     | ces1292          |
|                                           |                      | rising                   | ces1293          |
|                                           |                      | falling                  | ces1294          |
| frank                                     | franc<br>(France)    | flat                     | ces1296          |
|                                           |                      | rising                   | ces1297          |
|                                           |                      | falling                  | ces1298          |
| frankoo                                   | francs<br>(France)   | flat                     | ces1300          |
|                                           |                      | rising                   | ces1301          |
|                                           |                      | falling                  | ces1302          |
| tsentime                                  | centime<br>(France)  | flat                     | ces1304          |
|                                           |                      | rising                   | ces1305          |
|                                           |                      | falling                  | ces1306          |
| tsentimoo                                 | centimes<br>(France) | flat                     | ces1308          |
|                                           |                      | rising                   | ces1309          |
|                                           |                      | falling                  | ces1310          |

**Czech audio (Sheet 18 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|---------------------------|--------------------------|------------------|
| peseta                                    | peseta<br>(Spain)         | flat                     | ces1312          |
|                                           |                           | rising                   | ces1313          |
|                                           |                           | falling                  | ces1314          |
| pesetas                                   | pesetas<br>(Spain)        | flat                     | ces1316          |
|                                           |                           | rising                   | ces1317          |
|                                           |                           | falling                  | ces1318          |
| peso                                      | peso<br>(Philippines)     | flat                     | ces1328          |
|                                           |                           | rising                   | ces1329          |
|                                           |                           | falling                  | ces1330          |
| pesos                                     | pesos<br>(Philippines)    | flat                     | ces1332          |
|                                           |                           | rising                   | ces1333          |
|                                           |                           | falling                  | ces1334          |
| centavo                                   | centavo<br>(Philippines)  | flat                     | ces1336          |
|                                           |                           | rising                   | ces1337          |
|                                           |                           | falling                  | ces1338          |
| centavos                                  | centavos<br>(Philippines) | flat                     | ces1340          |
|                                           |                           | rising                   | ces1341          |
|                                           |                           | falling                  | ces1342          |
| ringgit                                   | ringgit<br>(Malaysia)     | flat                     | ces1344          |
|                                           |                           | rising                   | ces1345          |
|                                           |                           | falling                  | ces1346          |
| ringgits                                  | ringgits<br>(Malaysia)    | flat                     | ces1348          |
|                                           |                           | rising                   | ces1349          |
|                                           |                           | falling                  | ces1350          |
| sen                                       | sens<br>(Malaysia)        | flat                     | ces1356          |
|                                           |                           | rising                   | ces1357          |
|                                           |                           | falling                  | ces1358          |



**Czech audio (Sheet 19 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|-----------------------|--------------------------|------------------|
| sens                                      | sen<br>(Malaysia)     | flat                     | ces1352          |
|                                           |                       | rising                   | ces1353          |
|                                           |                       | falling                  | ces1354          |
| baht                                      | baht<br>(Thailand)    | flat                     | ces1360          |
|                                           |                       | rising                   | ces1361          |
|                                           |                       | falling                  | ces1362          |
| bahts                                     | bahts<br>(Thailand)   | flat                     | ces1364          |
|                                           |                       | rising                   | ces1365          |
|                                           |                       | falling                  | ces1366          |
| satang                                    | satang<br>(Thailand)  | flat                     | ces1368          |
|                                           |                       | rising                   | ces1369          |
|                                           |                       | falling                  | ces1370          |
| satangs                                   | satangs<br>(Thailand) | flat                     | ces1372          |
|                                           |                       | rising                   | ces1373          |
|                                           |                       | falling                  | ces1374          |
| won                                       | won<br>(Korea)        | flat                     | ces1376          |
|                                           |                       | rising                   | ces1377          |
|                                           |                       | falling                  | ces1378          |
| wons                                      | wons<br>(Korea)       | flat                     | ces1380          |
|                                           |                       | rising                   | ces1381          |
|                                           |                       | falling                  | ces1382          |
| franc                                     | franc<br>(Belgium)    | flat                     | ces1384          |
|                                           |                       | rising                   | ces1385          |
|                                           |                       | falling                  | ces1386          |
| francs                                    | francs<br>(Belgium)   | flat                     | ces1388          |
|                                           |                       | rising                   | ces1389          |
|                                           |                       | falling                  | ces1390          |

**Czech audio (Sheet 20 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|------------------------|--------------------------|------------------|
| centime                                   | centime<br>(Belgium)   | flat                     | ces1392          |
|                                           |                        | rising                   | ces1393          |
|                                           |                        | falling                  | ces1394          |
| centimes                                  | centimes<br>(Belgium)  | flat                     | ces1396          |
|                                           |                        | rising                   | ces1397          |
|                                           |                        | falling                  | ces1398          |
| dollar                                    | dollar<br>(Canada)     | flat                     | ces1400          |
|                                           |                        | rising                   | ces1401          |
|                                           |                        | falling                  | ces1402          |
| dollars                                   | dollars<br>(Canada)    | flat                     | ces1404          |
|                                           |                        | rising                   | ces1405          |
|                                           |                        | falling                  | ces1406          |
| cent                                      | cent<br>(Canada)       | flat                     | ces1408          |
|                                           |                        | rising                   | ces1409          |
|                                           |                        | falling                  | ces1410          |
| cents                                     | cents<br>(Canada)      | flat                     | ces1412          |
|                                           |                        | rising                   | ces1413          |
|                                           |                        | falling                  | ces1414          |
| dollar                                    | dollar<br>(Hong Kong)  | flat                     | ces1416          |
|                                           |                        | rising                   | ces1417          |
|                                           |                        | falling                  | ces1418          |
| dollars                                   | dollars<br>(Hong Kong) | flat                     | ces1420          |
|                                           |                        | rising                   | ces1421          |
|                                           |                        | falling                  | ces1422          |
| cent                                      | cent<br>(Hong Kong)    | flat                     | ces1424          |
|                                           |                        | rising                   | ces1425          |
|                                           |                        | falling                  | ces1426          |

**Czech audio (Sheet 21 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|------------------------|--------------------------|------------------|
| cents                                     | cents<br>(Hong Kong)   | flat                     | ces1428          |
|                                           |                        | rising                   | ces1429          |
|                                           |                        | falling                  | ces1430          |
| gok                                       | gok<br>(Hong Kong)     | flat                     | ces1488          |
|                                           |                        | rising                   | ces1489          |
|                                           |                        | falling                  | ces1490          |
| Goks                                      | goks<br>(Hong Kong)    | flat                     | ces1492          |
|                                           |                        | rising                   | ces1493          |
|                                           |                        | falling                  | ces1494          |
| escudo                                    | escudo<br>(Portugal)   | flat                     | ces1432          |
|                                           |                        | rising                   | ces1433          |
|                                           |                        | falling                  | ces1434          |
| escudos                                   | escudos<br>(Portugal)  | flat                     | ces1436          |
|                                           |                        | rising                   | ces1437          |
|                                           |                        | falling                  | ces1438          |
| centavo                                   | centavo<br>(Portugal)  | flat                     | ces1440          |
|                                           |                        | rising                   | ces1441          |
|                                           |                        | falling                  | ces1442          |
| centavos                                  | centavos<br>(Portugal) | flat                     | ces1444          |
|                                           |                        | rising                   | ces1445          |
|                                           |                        | falling                  | ces1446          |
| yuan                                      | yuan<br>(China)        | flat                     | ces1448          |
|                                           |                        | rising                   | ces1449          |
|                                           |                        | falling                  | ces1450          |
| yuans                                     | yuans<br>(China)       | flat                     | ces1452          |
|                                           |                        | rising                   | ces1453          |
|                                           |                        | falling                  | ces1454          |

**Czech audio (Sheet 22 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b>      | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|---------------------|--------------------------|------------------|
| jiao                                      | jiao<br>(China)     | flat                     | ces1456          |
|                                           |                     | rising                   | ces1457          |
|                                           |                     | falling                  | ces1458          |
| jiaos                                     | jiaos<br>(China)    | flat                     | ces1460          |
|                                           |                     | rising                   | ces1461          |
|                                           |                     | falling                  | ces1462          |
| fen                                       | fen<br>(China)      | flat                     | ces1464          |
|                                           |                     | rising                   | ces1465          |
|                                           |                     | falling                  | ces1466          |
| fens                                      | fens<br>(China)     | flat                     | ces1468          |
|                                           |                     | rising                   | ces1469          |
|                                           |                     | falling                  | ces1470          |
| pound                                     | pound<br>(Ireland)  | flat                     | ces1472          |
|                                           |                     | rising                   | ces1473          |
|                                           |                     | falling                  | ces1474          |
| pounds                                    | pounds<br>(Ireland) | flat                     | ces1476          |
|                                           |                     | rising                   | ces1477          |
|                                           |                     | falling                  | ces1478          |
| penny                                     | penny<br>(Ireland)  | flat                     | ces1480          |
|                                           |                     | rising                   | ces1481          |
|                                           |                     | falling                  | ces1482          |
| pence                                     | pence<br>(Ireland)  | flat                     | ces1484          |
|                                           |                     | rising                   | ces1485          |
|                                           |                     | falling                  | ces1486          |
| shekel                                    | shekel<br>(Israel)  | flat                     | ces4000          |
|                                           |                     | rising                   | ces4001          |
|                                           |                     | falling                  | ces4002          |

**Czech audio (Sheet 23 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b>      | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|---------------------|--------------------------|------------------|
| shekels                                   | shekels<br>(Israel) | flat                     | ces4004          |
|                                           |                     | rising                   | ces4005          |
|                                           |                     | falling                  | ces4006          |
| agoro                                     | agoro<br>(Israel)   | flat                     | ces4008          |
|                                           |                     | rising                   | ces4009          |
|                                           |                     | falling                  | ces4010          |
| agoros                                    | agoros<br>(Israel)  | flat                     | ces4012          |
|                                           |                     | rising                   | ces4013          |
|                                           |                     | falling                  | ces4014          |
| koruna                                    | koruna<br>(Czech)   | flat                     | ces4016          |
|                                           |                     | rising                   | ces4017          |
|                                           |                     | falling                  | ces4018          |
| korun                                     | korunas<br>(Czech)  | flat                     | ces4020          |
|                                           |                     | rising                   | ces4021          |
|                                           |                     | falling                  | ces4022          |
| haleru                                    | haleru<br>(Czech)   | flat                     | ces4024          |
|                                           |                     | rising                   | ces4025          |
|                                           |                     | falling                  | ces4026          |
| haleroo                                   | halerus<br>(Czech)  | flat                     | ces4028          |
|                                           |                     | rising                   | ces4029          |
|                                           |                     | falling                  | ces4030          |
| lira                                      | lira<br>(Turkey)    | flat                     | ces4032          |
|                                           |                     | rising                   | ces4033          |
|                                           |                     | falling                  | ces4034          |
| lire                                      | lire<br>(Turkey)    | flat                     | ces4036          |
|                                           |                     | rising                   | ces4037          |
|                                           |                     | falling                  | ces4038          |

**Czech audio (Sheet 24 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b>       | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------------|--------------------------|------------------|
| dratshma                                  | drachma<br>(Greece)  | flat                     | ces4040          |
|                                           |                      | rising                   | ces4041          |
|                                           |                      | falling                  | ces4042          |
| drachmas                                  | drachmas<br>(Greece) | flat                     | ces4044          |
|                                           |                      | rising                   | ces4045          |
|                                           |                      | falling                  | ces4046          |
| dong                                      | dong<br>(Vietnam)    | flat                     | ces4048          |
|                                           |                      | rising                   | ces4049          |
|                                           |                      | falling                  | ces4050          |
| dongs                                     | dongs<br>(Vietnam)   | flat                     | ces4052          |
|                                           |                      | rising                   | ces4053          |
|                                           |                      | falling                  | ces4054          |
| rupi-e                                    | rupee<br>(India)     | flat                     | ces4056          |
|                                           |                      | rising                   | ces4057          |
|                                           |                      | falling                  | ces4058          |
| rupi-ee                                   | rupees<br>(India)    | flat                     | ces4060          |
|                                           |                      | rising                   | ces4061          |
|                                           |                      | falling                  | ces4062          |
| paisa                                     | paisa<br>(India)     | flat                     | ces4064          |
|                                           |                      | rising                   | ces4065          |
|                                           |                      | falling                  | ces4066          |
| paisoo                                    | paisas<br>(India)    | flat                     | ces4068          |
|                                           |                      | rising                   | ces4069          |
|                                           |                      | falling                  | ces4070          |
| yedna                                     | one (fem.)           | flat                     | ces920           |
|                                           |                      | rising                   | ces921           |
|                                           |                      | falling                  | ces922           |

**Czech audio (Sheet 25 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b>                                | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|-----------------------------------------------|--------------------------|------------------|
| yedno                                     | one (neuter)                                  | flat                     | ces924           |
|                                           |                                               | rising                   | ces925           |
|                                           |                                               | falling                  | ces926           |
| dvye                                      | two (fem. and neuter)                         | flat                     | ces928           |
|                                           |                                               | rising                   | ces929           |
|                                           |                                               | falling                  | ces930           |
| sta                                       | hundreds (200 to 400)                         | flat                     | ces932           |
|                                           |                                               | rising                   | ces933           |
|                                           |                                               | falling                  | ces934           |
| set                                       | hundreds (500 to 900)                         | flat                     | ces936           |
|                                           |                                               | rising                   | ces937           |
|                                           |                                               | falling                  | ces938           |
| tiseetse                                  | thousands (2000 to 4000)                      | flat                     | ces940           |
|                                           |                                               | rising                   | ces941           |
|                                           |                                               | falling                  | ces942           |
| miliauny                                  | millions (2 million to 4 million)             | flat                     | ces944           |
|                                           |                                               | rising                   | ces945           |
|                                           |                                               | falling                  | ces946           |
| miliaunoo                                 | millions (5 million through <i>n</i> million) | flat                     | ces948           |
|                                           |                                               | rising                   | ces949           |
|                                           |                                               | falling                  | ces950           |
| miliardy                                  | billions (2 billion to 4 billion)             | flat                     | ces952           |
|                                           |                                               | rising                   | ces953           |
|                                           |                                               | falling                  | ces954           |
| miliard                                   | billions (5 billion through <i>n</i> billion) | flat                     | ces956           |
|                                           |                                               | rising                   | ces957           |
|                                           |                                               | falling                  | ces958           |

**Czech audio (Sheet 26 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b>               | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|------------------------------|--------------------------|------------------|
| hodiny                                    | hours (for 2 to 4 hours)     | flat                     | ces960           |
|                                           |                              | rising                   | ces961           |
|                                           |                              | falling                  | ces962           |
| minuty                                    | minutes (for 2 to 4 minutes) | flat                     | ces964           |
|                                           |                              | rising                   | ces965           |
|                                           |                              | falling                  | ces966           |
| sekundy                                   | seconds (for 2 to r seconds) | flat                     | ces968           |
|                                           |                              | rising                   | ces969           |
|                                           |                              | falling                  | ces970           |
| dolary                                    | dollars (US)                 | flat                     | ces972           |
|                                           |                              | rising                   | ces973           |
|                                           |                              | falling                  | ces974           |
| tsenty                                    | cents (US)                   | flat                     | ces976           |
|                                           |                              | rising                   | ces977           |
|                                           |                              | falling                  | ces978           |
| e-ura                                     | euros (Euro)                 | flat                     | ces980           |
|                                           |                              | rising                   | ces981           |
|                                           |                              | falling                  | ces982           |
| e-urotsenty                               | eurocents (Euro)             | flat                     | ces984           |
|                                           |                              | rising                   | ces985           |
|                                           |                              | falling                  | ces986           |
| rupie                                     | rupees (India)               | flat                     | ces988           |
|                                           |                              | rising                   | ces989           |
|                                           |                              | falling                  | ces990           |
| paisy                                     | paisas (India)               | flat                     | ces992           |
|                                           |                              | rising                   | ces993           |
|                                           |                              | falling                  | ces994           |



**Czech audio (Sheet 27 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b>     | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|--------------------|--------------------------|------------------|
| franky                                    | francs (France)    | flat                     | ces996           |
|                                           |                    | rising                   | ces997           |
|                                           |                    | falling                  | ces998           |
| tsentimy                                  | centimes (France)  | flat                     | ces1000          |
|                                           |                    | rising                   | ces1001          |
|                                           |                    | falling                  | ces1002          |
| koruny                                    | korunas (Czech)    | flat                     | ces1004          |
|                                           |                    | rising                   | ces1005          |
|                                           |                    | falling                  | ces1006          |
| halaery                                   | halerus (Czech)    | flat                     | ces1008          |
|                                           |                    | rising                   | ces1009          |
|                                           |                    | falling                  | ces1010          |
| perv-nee-ho                               | first (for dates)  | flat                     | ces1012          |
|                                           |                    | rising                   | ces1013          |
|                                           |                    | falling                  | ces1014          |
| droo-heh-ho                               | second (for dates) | flat                     | ces1016          |
|                                           |                    | rising                   | ces1017          |
|                                           |                    | falling                  | ces1018          |
| trzh-et-ee-ho                             | third (for dates)  | flat                     | ces1020          |
|                                           |                    | rising                   | ces1021          |
|                                           |                    | falling                  | ces1022          |
| chet-vert-eh-ho                           | fourth (for dates) | flat                     | ces1024          |
|                                           |                    | rising                   | ces1025          |
|                                           |                    | falling                  | ces1026          |
| pah-teh-ho                                | fifth (for dates)  | flat                     | ces1028          |
|                                           |                    | rising                   | ces1029          |
|                                           |                    | falling                  | ces1030          |

**Czech audio (Sheet 28 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|------------------------|--------------------------|------------------|
| shes-teh-ho                               | sixth (for dates)      | flat                     | ces1032          |
|                                           |                        | rising                   | ces1033          |
|                                           |                        | falling                  | ces1034          |
| sed-meh-ho                                | seventh (for dates)    | flat                     | ces1036          |
|                                           |                        | rising                   | ces1037          |
|                                           |                        | falling                  | ces1038          |
| ausmeh-ho                                 | eighth (for dates)     | flat                     | ces1040          |
|                                           |                        | rising                   | ces1041          |
|                                           |                        | falling                  | ces1042          |
| deh-vah-teh-ho                            | ninth (for dates)      | flat                     | ces1044          |
|                                           |                        | rising                   | ces1045          |
|                                           |                        | falling                  | ces1046          |
| deh-sah-teh-ho                            | tenth (for dates)      | flat                     | ces1048          |
|                                           |                        | rising                   | ces1049          |
|                                           |                        | falling                  | ces1050          |
| yedenatsteho                              | eleventh (for dates)   | flat                     | ces1052          |
|                                           |                        | rising                   | ces1053          |
|                                           |                        | falling                  | ces1054          |
| dvanatsteho                               | twelfth (for dates)    | flat                     | ces1056          |
|                                           |                        | rising                   | ces1057          |
|                                           |                        | falling                  | ces1058          |
| trhiniatsteho                             | thirteenth (for dates) | flat                     | ces1060          |
|                                           |                        | rising                   | ces1061          |
|                                           |                        | falling                  | ces1062          |
| chtrnatsteho                              | fourteenth (for dates) | flat                     | ces1064          |
|                                           |                        | rising                   | ces1065          |
|                                           |                        | falling                  | ces1066          |

**Czech audio (Sheet 29 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b>          | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|-------------------------|--------------------------|------------------|
| patnatsteho                               | fifteenth (for dates)   | flat                     | ces1068          |
|                                           |                         | rising                   | ces1069          |
|                                           |                         | falling                  | ces1070          |
| shestnatsteho                             | sixteenth (for dates)   | flat                     | ces1072          |
|                                           |                         | rising                   | ces1073          |
|                                           |                         | falling                  | ces1074          |
| sedumnatsteho                             | seventeenth (for dates) | flat                     | ces1076          |
|                                           |                         | rising                   | ces1077          |
|                                           |                         | falling                  | ces1078          |
| osumnatsteho                              | eighteenth (for dates)  | flat                     | ces1080          |
|                                           |                         | rising                   | ces1081          |
|                                           |                         | falling                  | ces1082          |
| devatenatsteho                            | nineteenth (for dates)  | flat                     | ces1084          |
|                                           |                         | rising                   | ces1085          |
|                                           |                         | falling                  | ces1086          |
| dvatsateho                                | twentieth (for dates)   | flat                     | ces1088          |
|                                           |                         | rising                   | ces1089          |
|                                           |                         | falling                  | ces1090          |
| trhitsateho                               | thirtieth (for dates)   | flat                     | ces1092          |
|                                           |                         | rising                   | ces1093          |
|                                           |                         | falling                  | ces1094          |
| ledna                                     | january                 | flat                     | ces1096          |
|                                           |                         | rising                   | ces1097          |
|                                           |                         | falling                  | ces1098          |
| oonora                                    | february                | flat                     | ces1100          |
|                                           |                         | rising                   | ces1101          |
|                                           |                         | falling                  | ces1102          |

**Czech audio (Sheet 30 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| brhezna                                   | march          | flat                     | ces1104          |
|                                           |                | rising                   | ces1105          |
|                                           |                | falling                  | ces1106          |
| dubna                                     | april          | flat                     | ces1108          |
|                                           |                | rising                   | ces1109          |
|                                           |                | falling                  | ces1110          |
| kvyetena                                  | may            | flat                     | ces1112          |
|                                           |                | rising                   | ces1113          |
|                                           |                | falling                  | ces1114          |
| chervena                                  | june           | flat                     | ces1116          |
|                                           |                | rising                   | ces1117          |
|                                           |                | falling                  | ces1118          |
| chervenetsa                               | july           | flat                     | ces1120          |
|                                           |                | rising                   | ces1121          |
|                                           |                | falling                  | ces1122          |
| srpena                                    | august         | flat                     | ces1124          |
|                                           |                | rising                   | ces1125          |
|                                           |                | falling                  | ces1126          |
| rheeyena                                  | october        | flat                     | ces1128          |
|                                           |                | rising                   | ces1129          |
|                                           |                | falling                  | ces1130          |
| listopada                                 | november       | flat                     | ces1132          |
|                                           |                | rising                   | ces1133          |
|                                           |                | falling                  | ces1134          |
| prosinetsa                                | december       | flat                     | ces1136          |
|                                           |                | rising                   | ces1137          |
|                                           |                | falling                  | ces1138          |

**Czech audio (Sheet 31 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b>           | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|--------------------------|--------------------------|------------------|
| dvouh                                     | two                      | flat                     | ces1140          |
|                                           |                          | rising                   | ces1141          |
|                                           |                          | falling                  | ces1142          |
| trzhee                                    | three                    | flat                     | ces1144          |
|                                           |                          | rising                   | ces1145          |
|                                           |                          | falling                  | ces1146          |
| chetirz                                   | four                     | flat                     | ces1148          |
|                                           |                          | rising                   | ces1149          |
|                                           |                          | falling                  | ces1150          |
| pyeti                                     | five                     | flat                     | ces1152          |
|                                           |                          | rising                   | ces1153          |
|                                           |                          | falling                  | ces1154          |
| shesti                                    | six                      | flat                     | ces1156          |
|                                           |                          | rising                   | ces1157          |
|                                           |                          | falling                  | ces1158          |
| sedmi                                     | seven                    | flat                     | ces1160          |
|                                           |                          | rising                   | ces1161          |
|                                           |                          | falling                  | ces1162          |
| osmi                                      | eight                    | flat                     | ces1164          |
|                                           |                          | rising                   | ces1165          |
|                                           |                          | falling                  | ces1166          |
| devee                                     | nine                     | flat                     | ces1168          |
|                                           |                          | rising                   | ces1169          |
|                                           |                          | falling                  | ces1170          |
| poolnots                                  | midnight<br>(00:00 a.m.) | flat                     | ces1172          |
|                                           |                          | rising                   | ces1173          |
|                                           |                          | falling                  | ces1174          |

**Czech audio (Sheet 32 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b>                              | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|---------------------------------------------|--------------------------|------------------|
| po poolnotsi                              | after midnight<br>(00:01 a.m. to 00:59a.m.) | flat                     | ces1176          |
|                                           |                                             | rising                   | ces1177          |
|                                           |                                             | falling                  | ces1178          |
| ranho                                     | morning<br>(1:00 a.m. to 11:00 a.m.)        | flat                     | ces1180          |
|                                           |                                             | rising                   | ces1181          |
|                                           |                                             | falling                  | ces1182          |
| poledne                                   | noon<br>(12:00 p.m.)                        | flat                     | ces1184          |
|                                           |                                             | rising                   | ces1185          |
|                                           |                                             | falling                  | ces1186          |
| odpoledne                                 | afternoon<br>(12:01 p.m. to 4:00 p.m.)      | flat                     | ces1188          |
|                                           |                                             | rising                   | ces1189          |
|                                           |                                             | falling                  | ces1190          |
| vecher                                    | evening<br>(5:00 p.m. to 7:00 p.m.)         | flat                     | ces1192          |
|                                           |                                             | rising                   | ces1193          |
|                                           |                                             | falling                  | ces1194          |
| v notsi                                   | night<br>(8:00 p.m. to 11:00 p.m.)          | flat                     | ces1196          |
|                                           |                                             | rising                   | ces1197          |
|                                           |                                             | falling                  | ces1198          |
| druha                                     | second<br>(fem)                             | flat                     | ces1500          |
|                                           |                                             | rising                   | ces1501          |
|                                           |                                             | falling                  | ces1502          |
| chtvrta                                   | fourth<br>(fem)                             | flat                     | ces1504          |
|                                           |                                             | rising                   | ces1505          |
|                                           |                                             | falling                  | ces1506          |
| pata                                      | fifth<br>(fem)                              | flat                     | ces1508          |
|                                           |                                             | rising                   | ces1509          |
|                                           |                                             | falling                  | ces1510          |

**Czech audio (Sheet 33 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| shesta                                    | sixth          | flat                     | ces1512          |
|                                           | (fem)          | rising                   | ces1513          |
|                                           |                | falling                  | ces1514          |
| sedma                                     | seventh        | flat                     | ces1516          |
|                                           | (fem)          | rising                   | ces1517          |
|                                           |                | falling                  | ces1518          |
| osma                                      | eighth         | flat                     | ces1520          |
|                                           | (fem)          | rising                   | ces1521          |
|                                           |                | falling                  | ces1522          |
| devata                                    | ninth          | flat                     | ces1524          |
|                                           | (fem)          | rising                   | ces1525          |
|                                           |                | falling                  | ces1526          |
| desata                                    | tenth          | flat                     | ces1528          |
|                                           | (fem)          | rising                   | ces1529          |
|                                           |                | falling                  | ces1530          |
| yedenatsta                                | eleventh       | flat                     | ces1532          |
|                                           | (fem)          | rising                   | ces1533          |
|                                           |                | falling                  | ces1534          |
| dvanatsta                                 | twelfth        | flat                     | ces1536          |
|                                           | (fem)          | rising                   | ces1537          |
|                                           |                | falling                  | ces1538          |
| trhinatsta                                | thirteenth     | flat                     | ces1540          |
|                                           | (fem)          | rising                   | ces1541          |
|                                           |                | falling                  | ces1542          |
| chtrnatsta                                | fourteenth     | flat                     | ces1544          |
|                                           | (fem)          | rising                   | ces1545          |
|                                           |                | falling                  | ces1546          |

**Czech audio (Sheet 34 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| patnatsta                                 | fifteenth      | flat                     | ces1548          |
|                                           | (fem)          | rising                   | ces1549          |
|                                           |                | falling                  | ces1550          |
| shestnatsta                               | sixteenth      | flat                     | ces1552          |
|                                           | (fem)          | rising                   | ces1553          |
|                                           |                | falling                  | ces1554          |
| sedumnatsta                               | seventeenth    | flat                     | ces1556          |
|                                           | (fem)          | rising                   | ces1557          |
|                                           |                | falling                  | ces1558          |
| osumnatsta                                | eighteenth     | flat                     | ces1560          |
|                                           | (fem)          | rising                   | ces1561          |
|                                           |                | falling                  | ces1562          |
| devatenatsta                              | nineteenth     | flat                     | ces1564          |
|                                           | (fem)          | rising                   | ces1565          |
|                                           |                | falling                  | ces1566          |
| dvatsata                                  | twentieth      | flat                     | ces1568          |
|                                           | (fem)          | rising                   | ces1569          |
|                                           |                | falling                  | ces1570          |
| trhitsata                                 | thirtieth      | flat                     | ces1572          |
|                                           | (fem)          | rising                   | ces1573          |
|                                           |                | falling                  | ces1574          |
| chtyrhitsata                              | fortieth       | flat                     | ces1576          |
|                                           | (fem)          | rising                   | ces1577          |
|                                           |                | falling                  | ces1578          |
| padeasata                                 | fiftieth       | flat                     | ces1580          |
|                                           | (fem)          | rising                   | ces1581          |
|                                           |                | falling                  | ces1582          |



**Czech audio (Sheet 35 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| shedesata                                 | sixtieth       | flat                     | ces1584          |
|                                           | (fem)          | rising                   | ces1585          |
|                                           |                | falling                  | ces1586          |
| sedumdesata                               | seventieth     | flat                     | ces1588          |
|                                           | (fem)          | rising                   | ces1589          |
|                                           |                | falling                  | ces1590          |
| osumdesata                                | eightieth      | flat                     | ces1592          |
|                                           | (fem)          | rising                   | ces1593          |
|                                           |                | falling                  | ces1594          |
| devadesata                                | ninetieth      | flat                     | ces1596          |
|                                           | (fem)          | rising                   | ces1597          |
|                                           |                | falling                  | ces1598          |
| sta                                       | hundredth      | flat                     | ces1600          |
|                                           | (fem)          | rising                   | ces1601          |
|                                           |                | falling                  | ces1602          |
| tiseetsa                                  | thousandth     | flat                     | ces1604          |
|                                           | (fem)          | rising                   | ces1605          |
|                                           |                | falling                  | ces1606          |
| milionta                                  | millionth      | flat                     | ces1608          |
|                                           | (fem)          | rising                   | ces1609          |
|                                           |                | falling                  | ces1610          |
| miliardta                                 | billionth      | flat                     | ces1612          |
|                                           | (fem)          | rising                   | ces1613          |
|                                           |                | falling                  | ces1614          |
| druhae                                    | second         | flat                     | ces1616          |
|                                           | (neuter)       | rising                   | ces1617          |
|                                           |                | falling                  | ces1618          |

**Czech audio (Sheet 36 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b>       | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------------|--------------------------|------------------|
| chvrtae                                   | fourth<br>(neuter)   | flat                     | ces1620          |
|                                           |                      | rising                   | ces1621          |
|                                           |                      | falling                  | ces1622          |
| patae                                     | fifth<br>(neuter)    | flat                     | ces1624          |
|                                           |                      | rising                   | ces1625          |
|                                           |                      | falling                  | ces1626          |
| shetae                                    | sixth<br>(neuter)    | flat                     | ces1628          |
|                                           |                      | rising                   | ces1629          |
|                                           |                      | falling                  | ces1630          |
| sedmae                                    | seventh<br>(neuter)  | flat                     | ces1632          |
|                                           |                      | rising                   | ces1633          |
|                                           |                      | falling                  | ces1634          |
| osmae                                     | eighth<br>(neuter)   | flat                     | ces1636          |
|                                           |                      | rising                   | ces1637          |
|                                           |                      | falling                  | ces1638          |
| devatae                                   | ninth<br>(neuter)    | flat                     | ces1640          |
|                                           |                      | rising                   | ces1641          |
|                                           |                      | falling                  | ces1642          |
| desatae                                   | tenth<br>(neuter)    | flat                     | ces1644          |
|                                           |                      | rising                   | ces1645          |
|                                           |                      | falling                  | ces1646          |
| yedenatstae                               | eleventh<br>(neuter) | flat                     | ces1648          |
|                                           |                      | rising                   | ces1649          |
|                                           |                      | falling                  | ces1650          |
| dvanatstae                                | twelfth<br>(neuter)  | flat                     | ces1652          |
|                                           |                      | rising                   | ces1653          |
|                                           |                      | falling                  | ces1654          |

**Czech audio (Sheet 37 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b>          | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|-------------------------|--------------------------|------------------|
| trhinatstae                               | thirteenth<br>(neuter)  | flat                     | ces1656          |
|                                           |                         | rising                   | ces1657          |
|                                           |                         | falling                  | ces1658          |
| chtrnatstae                               | fourteenth<br>(neuter)  | flat                     | ces1660          |
|                                           |                         | rising                   | ces1661          |
|                                           |                         | falling                  | ces1662          |
| patnatstae                                | fifteenth<br>(neuter)   | flat                     | ces1664          |
|                                           |                         | rising                   | ces1665          |
|                                           |                         | falling                  | ces1666          |
| shestnatstae                              | sixteenth<br>(neuter)   | flat                     | ces1668          |
|                                           |                         | rising                   | ces1669          |
|                                           |                         | falling                  | ces1670          |
| sedumnatstae                              | seventeenth<br>(neuter) | flat                     | ces1672          |
|                                           |                         | rising                   | ces1673          |
|                                           |                         | falling                  | ces1674          |
| osumnatstae                               | eighteenth<br>(neuter)  | flat                     | ces1676          |
|                                           |                         | rising                   | ces1677          |
|                                           |                         | falling                  | ces1678          |
| devatenatstae                             | nineteenth<br>(neuter)  | flat                     | ces1680          |
|                                           |                         | rising                   | ces1681          |
|                                           |                         | falling                  | ces1682          |
| dvatsatae                                 | twentieth<br>(neuter)   | flat                     | ces1684          |
|                                           |                         | rising                   | ces1685          |
|                                           |                         | falling                  | ces1686          |
| trhisatae                                 | thirtieth<br>(neuter)   | flat                     | ces1688          |
|                                           |                         | rising                   | ces1689          |
|                                           |                         | falling                  | ces1690          |

**Czech audio (Sheet 38 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|------------------------|--------------------------|------------------|
| chtyrhitsatae                             | fortieth<br>(neuter)   | flat                     | ces1692          |
|                                           |                        | rising                   | ces1693          |
|                                           |                        | falling                  | ces1694          |
| padesatae                                 | fiftieth<br>(neuter)   | flat                     | ces1696          |
|                                           |                        | rising                   | ces1697          |
|                                           |                        | falling                  | ces1698          |
| shedesatae                                | sixtieth<br>(neuter)   | flat                     | ces1700          |
|                                           |                        | rising                   | ces1701          |
|                                           |                        | falling                  | ces1702          |
| sedumdesatae                              | seventieth<br>(neuter) | flat                     | ces1704          |
|                                           |                        | rising                   | ces1705          |
|                                           |                        | falling                  | ces1706          |
| osumdesatae                               | eightieth<br>(neuter)  | flat                     | ces1708          |
|                                           |                        | rising                   | ces1709          |
|                                           |                        | falling                  | ces1710          |
| devadesatae                               | ninetieth<br>(neuter)  | flat                     | ces1712          |
|                                           |                        | rising                   | ces1713          |
|                                           |                        | falling                  | ces1714          |
| stae                                      | hundredth<br>(neuter)  | flat                     | ces1716          |
|                                           |                        | rising                   | ces1717          |
|                                           |                        | falling                  | ces1718          |
| tiseetsae                                 | thousandth<br>(neuter) | flat                     | ces1720          |
|                                           |                        | rising                   | ces1721          |
|                                           |                        | falling                  | ces1722          |

**Czech audio (Sheet 39 of 39)**

| <b>Czech phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|-----------------------|--------------------------|------------------|
| miliontae                                 | millionth<br>(neuter) | flat                     | ces1724          |
|                                           |                       | rising                   | ces1725          |
|                                           |                       | falling                  | ces1726          |
| miliardtae                                | billionth<br>(neuter) | flat                     | ces1728          |
|                                           |                       | rising                   | ces1729          |
|                                           |                       | falling                  | ces1730          |

## English audio files

**Note 1:** Use audio file names eng508-eng610 for the multilanguage strings functionality. Recording of this audio is optional and the content of the recording can be any word. This audio is required when the string functionality is used.

**Note 2:** Record audio file names eng1200-eng1486 if the user provisions audio for this particular occurrence.

### English audio (Sheet 1 of 22)

| English phrase | Phrase intonation | File name |
|----------------|-------------------|-----------|
| zero           | flat              | eng0      |
|                | rising            | eng1      |
|                | falling           | eng2      |
| o              | flat              | eng4      |
|                | rising            | eng5      |
|                | falling           | eng6      |
| one            | flat              | eng8      |
|                | rising            | eng9      |
|                | falling           | eng10     |
| two            | flat              | eng12     |
|                | rising            | eng13     |
|                | falling           | eng14     |
| three          | flat              | eng16     |
|                | rising            | eng17     |
|                | falling           | eng18     |
| four           | flat              | eng20     |
|                | rising            | eng21     |
|                | falling           | eng22     |

**English audio (Sheet 2 of 22)**

| English phrase | Phrase intonation | File name |
|----------------|-------------------|-----------|
| five           | flat              | eng24     |
|                | rising            | eng25     |
|                | falling           | eng26     |
| six            | flat              | eng28     |
|                | rising            | eng29     |
|                | falling           | eng30     |
| seven          | flat              | eng32     |
|                | rising            | eng33     |
|                | falling           | eng34     |
| eight          | flat              | eng36     |
|                | rising            | eng37     |
|                | falling           | eng38     |
| nine           | flat              | eng40     |
|                | rising            | eng41     |
|                | falling           | eng42     |
| ten            | flat              | eng56     |
|                | rising            | eng57     |
|                | falling           | eng58     |
| eleven         | flat              | eng60     |
|                | rising            | eng61     |
|                | falling           | eng62     |
| twelve         | flat              | eng64     |
|                | rising            | eng65     |
|                | falling           | eng66     |
| thirteen       | flat              | eng68     |
|                | rising            | eng69     |
|                | falling           | eng70     |

**English audio (Sheet 3 of 22)**

| English phrase | Phrase intonation | File name |
|----------------|-------------------|-----------|
| fourteen       | flat              | eng72     |
|                | rising            | eng73     |
|                | falling           | eng74     |
| fifteen        | flat              | eng76     |
|                | rising            | eng77     |
|                | falling           | eng78     |
| sixteen        | flat              | eng80     |
|                | rising            | eng81     |
|                | falling           | eng82     |
| seventeen      | flat              | eng84     |
|                | rising            | eng85     |
|                | falling           | eng86     |
| eighteen       | flat              | eng88     |
|                | rising            | eng89     |
|                | falling           | eng90     |
| nineteen       | flat              | eng92     |
|                | rising            | eng93     |
|                | falling           | eng94     |
| twenty         | flat              | eng96     |
|                | rising            | eng97     |
|                | falling           | eng98     |
| thirty         | flat              | eng100    |
|                | rising            | eng101    |
|                | falling           | eng102    |
| forty          | flat              | eng104    |
|                | rising            | eng105    |
|                | falling           | eng106    |



**English audio (Sheet 4 of 22)**

| English phrase | Phrase intonation | File name |
|----------------|-------------------|-----------|
| fifty          | flat              | eng108    |
|                | rising            | eng109    |
|                | falling           | eng110    |
| sixty          | flat              | eng112    |
|                | rising            | eng113    |
|                | falling           | eng114    |
| seventy        | flat              | eng116    |
|                | rising            | eng117    |
|                | falling           | eng118    |
| eighty         | flat              | eng120    |
|                | rising            | eng121    |
|                | falling           | eng122    |
| ninety         | flat              | eng124    |
|                | rising            | eng125    |
|                | falling           | eng126    |
| hundred        | flat              | eng44     |
|                | rising            | eng45     |
|                | falling           | eng46     |
| one-hundred    | flat              | eng132    |
|                | rising            | eng133    |
|                | falling           | eng134    |
| two-hundred    | flat              | eng136    |
|                | rising            | eng137    |
|                | falling           | eng138    |
| three-hundred  | flat              | eng140    |
|                | rising            | eng141    |
|                | falling           | eng142    |

**English audio (Sheet 5 of 22)**

| English phrase | Phrase intonation | File name |
|----------------|-------------------|-----------|
| four-hundred   | flat              | eng144    |
|                | rising            | eng145    |
|                | falling           | eng146    |
| five-hundred   | flat              | eng148    |
|                | rising            | eng149    |
|                | falling           | eng150    |
| six-hundred    | flat              | eng152    |
|                | rising            | eng153    |
|                | falling           | eng154    |
| seven-hundred  | flat              | eng156    |
|                | rising            | eng157    |
|                | falling           | eng158    |
| eight-hundred  | flat              | eng160    |
|                | rising            | eng161    |
|                | falling           | eng162    |
| nine-hundred   | flat              | eng164    |
|                | rising            | eng165    |
|                | falling           | eng166    |
| thousand       | flat              | eng496    |
|                | rising            | eng497    |
|                | falling           | eng498    |
| million        | flat              | eng500    |
|                | rising            | eng501    |
|                | falling           | eng502    |
| billion        | flat              | eng504    |
|                | rising            | eng505    |
|                | falling           | eng506    |

**English audio (Sheet 6 of 22)**

| English phrase | Phrase intonation | File name |
|----------------|-------------------|-----------|
| a              | flat              | eng508    |
|                | rising            | eng509    |
|                | falling           | eng510    |
| b              | flat              | eng512    |
|                | rising            | eng513    |
|                | falling           | eng514    |
| c              | flat              | eng516    |
|                | rising            | eng517    |
|                | falling           | eng518    |
| d              | flat              | eng520    |
|                | rising            | eng521    |
|                | falling           | eng522    |
| e              | flat              | eng524    |
|                | rising            | eng525    |
|                | falling           | eng526    |
| f              | flat              | eng528    |
|                | rising            | eng529    |
|                | falling           | eng530    |
| g              | flat              | eng532    |
|                | rising            | eng533    |
|                | falling           | eng534    |
| h              | flat              | eng536    |
|                | rising            | eng537    |
|                | falling           | eng538    |
| i              | flat              | eng540    |
|                | rising            | eng541    |
|                | falling           | eng542    |

**English audio (Sheet 7 of 22)**

| English phrase | Phrase intonation | File name |
|----------------|-------------------|-----------|
| j              | flat              | eng544    |
|                | rising            | eng545    |
|                | falling           | eng546    |
| k              | flat              | eng548    |
|                | rising            | eng549    |
|                | falling           | eng550    |
| l              | flat              | eng552    |
|                | rising            | eng553    |
|                | falling           | eng554    |
| m              | flat              | eng556    |
|                | rising            | eng557    |
|                | falling           | eng558    |
| n              | flat              | eng560    |
|                | rising            | eng561    |
|                | falling           | eng562    |
| o              | flat              | eng564    |
|                | rising            | eng565    |
|                | falling           | eng566    |
| p              | flat              | eng568    |
|                | rising            | eng569    |
|                | falling           | eng570    |
| q              | flat              | eng572    |
|                | rising            | eng573    |
|                | falling           | eng574    |
| r              | flat              | eng576    |
|                | rising            | eng577    |
|                | falling           | eng578    |

**English audio (Sheet 8 of 22)**

| English phrase | Phrase intonation | File name |
|----------------|-------------------|-----------|
| s              | flat              | eng580    |
|                | rising            | eng581    |
|                | falling           | eng582    |
| t              | flat              | eng584    |
|                | rising            | eng585    |
|                | falling           | eng586    |
| u              | flat              | eng588    |
|                | rising            | eng589    |
|                | falling           | eng590    |
| v              | flat              | eng592    |
|                | rising            | eng593    |
|                | falling           | eng594    |
| w              | flat              | eng596    |
|                | rising            | eng597    |
|                | falling           | eng598    |
| x              | flat              | eng600    |
|                | rising            | eng601    |
|                | falling           | eng602    |
| y              | flat              | eng604    |
|                | rising            | eng605    |
|                | falling           | eng606    |
| z              | flat              | eng608    |
|                | rising            | eng609    |
|                | falling           | eng610    |
| negative       | flat              | eng616    |
|                | rising            | eng617    |
|                | falling           | eng618    |

**English audio (Sheet 9 of 22)**

| English phrase | Phrase intonation | File name |
|----------------|-------------------|-----------|
| and            | flat              | eng620    |
|                | rising            | eng621    |
|                | falling           | eng622    |
| hour           | flat              | eng624    |
|                | rising            | eng625    |
|                | falling           | eng626    |
| hours          | flat              | eng628    |
|                | rising            | eng629    |
|                | falling           | eng630    |
| minute         | flat              | eng632    |
|                | rising            | eng633    |
|                | falling           | eng634    |
| minutes        | flat              | eng636    |
|                | rising            | eng637    |
|                | falling           | eng638    |
| second         | flat              | eng640    |
|                | rising            | eng641    |
|                | falling           | eng642    |
| seconds        | flat              | eng644    |
|                | rising            | eng645    |
|                | falling           | eng646    |
| January        | flat              | eng648    |
|                | rising            | eng649    |
|                | falling           | eng650    |
| February       | flat              | eng652    |
|                | rising            | eng653    |
|                | falling           | eng654    |

**English audio (Sheet 10 of 22)**

| English phrase | Phrase intonation | File name |
|----------------|-------------------|-----------|
| March          | flat              | eng656    |
|                | rising            | eng657    |
|                | falling           | eng658    |
| April          | flat              | eng660    |
|                | rising            | eng661    |
|                | falling           | eng662    |
| May            | flat              | eng664    |
|                | rising            | eng665    |
|                | falling           | eng666    |
| June           | flat              | eng668    |
|                | rising            | eng669    |
|                | falling           | eng670    |
| July           | flat              | eng672    |
|                | rising            | eng673    |
|                | falling           | eng674    |
| August         | flat              | eng676    |
|                | rising            | eng677    |
|                | falling           | eng678    |
| September      | flat              | eng680    |
|                | rising            | eng681    |
|                | falling           | eng682    |
| October        | flat              | eng684    |
|                | rising            | eng685    |
|                | falling           | eng686    |
| November       | flat              | eng688    |
|                | rising            | eng689    |
|                | falling           | eng690    |

**English audio (Sheet 11 of 22)**

| English phrase         | Phrase intonation | File name |
|------------------------|-------------------|-----------|
| December               | flat              | eng692    |
|                        | rising            | eng693    |
|                        | falling           | eng694    |
| Sunday                 | flat              | eng696    |
|                        | rising            | eng697    |
|                        | falling           | eng698    |
| Monday                 | flat              | eng700    |
|                        | rising            | eng701    |
|                        | falling           | eng702    |
| Tuesday                | flat              | eng704    |
|                        | rising            | eng705    |
|                        | falling           | eng706    |
| Wednesday              | flat              | eng708    |
|                        | rising            | eng709    |
|                        | falling           | eng710    |
| Thursday               | flat              | eng712    |
|                        | rising            | eng713    |
|                        | falling           | eng714    |
| Friday                 | flat              | eng716    |
|                        | rising            | eng717    |
|                        | falling           | eng718    |
| Saturday               | flat              | eng720    |
|                        | rising            | eng721    |
|                        | falling           | eng722    |
| first (ordinal number) | flat              | eng728    |
|                        | rising            | eng729    |
|                        | falling           | eng730    |



**English audio (Sheet 12 of 22)**

| English phrase | Phrase intonation | File name |
|----------------|-------------------|-----------|
| second         | flat              | eng732    |
|                | rising            | eng733    |
|                | falling           | eng734    |
| third          | flat              | eng736    |
|                | rising            | eng737    |
|                | falling           | eng738    |
| fourth         | flat              | eng740    |
|                | rising            | eng741    |
|                | falling           | eng742    |
| fifth          | flat              | eng744    |
|                | rising            | eng745    |
|                | falling           | eng746    |
| sixth          | flat              | eng748    |
|                | rising            | eng749    |
|                | falling           | eng750    |
| seventh        | flat              | eng752    |
|                | rising            | eng753    |
|                | falling           | eng754    |
| eighth         | flat              | eng756    |
|                | rising            | eng757    |
|                | falling           | eng758    |
| ninth          | flat              | eng760    |
|                | rising            | eng761    |
|                | falling           | eng762    |
| tenth          | flat              | eng764    |
|                | rising            | eng765    |
|                | falling           | eng766    |

**English audio (Sheet 13 of 22)**

| English phrase | Phrase intonation | File name |
|----------------|-------------------|-----------|
| eleventh       | flat              | eng768    |
|                | rising            | eng769    |
|                | falling           | eng770    |
| twelfth        | flat              | eng772    |
|                | rising            | eng773    |
|                | falling           | eng774    |
| thirteenth     | flat              | eng776    |
|                | rising            | eng777    |
|                | falling           | eng778    |
| fourteenth     | flat              | eng780    |
|                | rising            | eng781    |
|                | falling           | eng782    |
| fifteenth      | flat              | eng784    |
|                | rising            | eng785    |
|                | falling           | eng786    |
| sixteenth      | flat              | eng788    |
|                | rising            | eng789    |
|                | falling           | eng790    |
| seventeenth    | flat              | eng792    |
|                | rising            | eng793    |
|                | falling           | eng794    |
| eighteenth     | flat              | eng796    |
|                | rising            | eng797    |
|                | falling           | eng798    |
| nineteenth     | flat              | eng800    |
|                | rising            | eng801    |
|                | falling           | eng802    |

**English audio (Sheet 14 of 22)**

| English phrase | Phrase intonation | File name |
|----------------|-------------------|-----------|
| twentieth      | flat              | eng804    |
|                | rising            | eng805    |
|                | falling           | eng806    |
| thirtieth      | flat              | eng808    |
|                | rising            | eng809    |
|                | falling           | eng810    |
| fortieth       | flat              | eng812    |
|                | rising            | eng813    |
|                | falling           | eng814    |
| fiftieth       | flat              | eng816    |
|                | rising            | eng817    |
|                | falling           | eng818    |
| sixtieth       | flat              | eng820    |
|                | rising            | eng821    |
|                | falling           | eng822    |
| seventieth     | flat              | eng824    |
|                | rising            | eng825    |
|                | falling           | eng826    |
| eightieth      | flat              | eng828    |
|                | rising            | eng829    |
|                | falling           | eng830    |
| ninetieth      | flat              | eng832    |
|                | rising            | eng833    |
|                | falling           | eng834    |
| one-hundredth  | flat              | eng836    |
|                | rising            | eng837    |
|                | falling           | eng838    |

**English audio (Sheet 15 of 22)**

| English phrase  | Phrase intonation | File name |
|-----------------|-------------------|-----------|
| two-hundredth   | flat              | eng840    |
|                 | rising            | eng841    |
|                 | falling           | eng842    |
| three-hundredth | flat              | eng844    |
|                 | rising            | eng845    |
|                 | falling           | eng846    |
| four-hundredth  | flat              | eng848    |
|                 | rising            | eng849    |
|                 | falling           | eng850    |
| five-hundredth  | flat              | eng852    |
|                 | rising            | eng853    |
|                 | falling           | eng854    |
| six-hundredth   | flat              | eng856    |
|                 | rising            | eng857    |
|                 | falling           | eng858    |
| seven-hundredth | flat              | eng860    |
|                 | rising            | eng861    |
|                 | falling           | eng862    |
| eight-hundredth | flat              | eng864    |
|                 | rising            | eng865    |
|                 | falling           | eng866    |
| nine-hundredth  | flat              | eng868    |
|                 | rising            | eng869    |
|                 | falling           | eng870    |
| thousandth      | flat              | eng872    |
|                 | rising            | eng873    |
|                 | falling           | eng874    |

**English audio (Sheet 16 of 22)**

| English phrase  | Phrase intonation | File name |
|-----------------|-------------------|-----------|
| millionth       | flat              | eng880    |
|                 | rising            | eng881    |
|                 | falling           | eng882    |
| billionth       | flat              | eng888    |
|                 | rising            | eng889    |
|                 | falling           | eng890    |
| pound (#)       | flat              | eng896    |
|                 | rising            | eng897    |
|                 | falling           | eng898    |
| star (*)        | flat              | eng900    |
|                 | rising            | eng901    |
|                 | falling           | eng902    |
| a.m.            | flat              | eng908    |
|                 | rising            | eng909    |
|                 | falling           | eng910    |
| p.m.            | flat              | eng912    |
|                 | rising            | eng913    |
|                 | falling           | eng914    |
| dollar<br>(US)  | flat              | eng1200   |
|                 | rising            | eng1201   |
|                 | falling           | eng1202   |
| dollars<br>(US) | flat              | eng1204   |
|                 | rising            | eng1205   |
|                 | falling           | eng1206   |
| cent<br>(US)    | flat              | eng1208   |
|                 | rising            | eng1209   |
|                 | falling           | eng1210   |

**English audio (Sheet 17 of 22)**

| English phrase | Phrase intonation | File name |
|----------------|-------------------|-----------|
| cents          | flat              | eng1212   |
| (US)           | rising            | eng1213   |
|                | falling           | eng1214   |
| mark           | flat              | eng1216   |
| (German)       | rising            | eng1217   |
|                | falling           | eng1218   |
| marks          | flat              | eng1220   |
| (German)       | rising            | eng1221   |
|                | falling           | eng1222   |
| pfennig        | flat              | eng1224   |
| (German)       | rising            | eng1225   |
|                | falling           | eng1226   |
| pfennigs       | flat              | eng1228   |
| (German)       | rising            | eng1229   |
|                | falling           | eng1230   |
| yen            | flat              | eng1232   |
| (Japan)        | rising            | eng1233   |
|                | falling           | eng1234   |
| lira           | flat              | eng1240   |
| (Italy)        | rising            | eng1241   |
|                | falling           | eng1242   |
| guilder        | flat              | eng1248   |
| (Netherlands)  | rising            | eng1249   |
|                | falling           | eng1250   |
| guilders       | flat              | eng1252   |
| (Netherlands)  | rising            | eng1253   |
|                | falling           | eng1254   |

**English audio (Sheet 18 of 22)**

| English phrase | Phrase intonation | File name |
|----------------|-------------------|-----------|
| cent           | flat              | eng1256   |
| (Netherlands)  | rising            | eng1257   |
|                | falling           | eng1258   |
| cents          | flat              | eng1260   |
| (Netherlands)  | rising            | eng1261   |
|                | falling           | eng1262   |
| pound          | flat              | eng1264   |
| (British)      | rising            | eng1265   |
|                | falling           | eng1266   |
| pence          | flat              | eng1276   |
| (British)      | rising            | eng1277   |
|                | falling           | eng1278   |
| euro           | flat              | eng1280   |
|                | rising            | eng1281   |
|                | falling           | eng1282   |
| euros          | flat              | eng1284   |
|                | rising            | eng1285   |
|                | falling           | eng1286   |
| eurocent       | flat              | eng1288   |
|                | rising            | eng1289   |
|                | falling           | eng1290   |
| eurocents      | flat              | eng1292   |
|                | rising            | eng1293   |
|                | falling           | eng1294   |
| franc          | flat              | eng1296   |
| (France)       | rising            | eng1297   |
|                | falling           | eng1298   |

**English audio (Sheet 19 of 22)**

| English phrase | Phrase intonation | File name |
|----------------|-------------------|-----------|
| francs         | flat              | eng1300   |
| (France)       | rising            | eng1301   |
|                | falling           | eng1302   |
| centime        | flat              | eng1308   |
| (France)       | rising            | eng1309   |
|                | falling           | eng1310   |
| peseta         | flat              | eng1312   |
| (Spain)        | rising            | eng1313   |
|                | falling           | eng1314   |
| pesetas        | flat              | eng1316   |
| (Spain)        | rising            | eng1317   |
|                | falling           | eng1318   |
| peso           | flat              | eng1328   |
| (Philippines)  | rising            | eng1329   |
|                | falling           | eng1330   |
| centavo        | flat              | eng1336   |
| (Philippines)  | rising            | eng1337   |
|                | falling           | eng1338   |
| centavos       | flat              | eng1340   |
| (Philippines)  | rising            | eng1341   |
|                | falling           | eng1342   |
| ringgit        | flat              | eng1344   |
| (Malaysia)     | rising            | eng1345   |
|                | falling           | eng1346   |
| sen            | flat              | eng1352   |
| (Malaysia)     | rising            | eng1353   |
|                | falling           | eng1354   |



**English audio (Sheet 20 of 22)**

| English phrase | Phrase intonation | File name |
|----------------|-------------------|-----------|
| baht           | flat              | eng1360   |
| (Thailand)     | rising            | eng1361   |
|                | falling           | eng1362   |
| satang         | flat              | eng1368   |
| (Thailand)     | rising            | eng1369   |
|                | falling           | eng1370   |
| won            | flat              | eng1376   |
| (Korea)        | rising            | eng1377   |
|                | falling           | eng1378   |
| franc          | flat              | eng1384   |
| (Belgium)      | rising            | eng1385   |
|                | falling           | eng1386   |
| francs         | flat              | eng1388   |
| (Belgium)      | rising            | eng1389   |
|                | falling           | eng1390   |
| centime        | flat              | eng1392   |
| (Belgium)      | rising            | eng1393   |
|                | falling           | eng1394   |
| dollar         | flat              | eng1400   |
| (Canada)       | rising            | eng1401   |
|                | falling           | eng1402   |
| dollars        | flat              | eng1404   |
| (Canada)       | rising            | eng1405   |
|                | falling           | eng1406   |
| cent           | flat              | eng1408   |
| (Canada)       | rising            | eng1409   |
|                | falling           | eng1410   |

**English audio (Sheet 21 of 22)**

| English phrase | Phrase intonation | File name |
|----------------|-------------------|-----------|
| cents          | flat              | eng1412   |
| (Canada)       | rising            | eng1413   |
|                | falling           | eng1414   |
| dollar         | flat              | eng1416   |
| (Hong Kong)    | rising            | eng1417   |
|                | falling           | eng1418   |
| dollars        | flat              | eng1420   |
| (Hong Kong)    | rising            | eng1421   |
|                | falling           | eng1422   |
| cent           | flat              | eng1424   |
| (Hong Kong)    | rising            | eng1425   |
|                | falling           | eng1426   |
| cents          | flat              | eng1428   |
| (Hong Kong)    | rising            | eng1429   |
|                | falling           | eng1430   |
| gok            | flat              | eng1488   |
| (Hong Kong)    | rising            | eng1489   |
|                | falling           | eng1490   |
| goks           | flat              | eng1492   |
| (Hong Kong)    | rising            | eng1493   |
|                | falling           | eng1494   |
| escudo         | flat              | eng1432   |
| (Portugal)     | rising            | eng1433   |
|                | falling           | eng1434   |
| escudos        | flat              | eng1436   |
| (Portugal)     | rising            | eng1437   |
|                | falling           | eng1438   |

**English audio (Sheet 22 of 22)**

| English phrase        | Phrase intonation | File name |
|-----------------------|-------------------|-----------|
| centavo               | flat              | eng1440   |
| (Portugal)            | rising            | eng1441   |
|                       | falling           | eng1442   |
| centavos              | flat              | eng1444   |
| (Portugal)            | rising            | eng1445   |
|                       | falling           | eng1446   |
| yuan renminbi (China) | flat              | eng1448   |
|                       | rising            | eng1449   |
|                       | falling           | eng1450   |
| jiao                  | flat              | eng1456   |
| (China)               | rising            | eng1457   |
|                       | falling           | eng1458   |
| fen                   | flat              | eng1464   |
| (China)               | rising            | eng1465   |
|                       | falling           | eng1466   |
| pound                 | flat              | eng1472   |
| (Ireland)             | rising            | eng1473   |
|                       | falling           | eng1474   |
| pounds                | flat              | eng1476   |
| (Ireland)             | rising            | eng1477   |
|                       | falling           | eng1478   |
| pence                 | flat              | eng1484   |
| (Ireland)             | rising            | eng1485   |
|                       | falling           | eng1486   |

## French audio files

**Note 1:** Audio file names fra508–fra610 are optional. Only record the files when the user provisions the string functionality on the system.

**Note 2:** Record audio file names fra1200–fra1476 if you provision currency on the system.

**Note 3:** French does not have a 12-hour format or an equivalent to the English a.m. and p.m. The flexibility of the MS 2000 Series software allows the user to provision 12-hour time on the system. Audio file names fra908–fra1526 are required if you provision 12-hour format.

### French audio (Sheet 1 of 25)

| French phrase or English equivalent | English                  | Phrase intonation | File name |
|-------------------------------------|--------------------------|-------------------|-----------|
| ze'ro                               | zero                     | flat              | fra0      |
|                                     |                          | rising            | fra1      |
|                                     |                          | falling           | fra2      |
| un                                  | one<br>(masculine)       | flat              | fra8      |
|                                     |                          | rising            | fra9      |
|                                     |                          | falling           | fra10     |
| une                                 | one<br>(feminine)        | flat              | fra1504   |
|                                     |                          | rising            | fra1505   |
|                                     |                          | falling           | fra1506   |
| "et un"                             | "and one"<br>(masculine) | flat              | fra1508   |
|                                     |                          | rising            | fra1509   |
|                                     |                          | falling           | fra1510   |
| "et une"                            | "and one"<br>(feminine)  | flat              | fra1512   |
|                                     |                          | rising            | fra1513   |
|                                     |                          | falling           | fra1514   |

**French audio (Sheet 2 of 25)**

| <b>French phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| deux                                       | two            | flat                     | fra12            |
|                                            |                | rising                   | fra13            |
|                                            |                | falling                  | fra14            |
| trois                                      | three          | flat                     | fra16            |
|                                            |                | rising                   | fra17            |
|                                            |                | falling                  | fra18            |
| quatre                                     | four           | flat                     | fra20            |
|                                            |                | rising                   | fra21            |
|                                            |                | falling                  | fra22            |
| cinq                                       | five           | flat                     | fra24            |
|                                            |                | rising                   | fra25            |
|                                            |                | falling                  | fra26            |
| six                                        | six            | flat                     | fra28            |
|                                            |                | rising                   | fra29            |
|                                            |                | falling                  | fra30            |
| sept                                       | seven          | flat                     | fra32            |
|                                            |                | rising                   | fra33            |
|                                            |                | falling                  | fra34            |
| huit                                       | eight          | flat                     | fra36            |
|                                            |                | rising                   | fra37            |
|                                            |                | falling                  | fra38            |
| neuf                                       | nine           | flat                     | fra40            |
|                                            |                | rising                   | fra41            |
|                                            |                | falling                  | fra42            |
| dix                                        | ten            | flat                     | fra56            |
|                                            |                | rising                   | fra57            |
|                                            |                | falling                  | fra58            |

**French audio (Sheet 3 of 25)**

| <b>French phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| onze                                       | eleven         | flat                     | fra60            |
|                                            |                | rising                   | fra61            |
|                                            |                | falling                  | fra62            |
| douze                                      | twelve         | flat                     | fra64            |
|                                            |                | rising                   | fra65            |
|                                            |                | falling                  | fra66            |
| treize                                     | thirteen       | flat                     | fra68            |
|                                            |                | rising                   | fra69            |
|                                            |                | falling                  | fra70            |
| quatorze                                   | fourteen       | flat                     | fra72            |
|                                            |                | rising                   | fra73            |
|                                            |                | falling                  | fra74            |
| quinze                                     | fifteen        | flat                     | fra76            |
|                                            |                | rising                   | fra77            |
|                                            |                | falling                  | fra78            |
| seize                                      | sixteen        | flat                     | fra80            |
|                                            |                | rising                   | fra81            |
|                                            |                | falling                  | fra82            |
| dix-sept                                   | seventeen      | flat                     | fra84            |
|                                            |                | rising                   | fra85            |
|                                            |                | falling                  | fra86            |
| dix-huit                                   | eighteen       | flat                     | fra88            |
|                                            |                | rising                   | fra89            |
|                                            |                | falling                  | fra90            |
| dix-neuf                                   | nineteen       | flat                     | fra92            |
|                                            |                | rising                   | fra93            |
|                                            |                | falling                  | fra94            |

**French audio (Sheet 4 of 25)**

| <b>French phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| vingt                                      | twenty         | flat                     | fra96            |
|                                            |                | rising                   | fra97            |
|                                            |                | falling                  | fra98            |
| trente                                     | thirty         | flat                     | fra100           |
|                                            |                | rising                   | fra101           |
|                                            |                | falling                  | fra102           |
| quarante                                   | forty          | flat                     | fra104           |
|                                            |                | rising                   | fra105           |
|                                            |                | falling                  | fra106           |
| cinquante                                  | fifty          | flat                     | fra108           |
|                                            |                | rising                   | fra109           |
|                                            |                | falling                  | fra110           |
| soixante                                   | sixty          | flat                     | fra112           |
|                                            |                | rising                   | fra113           |
|                                            |                | falling                  | fra114           |
| soixante-dix                               | seventy        | flat                     | fra116           |
|                                            |                | rising                   | fra117           |
|                                            |                | falling                  | fra118           |
| quatre-vingts                              | eighty         | flat                     | fra120           |
|                                            |                | rising                   | fra121           |
|                                            |                | falling                  | fra122           |
| quatre-vingt-dix                           | ninety         | flat                     | fra124           |
|                                            |                | rising                   | fra125           |
|                                            |                | falling                  | fra126           |
| cent                                       | one-hundred    | flat                     | fra132           |
|                                            |                | rising                   | fra133           |
|                                            |                | falling                  | fra134           |

**French audio (Sheet 5 of 25)**

| <b>French phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| deux cents                                 | two-hundred    | flat                     | fra136           |
|                                            |                | rising                   | fra137           |
|                                            |                | falling                  | fra138           |
| trois cents                                | three-hundred  | flat                     | fra140           |
|                                            |                | rising                   | fra141           |
|                                            |                | falling                  | fra142           |
| quatre cents                               | four-hundred   | flat                     | fra144           |
|                                            |                | rising                   | fra145           |
|                                            |                | falling                  | fra146           |
| cinq cents                                 | five-hundred   | flat                     | fra148           |
|                                            |                | rising                   | fra149           |
|                                            |                | falling                  | fra150           |
| six cents                                  | six-hundred    | flat                     | fra152           |
|                                            |                | rising                   | fra153           |
|                                            |                | falling                  | fra154           |
| sept cents                                 | seven-hundred  | flat                     | fra156           |
|                                            |                | rising                   | fra157           |
|                                            |                | falling                  | fra158           |
| huit cents                                 | eight-hundred  | flat                     | fra160           |
|                                            |                | rising                   | fra161           |
|                                            |                | falling                  | fra162           |
| neuf cents                                 | nine-hundred   | flat                     | fra164           |
|                                            |                | rising                   | fra165           |
|                                            |                | falling                  | fra166           |
| mille                                      | [one] thousand | flat                     | fra496           |
|                                            |                | rising                   | fra497           |
|                                            |                | falling                  | fra498           |



**French audio (Sheet 6 of 25)**

| <b>French phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| deux mille                                 | two-thousand   | flat                     | fra176           |
|                                            |                | rising                   | fra177           |
|                                            |                | falling                  | fra178           |
| trois mille                                | three-thousand | flat                     | fra180           |
|                                            |                | rising                   | fra181           |
|                                            |                | falling                  | fra182           |
| quarte mille                               | four-thousand  | flat                     | fra184           |
|                                            |                | rising                   | fra185           |
|                                            |                | falling                  | fra186           |
| cinq mille                                 | five-thousand  | flat                     | fra188           |
|                                            |                | rising                   | fra189           |
|                                            |                | falling                  | fra190           |
| six mille                                  | six-thousand   | flat                     | fra192           |
|                                            |                | rising                   | fra193           |
|                                            |                | falling                  | fra194           |
| sept mille                                 | seven-thousand | flat                     | fra196           |
|                                            |                | rising                   | fra197           |
|                                            |                | falling                  | fra198           |
| huit mille                                 | eight-thousand | flat                     | fra200           |
|                                            |                | rising                   | fra201           |
|                                            |                | falling                  | fra202           |
| neuf mille                                 | nine-thousand  | flat                     | fra204           |
|                                            |                | rising                   | fra205           |
|                                            |                | falling                  | fra206           |
| million                                    | million        | flat                     | fra500           |
|                                            |                | rising                   | fra501           |
|                                            |                | falling                  | fra502           |

**French audio (Sheet 7 of 25)**

| <b>French phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| millions                                   | millions       | flat                     | fra1500          |
|                                            |                | rising                   | fra1501          |
|                                            |                | falling                  | fra1502          |
| milliard                                   | billion        | flat                     | fra504           |
|                                            |                | rising                   | fra505           |
|                                            |                | falling                  | fra506           |
| optional                                   | a              | flat                     | fra508           |
|                                            |                | rising                   | fra509           |
|                                            |                | falling                  | fra510           |
| optional                                   | b              | flat                     | fra512           |
|                                            |                | rising                   | fra513           |
|                                            |                | falling                  | fra514           |
| optional                                   | c              | flat                     | fra516           |
|                                            |                | rising                   | fra517           |
|                                            |                | falling                  | fra518           |
| optional                                   | d              | flat                     | fra520           |
|                                            |                | rising                   | fra521           |
|                                            |                | falling                  | fra522           |
| optional                                   | e              | flat                     | fra524           |
|                                            |                | rising                   | fra525           |
|                                            |                | falling                  | fra526           |
| optional                                   | f              | flat                     | fra528           |
|                                            |                | rising                   | fra529           |
|                                            |                | falling                  | fra530           |
| optional                                   | g              | flat                     | fra532           |
|                                            |                | rising                   | fra533           |
|                                            |                | falling                  | fra534           |

**French audio (Sheet 8 of 25)**

| <b>French phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| optional                                   | h              | flat                     | fra536           |
|                                            |                | rising                   | fra537           |
|                                            |                | falling                  | fra538           |
| optional                                   | i              | flat                     | fra540           |
|                                            |                | rising                   | fra541           |
|                                            |                | falling                  | fra542           |
| optional                                   | j              | flat                     | fra544           |
|                                            |                | rising                   | fra545           |
|                                            |                | falling                  | fra546           |
| optional                                   | k              | flat                     | fra548           |
|                                            |                | rising                   | fra549           |
|                                            |                | falling                  | fra550           |
| optional                                   | l              | flat                     | fra552           |
|                                            |                | rising                   | fra553           |
|                                            |                | falling                  | fra554           |
| optional                                   | m              | flat                     | fra556           |
|                                            |                | rising                   | fra557           |
|                                            |                | falling                  | fra558           |
| optional                                   | n              | flat                     | fra560           |
|                                            |                | rising                   | fra561           |
|                                            |                | falling                  | fra562           |
| optional                                   | o              | flat                     | fra564           |
|                                            |                | rising                   | fra565           |
|                                            |                | falling                  | fra566           |
| optional                                   | p              | flat                     | fra568           |
|                                            |                | rising                   | fra569           |
|                                            |                | falling                  | fra570           |

**French audio (Sheet 9 of 25)**

| <b>French phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| optional                                   | q              | flat                     | fra572           |
|                                            |                | rising                   | fra573           |
|                                            |                | falling                  | fra574           |
| optional                                   | r              | flat                     | fra576           |
|                                            |                | rising                   | fra577           |
|                                            |                | falling                  | fra578           |
| optional                                   | s              | flat                     | fra580           |
|                                            |                | rising                   | fra581           |
|                                            |                | falling                  | fra582           |
| optional                                   | t              | flat                     | fra584           |
|                                            |                | rising                   | fra585           |
|                                            |                | falling                  | fra586           |
| optional                                   | u              | flat                     | fra588           |
|                                            |                | rising                   | fra589           |
|                                            |                | falling                  | fra590           |
| optional                                   | v              | flat                     | fra592           |
|                                            |                | rising                   | fra593           |
|                                            |                | falling                  | fra594           |
| optional                                   | w              | flat                     | fra596           |
|                                            |                | rising                   | fra597           |
|                                            |                | falling                  | fra598           |
| optional                                   | x              | flat                     | fra600           |
|                                            |                | rising                   | fra601           |
|                                            |                | falling                  | fra602           |
| optional                                   | y              | flat                     | fra604           |
|                                            |                | rising                   | fra605           |
|                                            |                | falling                  | fra606           |

**French audio (Sheet 10 of 25)**

| <b>French phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| optional                                   | z              | flat                     | fra608           |
|                                            |                | rising                   | fra609           |
|                                            |                | falling                  | fra610           |
| minus                                      | negative       | flat                     | fra616           |
|                                            |                | rising                   | fra617           |
|                                            |                | falling                  | fra618           |
| et                                         | and            | flat                     | fra620           |
|                                            |                | rising                   | fra621           |
|                                            |                | falling                  | fra622           |
| heure                                      | hour           | flat                     | fra624           |
|                                            |                | rising                   | fra625           |
|                                            |                | falling                  | fra626           |
| heures                                     | hours          | flat                     | fra628           |
|                                            |                | rising                   | fra629           |
|                                            |                | falling                  | fra630           |
| minute                                     | minute         | flat                     | fra632           |
|                                            |                | rising                   | fra633           |
|                                            |                | falling                  | fra634           |
| minutes                                    | minutes        | flat                     | fra636           |
|                                            |                | rising                   | fra637           |
|                                            |                | falling                  | fra638           |
| seconde                                    | second         | flat                     | fra640           |
|                                            |                | rising                   | fra641           |
|                                            |                | falling                  | fra642           |
| secondes                                   | seconds        | flat                     | fra644           |
|                                            |                | rising                   | fra645           |
|                                            |                | falling                  | fra646           |

**French audio (Sheet 11 of 25)**

| <b>French phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| janvier                                    | January        | flat                     | fra648           |
|                                            |                | rising                   | fra649           |
|                                            |                | falling                  | fra650           |
| fe'vrier                                   | February       | flat                     | fra652           |
|                                            |                | rising                   | fra653           |
|                                            |                | falling                  | fra654           |
| mars                                       | March          | flat                     | fra656           |
|                                            |                | rising                   | fra657           |
|                                            |                | falling                  | fra658           |
| avril                                      | April          | flat                     | fra660           |
|                                            |                | rising                   | fra661           |
|                                            |                | falling                  | fra662           |
| mai                                        | May            | flat                     | fra664           |
|                                            |                | rising                   | fra665           |
|                                            |                | falling                  | fra666           |
| juin                                       | June           | flat                     | fra668           |
|                                            |                | rising                   | fra669           |
|                                            |                | falling                  | fra670           |
| juillet                                    | July           | flat                     | fra672           |
|                                            |                | rising                   | fra673           |
|                                            |                | falling                  | fra674           |
| aou^t                                      | August         | flat                     | fra676           |
|                                            |                | rising                   | fra677           |
|                                            |                | falling                  | fra678           |
| septembre                                  | September      | flat                     | fra680           |
|                                            |                | rising                   | fra681           |
|                                            |                | falling                  | fra682           |

**French audio (Sheet 12 of 25)**

| <b>French phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| octobre                                    | October        | flat                     | fra684           |
|                                            |                | rising                   | fra685           |
|                                            |                | falling                  | fra686           |
| novembre                                   | November       | flat                     | fra688           |
|                                            |                | rising                   | fra689           |
|                                            |                | falling                  | fra690           |
| de'cembre                                  | December       | flat                     | fra692           |
|                                            |                | rising                   | fra693           |
|                                            |                | falling                  | fra694           |
| dimanche                                   | Sunday         | flat                     | fra696           |
|                                            |                | rising                   | fra697           |
|                                            |                | falling                  | fra698           |
| lundi                                      | Monday         | flat                     | fra700           |
|                                            |                | rising                   | fra701           |
|                                            |                | falling                  | fra702           |
| mardi                                      | Tuesday        | flat                     | fra704           |
|                                            |                | rising                   | fra705           |
|                                            |                | falling                  | fra706           |
| mercredi                                   | Wednesday      | flat                     | fra708           |
|                                            |                | rising                   | fra709           |
|                                            |                | falling                  | fra710           |
| jeudi                                      | Thursday       | flat                     | fra712           |
|                                            |                | rising                   | fra713           |
|                                            |                | falling                  | fra714           |
| vendredi                                   | Friday         | flat                     | fra716           |
|                                            |                | rising                   | fra717           |
|                                            |                | falling                  | fra718           |

**French audio (Sheet 13 of 25)**

| <b>French phrase or English equivalent</b> | <b>English</b>      | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|---------------------|--------------------------|------------------|
| samedi                                     | Saturday            | flat                     | fra720           |
|                                            |                     | rising                   | fra721           |
|                                            |                     | falling                  | fra722           |
| premier                                    | first<br>(masc)     | flat                     | fra728           |
|                                            |                     | rising                   | fra729           |
|                                            |                     | falling                  | fra730           |
| premiere                                   | first<br>(feminine) | flat                     | fra1516          |
|                                            |                     | rising                   | fra1517          |
|                                            |                     | falling                  | fra1518          |
| fraxieme                                   | second              | flat                     | fra732           |
|                                            |                     | rising                   | fra733           |
|                                            |                     | falling                  | fra734           |
| troisieme                                  | third               | flat                     | fra736           |
|                                            |                     | rising                   | fra737           |
|                                            |                     | falling                  | fra738           |
| quatrieme                                  | fourth              | flat                     | fra740           |
|                                            |                     | rising                   | fra741           |
|                                            |                     | falling                  | fra742           |
| cinquieme                                  | fifth               | flat                     | fra744           |
|                                            |                     | rising                   | fra745           |
|                                            |                     | falling                  | fra746           |
| sixieme                                    | sixth               | flat                     | fra748           |
|                                            |                     | rising                   | fra749           |
|                                            |                     | falling                  | fra750           |
| septieme                                   | seventh             | flat                     | fra752           |
|                                            |                     | rising                   | fra753           |
|                                            |                     | falling                  | fra754           |



**French audio (Sheet 14 of 25)**

| <b>French phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| huitieme                                   | eighth         | flat                     | fra756           |
|                                            |                | rising                   | fra757           |
|                                            |                | falling                  | fra758           |
| neuvieme                                   | ninth          | flat                     | fra760           |
|                                            |                | rising                   | fra761           |
|                                            |                | falling                  | fra762           |
| dixieme                                    | tenth          | flat                     | fra764           |
|                                            |                | rising                   | fra765           |
|                                            |                | falling                  | fra766           |
| onzieme                                    | eleventh       | flat                     | fra768           |
|                                            |                | rising                   | fra769           |
|                                            |                | falling                  | fra770           |
| douzieme                                   | twelfth        | flat                     | fra772           |
|                                            |                | rising                   | fra773           |
|                                            |                | falling                  | fra774           |
| treizieme                                  | thirteenth     | flat                     | fra776           |
|                                            |                | rising                   | fra777           |
|                                            |                | falling                  | fra778           |
| quatorzieme                                | fourteenth     | flat                     | fra780           |
|                                            |                | rising                   | fra781           |
|                                            |                | falling                  | fra782           |
| quinzieme                                  | fifteenth      | flat                     | fra784           |
|                                            |                | rising                   | fra785           |
|                                            |                | falling                  | fra786           |
| seizieme                                   | sixteenth      | flat                     | fra788           |
|                                            |                | rising                   | fra789           |
|                                            |                | falling                  | fra790           |

**French audio (Sheet 15 of 25)**

| <b>French phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| dix-septieme                               | seventeenth    | flat                     | fra792           |
|                                            |                | rising                   | fra793           |
|                                            |                | falling                  | fra794           |
| dix-huitieme                               | eighteenth     | flat                     | fra796           |
|                                            |                | rising                   | fra797           |
|                                            |                | falling                  | fra798           |
| dix-neuvieme                               | nineteenth     | flat                     | fra800           |
|                                            |                | rising                   | fra801           |
|                                            |                | falling                  | fra802           |
| vingtieme                                  | twentieth      | flat                     | fra804           |
|                                            |                | rising                   | fra805           |
|                                            |                | falling                  | fra806           |
| trentieme                                  | thirtieth      | flat                     | fra808           |
|                                            |                | rising                   | fra809           |
|                                            |                | falling                  | fra810           |
| quarantieme                                | fortieth       | flat                     | fra812           |
|                                            |                | rising                   | fra813           |
|                                            |                | falling                  | fra814           |
| cinquantieme                               | fiftieth       | flat                     | fra816           |
|                                            |                | rising                   | fra817           |
|                                            |                | falling                  | fra818           |
| soixantieme                                | sixtieth       | flat                     | fra820           |
|                                            |                | rising                   | fra821           |
|                                            |                | falling                  | fra822           |
| soixante-dixieme                           | seventieth     | flat                     | fra824           |
|                                            |                | rising                   | fra825           |
|                                            |                | falling                  | fra826           |

**French audio (Sheet 16 of 25)**

| <b>French phrase or English equivalent</b> | <b>English</b>  | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|-----------------|--------------------------|------------------|
| quatre-vingtieme                           | eightieth       | flat                     | fra828           |
|                                            |                 | rising                   | fra829           |
|                                            |                 | falling                  | fra830           |
| quatre-vingt-dizieme                       | ninetieth       | flat                     | fra832           |
|                                            |                 | rising                   | fra833           |
|                                            |                 | falling                  | fra834           |
| un centieme                                | one-hundredth   | flat                     | fra836           |
|                                            |                 | rising                   | fra837           |
|                                            |                 | falling                  | fra838           |
| deux centiemes                             | two-hundredth   | flat                     | fra840           |
|                                            |                 | rising                   | fra841           |
|                                            |                 | falling                  | fra842           |
| trois centiemes                            | three-hundredth | flat                     | fra844           |
|                                            |                 | rising                   | fra845           |
|                                            |                 | falling                  | fra846           |
| quatre centiemes                           | four-hundredth  | flat                     | fra848           |
|                                            |                 | rising                   | fra849           |
|                                            |                 | falling                  | fra850           |
| cinq centiemes                             | five-hundredth  | flat                     | fra852           |
|                                            |                 | rising                   | fra853           |
|                                            |                 | falling                  | fra854           |
| six centiemes                              | six-hundredth   | flat                     | fra856           |
|                                            |                 | rising                   | fra857           |
|                                            |                 | falling                  | fra858           |
| sept centiemes                             | seven-hundredth | flat                     | fra860           |
|                                            |                 | rising                   | fra861           |
|                                            |                 | falling                  | fra862           |

**French audio (Sheet 17 of 25)**

| <b>French phrase or English equivalent</b> | <b>English</b>    | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|-------------------|--------------------------|------------------|
| huit centiemes                             | eight-hundredth   | flat                     | fra864           |
|                                            |                   | rising                   | fra865           |
|                                            |                   | falling                  | fra866           |
| neuf centiemes                             | nine-hundredth    | flat                     | fra868           |
|                                            |                   | rising                   | fra869           |
|                                            |                   | falling                  | fra870           |
| millieme                                   | thousandth        | flat                     | fra872           |
|                                            |                   | rising                   | fra873           |
|                                            |                   | falling                  | fra874           |
| millionieme                                | millionth         | flat                     | fra880           |
|                                            |                   | rising                   | fra881           |
|                                            |                   | falling                  | fra882           |
| livre                                      | pound sign<br>(#) | flat                     | fra896           |
|                                            |                   | rising                   | fra897           |
|                                            |                   | falling                  | fra898           |
| asterisque                                 | asterisk<br>(*)   | flat                     | fra900           |
|                                            |                   | rising                   | fra901           |
|                                            |                   | falling                  | fra902           |
| Dollar                                     | dollar<br>(US)    | flat                     | fra1200          |
|                                            |                   | rising                   | fra1201          |
|                                            |                   | falling                  | fra1202          |
| Dollars                                    | dollars<br>(US)   | flat                     | fra1204          |
|                                            |                   | rising                   | fra1205          |
|                                            |                   | falling                  | fra1206          |
| Cent                                       | cent<br>(US)      | flat                     | fra1208          |
|                                            |                   | rising                   | fra1209          |
|                                            |                   | falling                  | fra1210          |

**French audio (Sheet 18 of 25)**

| <b>French phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|-----------------------|--------------------------|------------------|
| Cents                                      | cents<br>(US)         | flat                     | fra1212          |
|                                            |                       | rising                   | fra1213          |
|                                            |                       | falling                  | fra1214          |
| Mark                                       | mark<br>(Germany)     | flat                     | fra1216          |
|                                            |                       | rising                   | fra1217          |
|                                            |                       | falling                  | fra1218          |
| Marks                                      | marks<br>(Germany)    | flat                     | fra1220          |
|                                            |                       | rising                   | fra1221          |
|                                            |                       | falling                  | fra1222          |
| Pfennig                                    | pfennig<br>(Germany)  | flat                     | fra1224          |
|                                            |                       | rising                   | fra1225          |
|                                            |                       | falling                  | fra1226          |
| Pfennigs                                   | pfennigs<br>(Germany) | flat                     | fra1228          |
|                                            |                       | rising                   | fra1229          |
|                                            |                       | falling                  | fra1230          |
| Yen                                        | yen<br>(Japan)        | flat                     | fra1232          |
|                                            |                       | rising                   | fra1233          |
|                                            |                       | falling                  | fra1234          |
| Yens                                       | yens<br>(Japan)       | flat                     | fra1236          |
|                                            |                       | rising                   | fra1237          |
|                                            |                       | falling                  | fra1238          |
| Lira                                       | lira<br>(Italy)       | flat                     | fra1240          |
|                                            |                       | rising                   | fra1241          |
|                                            |                       | falling                  | fra1242          |
| Lire                                       | liras<br>(Italy)      | flat                     | fra1244          |
|                                            |                       | rising                   | fra1245          |
|                                            |                       | falling                  | fra1246          |

**French audio (Sheet 19 of 25)**

| <b>French phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|---------------------------|--------------------------|------------------|
| Guilder                                    | guilder<br>(Netherlands)  | flat                     | fra1248          |
|                                            |                           | rising                   | fra1249          |
|                                            |                           | falling                  | fra1250          |
| Guilders                                   | guilders<br>(Netherlands) | flat                     | fra1252          |
|                                            |                           | rising                   | fra1253          |
|                                            |                           | falling                  | fra1254          |
| Cent                                       | cent<br>(Netherlands)     | flat                     | fra1256          |
|                                            |                           | rising                   | fra1257          |
|                                            |                           | falling                  | fra1258          |
| Cents                                      | cents<br>(Netherlands)    | flat                     | fra1260          |
|                                            |                           | rising                   | fra1261          |
|                                            |                           | falling                  | fra1262          |
| Pound                                      | pound<br>(UK)             | flat                     | fra1264          |
|                                            |                           | rising                   | fra1265          |
|                                            |                           | falling                  | fra1266          |
| Pounds                                     | pounds<br>(UK)            | flat                     | fra1268          |
|                                            |                           | rising                   | fra1269          |
|                                            |                           | falling                  | fra1270          |
| penny                                      | penny<br>(UK)             | flat                     | fra1272          |
|                                            |                           | rising                   | fra1273          |
|                                            |                           | falling                  | fra1274          |
| pence                                      | pence<br>(UK)             | flat                     | fra1276          |
|                                            |                           | rising                   | fra1277          |
|                                            |                           | falling                  | fra1278          |
| euro                                       | euro<br>(Euro)            | flat                     | fra1280          |
|                                            |                           | rising                   | fra1281          |
|                                            |                           | falling                  | fra1282          |

**French audio (Sheet 20 of 25)**

| <b>French phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| euros                                      | euros          | flat                     | fra1284          |
|                                            | (Euro)         | rising                   | fra1285          |
|                                            |                | falling                  | fra1286          |
| eurocent                                   | eurocent       | flat                     | fra1288          |
|                                            | (Euro)         | rising                   | fra1289          |
|                                            |                | falling                  | fra1290          |
| eurocents                                  | eurocents      | flat                     | fra1292          |
|                                            | (Euro)         | rising                   | fra1293          |
|                                            |                | falling                  | fra1294          |
| franc                                      | franc          | flat                     | fra1296          |
|                                            | (France)       | rising                   | fra1297          |
|                                            |                | falling                  | fra1298          |
| francs                                     | francs         | flat                     | fra1300          |
|                                            | (France)       | rising                   | fra1301          |
|                                            |                | falling                  | fra1302          |
| centime                                    | centime        | flat                     | fra1304          |
|                                            | (France)       | rising                   | fra1305          |
|                                            |                | falling                  | fra1306          |
| centimes                                   | centimes       | flat                     | fra1308          |
|                                            | (France)       | rising                   | fra1309          |
|                                            |                | falling                  | fra1310          |
| peseta                                     | peseta         | flat                     | fra1312          |
|                                            | (Spain)        | rising                   | fra1313          |
|                                            |                | falling                  | fra1314          |
| pesetas                                    | pesetas        | flat                     | fra1316          |
|                                            | (Spain)        | rising                   | fra1317          |
|                                            |                | falling                  | fra1318          |

**French audio (Sheet 21 of 25)**

| <b>French phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|---------------------------|--------------------------|------------------|
| peso                                       | peso<br>(Philippines)     | flat                     | fra1328          |
|                                            |                           | rising                   | fra1329          |
|                                            |                           | falling                  | fra1330          |
| pesos                                      | pesos<br>(Philippines)    | flat                     | fra1332          |
|                                            |                           | rising                   | fra1333          |
|                                            |                           | falling                  | fra1334          |
| centavo                                    | centavo<br>(Philippines)  | flat                     | fra1336          |
|                                            |                           | rising                   | fra1337          |
|                                            |                           | falling                  | fra1338          |
| centavos                                   | centavos<br>(Philippines) | flat                     | fra1340          |
|                                            |                           | rising                   | fra1341          |
|                                            |                           | falling                  | fra1342          |
| ringgit                                    | ringgit<br>(Malaysia)     | flat                     | fra1344          |
|                                            |                           | rising                   | fra1345          |
|                                            |                           | falling                  | fra1346          |
| ringgits                                   | ringgits<br>(Malaysia)    | flat                     | fra1348          |
|                                            |                           | rising                   | fra1349          |
|                                            |                           | falling                  | fra1350          |
| sen                                        | sen<br>(Malaysia)         | flat                     | fra1352          |
|                                            |                           | rising                   | fra1353          |
|                                            |                           | falling                  | fra1354          |
| sens                                       | sens<br>(Malaysia)        | flat                     | fra1356          |
|                                            |                           | rising                   | fra1357          |
|                                            |                           | falling                  | fra1358          |
| baht                                       | baht<br>(Thailand)        | flat                     | fra1360          |
|                                            |                           | rising                   | fra1361          |
|                                            |                           | falling                  | fra1362          |



**French audio (Sheet 22 of 25)**

| <b>French phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|-----------------------|--------------------------|------------------|
| bahts                                      | bahts<br>(Thailand)   | flat                     | fra1364          |
|                                            |                       | rising                   | fra1365          |
|                                            |                       | falling                  | fra1366          |
| satang                                     | satang<br>(Thailand)  | flat                     | fra1368          |
|                                            |                       | rising                   | fra1369          |
|                                            |                       | falling                  | fra1370          |
| satangs                                    | satangs<br>(Thailand) | flat                     | fra1372          |
|                                            |                       | rising                   | fra1373          |
|                                            |                       | falling                  | fra1374          |
| won                                        | won<br>(Korea)        | flat                     | fra1376          |
|                                            |                       | rising                   | fra1377          |
|                                            |                       | falling                  | fra1378          |
| wons                                       | wons<br>(Korea)       | flat                     | fra1380          |
|                                            |                       | rising                   | fra1381          |
|                                            |                       | falling                  | fra1382          |
| franc                                      | franc<br>(Belgium)    | flat                     | fra1384          |
|                                            |                       | rising                   | fra1385          |
|                                            |                       | falling                  | fra1386          |
| francs                                     | francs<br>(Belgium)   | flat                     | fra1388          |
|                                            |                       | rising                   | fra1389          |
|                                            |                       | falling                  | fra1390          |
| centime                                    | centime<br>(Belgium)  | flat                     | fra1392          |
|                                            |                       | rising                   | fra1393          |
|                                            |                       | falling                  | fra1394          |
| centimes                                   | centimes<br>(Belgium) | flat                     | fra1396          |
|                                            |                       | rising                   | fra1397          |
|                                            |                       | falling                  | fra1398          |

**French audio (Sheet 23 of 25)**

| <b>French phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|------------------------|--------------------------|------------------|
| dollar                                     | dollar<br>(Canada)     | flat                     | fra1400          |
|                                            |                        | rising                   | fra1401          |
|                                            |                        | falling                  | fra1402          |
| dollars                                    | dollars<br>(Canada)    | flat                     | fra1404          |
|                                            |                        | rising                   | fra1405          |
|                                            |                        | falling                  | fra1406          |
| cent                                       | cent<br>(Canada)       | flat                     | fra1408          |
|                                            |                        | rising                   | fra1409          |
|                                            |                        | falling                  | fra1410          |
| cents                                      | cents<br>(Canada)      | flat                     | fra1412          |
|                                            |                        | rising                   | fra1413          |
|                                            |                        | falling                  | fra1414          |
| dollar                                     | dollar<br>(Hong Kong)  | flat                     | fra1416          |
|                                            |                        | rising                   | fra1417          |
|                                            |                        | falling                  | fra1418          |
| dollars                                    | dollars<br>(Hong Kong) | flat                     | fra1420          |
|                                            |                        | rising                   | fra1421          |
|                                            |                        | falling                  | fra1422          |
| cent                                       | cent<br>(Hong Kong)    | flat                     | fra1424          |
|                                            |                        | rising                   | fra1425          |
|                                            |                        | falling                  | fra1426          |
| cents                                      | cents<br>(Hong Kong)   | flat                     | fra1428          |
|                                            |                        | rising                   | fra1429          |
|                                            |                        | falling                  | fra1430          |
| gok                                        | gok<br>(Hong Kong)     | flat                     | fra1488          |
|                                            |                        | rising                   | fra1489          |
|                                            |                        | falling                  | fra1490          |

**French audio (Sheet 24 of 25)**

| <b>French phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|------------------------|--------------------------|------------------|
| goks                                       | goks<br>(Hong Kong)    | flat                     | fra1492          |
|                                            |                        | rising                   | fra1493          |
|                                            |                        | falling                  | fra1494          |
| escudo                                     | escudo<br>(Portugal)   | flat                     | fra1432          |
|                                            |                        | rising                   | fra1433          |
|                                            |                        | falling                  | fra1434          |
| escudos                                    | escudos<br>(Portugal)  | flat                     | fra1436          |
|                                            |                        | rising                   | fra1437          |
|                                            |                        | falling                  | fra1438          |
| centavo                                    | centavo<br>(Portugal)  | flat                     | fra1440          |
|                                            |                        | rising                   | fra1441          |
|                                            |                        | falling                  | fra1442          |
| centavos                                   | centavos<br>(Portugal) | flat                     | fra1444          |
|                                            |                        | rising                   | fra1445          |
|                                            |                        | falling                  | fra1446          |
| yuan                                       | yuan<br>(China)        | flat                     | fra1448          |
|                                            |                        | rising                   | fra1449          |
|                                            |                        | falling                  | fra1450          |
| yuans                                      | yuans<br>(China)       | flat                     | fra1452          |
|                                            |                        | rising                   | fra1453          |
|                                            |                        | falling                  | fra1454          |
| jiao                                       | jiao<br>(China)        | flat                     | fra1456          |
|                                            |                        | rising                   | fra1457          |
|                                            |                        | falling                  | fra1458          |
| jiaos                                      | jiaos<br>(China)       | flat                     | fra1460          |
|                                            |                        | rising                   | fra1461          |
|                                            |                        | falling                  | fra1462          |

**French audio (Sheet 25 of 25)**

| <b>French phrase or English equivalent</b> | <b>English</b>      | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|---------------------|--------------------------|------------------|
| fen                                        | fen<br>(China)      | flat                     | fra1464          |
|                                            |                     | rising                   | fra1465          |
|                                            |                     | falling                  | fra1466          |
| fens                                       | fens<br>(China)     | flat                     | fra1468          |
|                                            |                     | rising                   | fra1469          |
|                                            |                     | falling                  | fra1470          |
| pound                                      | pound<br>(Ireland)  | flat                     | fra1472          |
|                                            |                     | rising                   | fra1473          |
|                                            |                     | falling                  | fra1474          |
| pounds                                     | pounds<br>(Ireland) | flat                     | fra1476          |
|                                            |                     | rising                   | fra1477          |
|                                            |                     | falling                  | fra1478          |
| penny                                      | penny<br>(Ireland)  | flat                     | fra1480          |
|                                            |                     | rising                   | fra1481          |
|                                            |                     | falling                  | fra1482          |
| pence                                      | pence<br>(Ireland)  | flat                     | fra1484          |
|                                            |                     | rising                   | fra1485          |
|                                            |                     | falling                  | fra1486          |
| a.m.                                       | a.m.                | flat                     | fra908           |
|                                            |                     | rising                   | fra909           |
|                                            |                     | falling                  | fra910           |
| p.m.                                       | p.m.                | flat                     | fra912           |
|                                            |                     | rising                   | fra913           |
|                                            |                     | falling                  | fra914           |
| midnight                                   | midnight            | flat                     | fra1524          |
|                                            |                     | rising                   | fra1525          |
|                                            |                     | falling                  | fra1526          |

## Galician audio files

**Note 1:** Use audio file names glg508–glg610 for the multilanguage strings functionality. Recording of this audio is optional and the content of the recording can be any word. This audio is only required when the string functionality is used.

**Note 2:** Only record audio file names glg1536–glg1646 and glg1728–glg1838 if you provision audio for ordinal numbers on the system. The ordinal values for numbers less than three are used in applications (date) and are required unless otherwise specified.

**Note 3:** Only record audio filenames glg1400–glg1486 if you provision audio for this currency.

### Galician audio (Sheet 1 of 34)

| Galician phrase or English equivalent | English | Phrase intonation | File name |
|---------------------------------------|---------|-------------------|-----------|
| cero                                  | zero    | flat              | glg0      |
|                                       |         | rising            | glg1      |
|                                       |         | falling           | glg2      |
| un                                    | one     | flat              | glg8      |
|                                       |         | rising            | glg9      |
|                                       |         | falling           | glg10     |
| dous                                  | two     | flat              | glg12     |
|                                       |         | rising            | glg13     |
|                                       |         | falling           | glg14     |
| tres                                  | three   | flat              | glg16     |
|                                       |         | rising            | glg17     |
|                                       |         | falling           | glg18     |
| glgro                                 | four    | flat              | glg20     |
|                                       |         | rising            | glg21     |
|                                       |         | falling           | glg22     |

**Galician audio (Sheet 2 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|----------------|--------------------------|------------------|
| cinco                                        | five           | flat                     | glg24            |
|                                              |                | rising                   | glg25            |
|                                              |                | falling                  | glg26            |
| seis                                         | six            | flat                     | glg28            |
|                                              |                | rising                   | glg29            |
|                                              |                | falling                  | glg30            |
| sete                                         | seven          | flat                     | glg33            |
|                                              |                | rising                   | glg34            |
|                                              |                | falling                  | glg35            |
| oito                                         | eight          | flat                     | glg36            |
|                                              |                | rising                   | glg37            |
|                                              |                | falling                  | glg38            |
| nove                                         | nine           | flat                     | glg40            |
|                                              |                | rising                   | glg41            |
|                                              |                | falling                  | glg42            |
| dez                                          | ten            | flat                     | glg56            |
|                                              |                | rising                   | glg57            |
|                                              |                | falling                  | glg58            |
| once                                         | eleven         | flat                     | glg60            |
|                                              |                | rising                   | glg61            |
|                                              |                | falling                  | glg62            |
| doce                                         | twelve         | flat                     | glg64            |
|                                              |                | rising                   | glg65            |
|                                              |                | falling                  | glg66            |
| trece                                        | thirteen       | flat                     | glg68            |
|                                              |                | rising                   | glg69            |
|                                              |                | falling                  | glg70            |

**Galician audio (Sheet 3 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|----------------|--------------------------|------------------|
| glgorce                                      | fourteen       | flat                     | glg72            |
|                                              |                | rising                   | glg73            |
|                                              |                | falling                  | glg74            |
| quince                                       | fifteen        | flat                     | glg76            |
|                                              |                | rising                   | glg77            |
|                                              |                | falling                  | glg78            |
| dezaseis                                     | sixteen        | flat                     | glg80            |
|                                              |                | rising                   | glg81            |
|                                              |                | falling                  | glg82            |
| dezasete                                     | seventeen      | flat                     | glg84            |
|                                              |                | rising                   | glg85            |
|                                              |                | falling                  | glg86            |
| dezaioito                                    | eighteen       | flat                     | glg88            |
|                                              |                | rising                   | glg89            |
|                                              |                | falling                  | glg90            |
| dezanove                                     | nineteen       | flat                     | glg92            |
|                                              |                | rising                   | glg93            |
|                                              |                | falling                  | glg94            |
| vinte                                        | twenty         | flat                     | glg96            |
|                                              |                | rising                   | glg97            |
|                                              |                | falling                  | glg98            |
| trinta                                       | thirty         | flat                     | glg100           |
|                                              |                | rising                   | glg101           |
|                                              |                | falling                  | glg102           |
| corenta                                      | forty          | flat                     | glg104           |
|                                              |                | rising                   | glg105           |
|                                              |                | falling                  | glg106           |

**Galician audio (Sheet 4 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|----------------|--------------------------|------------------|
| cincuenta                                    | fifty          | flat                     | glg108           |
|                                              |                | rising                   | glg109           |
|                                              |                | falling                  | glg110           |
| sesenta                                      | sixty          | flat                     | glg112           |
|                                              |                | rising                   | glg113           |
|                                              |                | falling                  | glg114           |
| setenta                                      | seventy        | flat                     | glg116           |
|                                              |                | rising                   | glg117           |
|                                              |                | falling                  | glg118           |
| oitenta                                      | eighty         | flat                     | glg120           |
|                                              |                | rising                   | glg121           |
|                                              |                | falling                  | glg122           |
| noventa                                      | ninety         | flat                     | glg124           |
|                                              |                | rising                   | glg125           |
|                                              |                | falling                  | glg126           |
| cen                                          | one-hundred    | flat                     | glg132           |
|                                              |                | rising                   | glg133           |
|                                              |                | falling                  | glg134           |
| douscentos                                   | two-hundred    | flat                     | glg136           |
|                                              |                | rising                   | glg137           |
|                                              |                | falling                  | glg138           |
| trescentos                                   | three-hundred  | flat                     | glg140           |
|                                              |                | rising                   | glg141           |
|                                              |                | falling                  | glg142           |
| glgrocentos                                  | four-hundred   | flat                     | glg144           |
|                                              |                | rising                   | glg145           |
|                                              |                | falling                  | glg146           |



**Galician audio (Sheet 5 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|----------------|--------------------------|------------------|
| cincocentos                                  | five-hundred   | flat                     | glg148           |
|                                              |                | rising                   | glg149           |
|                                              |                | falling                  | glg150           |
| seiscentos                                   | six-hundred    | flat                     | glg152           |
|                                              |                | rising                   | glg153           |
|                                              |                | falling                  | glg154           |
| setecentos                                   | seven-hundred  | flat                     | glg156           |
|                                              |                | rising                   | glg157           |
|                                              |                | falling                  | glg158           |
| oitocentos                                   | eight-hundred  | flat                     | glg160           |
|                                              |                | rising                   | glg161           |
|                                              |                | falling                  | glg162           |
| novecentos                                   | nine-hundred   | flat                     | glg164           |
|                                              |                | rising                   | glg165           |
|                                              |                | falling                  | glg166           |
| vinteun                                      | twenty-one     | flat                     | glg208           |
|                                              |                | rising                   | glg209           |
|                                              |                | falling                  | glg210           |
| vintedos                                     | twenty-two     | flat                     | glg212           |
|                                              |                | rising                   | glg213           |
|                                              |                | falling                  | glg214           |
| vintetres                                    | twenty-three   | flat                     | glg216           |
|                                              |                | rising                   | glg217           |
|                                              |                | falling                  | glg218           |
| vinteglgro                                   | twenty-four    | flat                     | glg220           |
|                                              |                | rising                   | glg221           |
|                                              |                | falling                  | glg222           |

**Galician audio (Sheet 6 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|----------------|--------------------------|------------------|
| vintecinco                                   | twenty-five    | flat                     | glg224           |
|                                              |                | rising                   | glg225           |
|                                              |                | falling                  | glg226           |
| vinteseis                                    | twenty-six     | flat                     | glg228           |
|                                              |                | rising                   | glg229           |
|                                              |                | falling                  | glg230           |
| vintisete                                    | twenty-seven   | flat                     | glg232           |
|                                              |                | rising                   | glg233           |
|                                              |                | falling                  | glg234           |
| vinteito                                     | twenty-eight   | flat                     | glg236           |
|                                              |                | rising                   | glg237           |
|                                              |                | falling                  | glg238           |
| vintenove                                    | twenty-nine    | flat                     | glg240           |
|                                              |                | rising                   | glg241           |
|                                              |                | falling                  | glg242           |
| millar/milleiro                              | one-thousand   | flat                     | glg496           |
|                                              |                | rising                   | glg497           |
|                                              |                | falling                  | glg498           |
| millon                                       | one-million    | flat                     | glg500           |
|                                              |                | rising                   | glg501           |
|                                              |                | falling                  | glg502           |
| a                                            | a              | flat                     | glg508           |
|                                              |                | rising                   | glg509           |
|                                              |                | falling                  | glg510           |
| b                                            | b              | flat                     | glg512           |
|                                              |                | rising                   | glg513           |
|                                              |                | falling                  | glg514           |

**Galician audio (Sheet 7 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|----------------|--------------------------|------------------|
| c                                            | c              | flat                     | glg516           |
|                                              |                | rising                   | glg517           |
|                                              |                | falling                  | glg518           |
| d                                            | d              | flat                     | glg520           |
|                                              |                | rising                   | glg521           |
|                                              |                | falling                  | glg522           |
| e                                            | e              | flat                     | glg524           |
|                                              |                | rising                   | glg525           |
|                                              |                | falling                  | glg526           |
| f                                            | f              | flat                     | glg528           |
|                                              |                | rising                   | glg529           |
|                                              |                | falling                  | glg530           |
| g                                            | g              | flat                     | glg532           |
|                                              |                | rising                   | glg533           |
|                                              |                | falling                  | glg534           |
| h                                            | h              | flat                     | glg536           |
|                                              |                | rising                   | glg537           |
|                                              |                | falling                  | glg538           |
| i                                            | i              | flat                     | glg540           |
|                                              |                | rising                   | glg541           |
|                                              |                | falling                  | glg542           |
| j                                            | j              | flat                     | glg544           |
|                                              |                | rising                   | glg545           |
|                                              |                | falling                  | glg546           |
| k                                            | k              | flat                     | glg548           |
|                                              |                | rising                   | glg549           |
|                                              |                | falling                  | glg550           |

**Galician audio (Sheet 8 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|----------------|--------------------------|------------------|
| l                                            | l              | flat                     | glg552           |
|                                              |                | rising                   | glg553           |
|                                              |                | falling                  | glg554           |
| m                                            | m              | flat                     | glg556           |
|                                              |                | rising                   | glg557           |
|                                              |                | falling                  | glg558           |
| n                                            | n              | flat                     | glg560           |
|                                              |                | rising                   | glg561           |
|                                              |                | falling                  | glg562           |
| o                                            | o              | flat                     | glg564           |
|                                              |                | rising                   | glg565           |
|                                              |                | falling                  | glg566           |
| p                                            | p              | flat                     | glg568           |
|                                              |                | rising                   | glg569           |
|                                              |                | falling                  | glg570           |
| q                                            | q              | flat                     | glg572           |
|                                              |                | rising                   | glg573           |
|                                              |                | falling                  | glg574           |
| r                                            | r              | flat                     | glg576           |
|                                              |                | rising                   | glg577           |
|                                              |                | falling                  | glg578           |
| s                                            | s              | flat                     | glg580           |
|                                              |                | rising                   | glg581           |
|                                              |                | falling                  | glg582           |
| t                                            | t              | flat                     | glg584           |
|                                              |                | rising                   | glg585           |
|                                              |                | falling                  | glg586           |

**Galician audio (Sheet 9 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|----------------|--------------------------|------------------|
| u                                            | u              | flat                     | glg588           |
|                                              |                | rising                   | glg589           |
|                                              |                | falling                  | glg590           |
| v                                            | v              | flat                     | glg592           |
|                                              |                | rising                   | glg593           |
|                                              |                | falling                  | glg594           |
| w                                            | w              | flat                     | glg596           |
|                                              |                | rising                   | glg597           |
|                                              |                | falling                  | glg598           |
| x                                            | x              | flat                     | glg600           |
|                                              |                | rising                   | glg601           |
|                                              |                | falling                  | glg602           |
| y                                            | y              | flat                     | glg604           |
|                                              |                | rising                   | glg605           |
|                                              |                | falling                  | glg606           |
| z                                            | z              | flat                     | glg608           |
|                                              |                | rising                   | glg609           |
|                                              |                | falling                  | glg610           |
| negativo                                     | negative       | flat                     | glg616           |
|                                              |                | rising                   | glg617           |
|                                              |                | falling                  | glg618           |
| e                                            | and            | flat                     | glg620           |
|                                              |                | rising                   | glg621           |
|                                              |                | falling                  | glg622           |
| hora                                         | hour           | flat                     | glg624           |
|                                              |                | rising                   | glg625           |
|                                              |                | falling                  | glg626           |

**Galician audio (Sheet 10 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|----------------|--------------------------|------------------|
| horas                                        | hours          | flat                     | glg628           |
|                                              |                | rising                   | glg629           |
|                                              |                | falling                  | glg630           |
| minuto                                       | minute         | flat                     | glg632           |
|                                              |                | rising                   | glg633           |
|                                              |                | falling                  | glg634           |
| minutos                                      | minutes        | flat                     | glg636           |
|                                              |                | rising                   | glg637           |
|                                              |                | falling                  | glg638           |
| segundo                                      | second         | flat                     | glg640           |
|                                              |                | rising                   | glg641           |
|                                              |                | falling                  | glg642           |
| segundos                                     | seconds        | flat                     | glg644           |
|                                              |                | rising                   | glg645           |
|                                              |                | falling                  | glg646           |
| xaneiro                                      | January        | flat                     | glg648           |
|                                              |                | rising                   | glg649           |
|                                              |                | falling                  | glg650           |
| febreiro                                     | February       | flat                     | glg652           |
|                                              |                | rising                   | glg653           |
|                                              |                | falling                  | glg654           |
| marzo                                        | March          | flat                     | glg656           |
|                                              |                | rising                   | glg657           |
|                                              |                | falling                  | glg658           |
| abril                                        | April          | flat                     | glg660           |
|                                              |                | rising                   | glg661           |
|                                              |                | falling                  | glg662           |

**Galician audio (Sheet 11 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|----------------|--------------------------|------------------|
| maio                                         | May            | flat                     | glg664           |
|                                              |                | rising                   | glg665           |
|                                              |                | falling                  | glg666           |
| xuno                                         | June           | flat                     | glg668           |
|                                              |                | rising                   | glg669           |
|                                              |                | falling                  | glg670           |
| xullo                                        | July           | flat                     | glg672           |
|                                              |                | rising                   | glg673           |
|                                              |                | falling                  | glg674           |
| agosto                                       | August         | flat                     | glg676           |
|                                              |                | rising                   | glg677           |
|                                              |                | falling                  | glg678           |
| setembro                                     | September      | flat                     | glg680           |
|                                              |                | rising                   | glg681           |
|                                              |                | falling                  | glg682           |
| outubro                                      | October        | flat                     | glg684           |
|                                              |                | rising                   | glg685           |
|                                              |                | falling                  | glg686           |
| noembro                                      | November       | flat                     | glg688           |
|                                              |                | rising                   | glg689           |
|                                              |                | falling                  | glg690           |
| decembro                                     | December       | flat                     | glg692           |
|                                              |                | rising                   | glg693           |
|                                              |                | falling                  | glg694           |
| domingo                                      | Sunday         | flat                     | glg696           |
|                                              |                | rising                   | glg697           |
|                                              |                | falling                  | glg698           |

**Galician audio (Sheet 12 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|----------------|--------------------------|------------------|
| luns                                         | Monday         | flat                     | glg700           |
|                                              |                | rising                   | glg701           |
|                                              |                | falling                  | glg702           |
| martes                                       | Tuesday        | flat                     | glg704           |
|                                              |                | rising                   | glg705           |
|                                              |                | falling                  | glg706           |
| mercores                                     | Wednesday      | flat                     | glg708           |
|                                              |                | rising                   | glg709           |
|                                              |                | falling                  | glg710           |
| xoves                                        | Thursday       | flat                     | glg712           |
|                                              |                | rising                   | glg713           |
|                                              |                | falling                  | glg714           |
| venres                                       | Friday         | flat                     | glg716           |
|                                              |                | rising                   | glg717           |
|                                              |                | falling                  | glg718           |
| sabado                                       | Saturday       | flat                     | glg720           |
|                                              |                | rising                   | glg721           |
|                                              |                | falling                  | glg722           |
| primeiro                                     | first          | flat                     | glg728           |
|                                              |                | rising                   | glg729           |
|                                              |                | falling                  | glg730           |
| segundo                                      | second         | flat                     | glg732           |
|                                              |                | rising                   | glg733           |
|                                              |                | falling                  | glg734           |
| terceiro                                     | third          | flat                     | glg736           |
|                                              |                | rising                   | glg737           |
|                                              |                | falling                  | glg738           |



**Galician audio (Sheet 13 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|----------------|--------------------------|------------------|
| cuarto                                       | fourth         | flat                     | glg740           |
|                                              |                | rising                   | glg741           |
|                                              |                | falling                  | glg742           |
| quinto                                       | fifth          | flat                     | glg744           |
|                                              |                | rising                   | glg745           |
|                                              |                | falling                  | glg746           |
| sexto                                        | sixth          | flat                     | glg748           |
|                                              |                | rising                   | glg749           |
|                                              |                | falling                  | glg750           |
| setimo                                       | seventh        | flat                     | glg752           |
|                                              |                | rising                   | glg753           |
|                                              |                | falling                  | glg754           |
| oitavo                                       | eighth         | flat                     | glg756           |
|                                              |                | rising                   | glg757           |
|                                              |                | falling                  | glg758           |
| novenno                                      | ninth          | flat                     | glg760           |
|                                              |                | rising                   | glg761           |
|                                              |                | falling                  | glg762           |
| decimo                                       | tenth          | flat                     | glg764           |
|                                              |                | rising                   | glg765           |
|                                              |                | falling                  | glg766           |
| decimo primeiro                              | eleventh       | flat                     | glg768           |
|                                              |                | rising                   | glg769           |
|                                              |                | falling                  | glg770           |
| duodecimo                                    | twelfth        | flat                     | glg772           |
|                                              |                | rising                   | glg773           |
|                                              |                | falling                  | glg774           |

**Galician audio (Sheet 14 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|----------------|--------------------------|------------------|
| decimo terceiro                              | thirteenth     | flat                     | glg776           |
|                                              |                | rising                   | glg777           |
|                                              |                | falling                  | glg778           |
| decimo cuarto                                | fourteenth     | flat                     | glg780           |
|                                              |                | rising                   | glg781           |
|                                              |                | falling                  | glg782           |
| decimo quinto                                | fifteenth      | flat                     | glg784           |
|                                              |                | rising                   | glg785           |
|                                              |                | falling                  | glg786           |
| decimo sexto                                 | sixteenth      | flat                     | glg788           |
|                                              |                | rising                   | glg789           |
|                                              |                | falling                  | glg790           |
| decimo setimo                                | seventeenth    | flat                     | glg792           |
|                                              |                | rising                   | glg793           |
|                                              |                | falling                  | glg794           |
| decimo oitavo                                | eighteenth     | flat                     | glg796           |
|                                              |                | rising                   | glg797           |
|                                              |                | falling                  | glg798           |
| decimo noveno                                | nineteenth     | flat                     | glg800           |
|                                              |                | rising                   | glg801           |
|                                              |                | falling                  | glg802           |
| vixesimo                                     | twentieth      | flat                     | glg804           |
|                                              |                | rising                   | glg805           |
|                                              |                | falling                  | glg806           |
| trixesimo                                    | thirtieth      | flat                     | glg808           |
|                                              |                | rising                   | glg809           |
|                                              |                | falling                  | glg810           |

**Galician audio (Sheet 15 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b>    | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|-------------------|--------------------------|------------------|
| cuadraxesimo                                 | fortieth          | flat                     | glg812           |
|                                              |                   | rising                   | glg813           |
|                                              |                   | falling                  | glg814           |
| quincuaxesimo                                | fiftieth          | flat                     | glg816           |
|                                              |                   | rising                   | glg817           |
|                                              |                   | falling                  | glg818           |
| sexaxesimo                                   | sixtieth          | flat                     | glg820           |
|                                              |                   | rising                   | glg821           |
|                                              |                   | falling                  | glg822           |
| septuaxesimo                                 | seventieth        | flat                     | glg824           |
|                                              |                   | rising                   | glg825           |
|                                              |                   | falling                  | glg826           |
| octaxesimo                                   | eightieth         | flat                     | glg828           |
|                                              |                   | rising                   | glg829           |
|                                              |                   | falling                  | glg830           |
| nonaxesimo                                   | ninetieth         | flat                     | glg832           |
|                                              |                   | rising                   | glg833           |
|                                              |                   | falling                  | glg834           |
| centesimo                                    | one-hundredth     | flat                     | glg836           |
|                                              |                   | rising                   | glg837           |
|                                              |                   | falling                  | glg838           |
| almofada                                     | pound sign<br>(#) | flat                     | glg896           |
|                                              |                   | rising                   | glg897           |
|                                              |                   | falling                  | glg898           |
| estrela                                      | asterisk<br>(*)   | flat                     | glg900           |
|                                              |                   | rising                   | glg901           |
|                                              |                   | falling                  | glg902           |

**Galician audio (Sheet 16 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|-----------------------|--------------------------|------------------|
| dollar                                       | dollar<br>(US)        | flat                     | glg1200          |
|                                              |                       | rising                   | glg1201          |
|                                              |                       | falling                  | glg1202          |
| dollars                                      | dollars<br>(US)       | flat                     | glg1204          |
|                                              |                       | rising                   | glg1205          |
|                                              |                       | falling                  | glg1206          |
| cent                                         | cent<br>(US)          | flat                     | glg1208          |
|                                              |                       | rising                   | glg1209          |
|                                              |                       | falling                  | glg1210          |
| cents                                        | cents<br>(US)         | flat                     | glg1212          |
|                                              |                       | rising                   | glg1213          |
|                                              |                       | falling                  | glg1214          |
| mark                                         | mark<br>(Germany)     | flat                     | glg1216          |
|                                              |                       | rising                   | glg1217          |
|                                              |                       | falling                  | glg1218          |
| marks                                        | marks<br>(Germany)    | flat                     | glg1220          |
|                                              |                       | rising                   | glg1221          |
|                                              |                       | falling                  | glg1222          |
| pfennig                                      | pfennig<br>(Germany)  | flat                     | glg1224          |
|                                              |                       | rising                   | glg1225          |
|                                              |                       | falling                  | glg1226          |
| pfennigs                                     | pfennigs<br>(Germany) | flat                     | glg1228          |
|                                              |                       | rising                   | glg1229          |
|                                              |                       | falling                  | glg1230          |
| yen                                          | yen<br>(Japan)        | flat                     | glg1232          |
|                                              |                       | rising                   | glg1233          |
|                                              |                       | falling                  | glg1234          |

**Galician audio (Sheet 17 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|---------------------------|--------------------------|------------------|
| yens                                         | yens<br>(Japan)           | flat                     | glg1236          |
|                                              |                           | rising                   | glg1237          |
|                                              |                           | falling                  | glg1238          |
| lira                                         | lira<br>(Italy)           | flat                     | glg1240          |
|                                              |                           | rising                   | glg1241          |
|                                              |                           | falling                  | glg1242          |
| liras                                        | liras<br>(Italy)          | flat                     | glg1244          |
|                                              |                           | rising                   | glg1245          |
|                                              |                           | falling                  | glg1246          |
| guilder                                      | guilder<br>(Netherlands)  | flat                     | glg1248          |
|                                              |                           | rising                   | glg1249          |
|                                              |                           | falling                  | glg1250          |
| guilders                                     | guilders<br>(Netherlands) | flat                     | glg1252          |
|                                              |                           | rising                   | glg1253          |
|                                              |                           | falling                  | glg1254          |
| cent                                         | cent<br>(Netherlands)     | flat                     | glg1256          |
|                                              |                           | rising                   | glg1257          |
|                                              |                           | falling                  | glg1258          |
| cents                                        | cents<br>(Netherlands)    | flat                     | glg1260          |
|                                              |                           | rising                   | glg1261          |
|                                              |                           | falling                  | glg1262          |
| pound                                        | pound<br>(UK)             | flat                     | glg1264          |
|                                              |                           | rising                   | glg1265          |
|                                              |                           | falling                  | glg1266          |
| pounds                                       | pounds<br>(UK)            | flat                     | glg1268          |
|                                              |                           | rising                   | glg1269          |
|                                              |                           | falling                  | glg1270          |

**Galician audio (Sheet 18 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b>      | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|---------------------|--------------------------|------------------|
| penny                                        | penny<br>(UK)       | flat                     | glg1272          |
|                                              |                     | rising                   | glg1273          |
|                                              |                     | falling                  | glg1274          |
| pence                                        | pence<br>(UK)       | flat                     | glg1276          |
|                                              |                     | rising                   | glg1277          |
|                                              |                     | falling                  | glg1278          |
| euro                                         | euro<br>(Euro)      | flat                     | glg1280          |
|                                              |                     | rising                   | glg1281          |
|                                              |                     | falling                  | glg1282          |
| euros                                        | euros<br>(Euro)     | flat                     | glg1284          |
|                                              |                     | rising                   | glg1285          |
|                                              |                     | falling                  | glg1286          |
| eurocent                                     | eurocent<br>(Euro)  | flat                     | glg1288          |
|                                              |                     | rising                   | glg1289          |
|                                              |                     | falling                  | glg1290          |
| eurocents                                    | eurocents<br>(Euro) | flat                     | glg1292          |
|                                              |                     | rising                   | glg1293          |
|                                              |                     | falling                  | glg1294          |
| franc                                        | franc<br>(France)   | flat                     | glg1296          |
|                                              |                     | rising                   | glg1297          |
|                                              |                     | falling                  | glg1298          |
| francs                                       | francs<br>(France)  | flat                     | glg1300          |
|                                              |                     | rising                   | glg1301          |
|                                              |                     | falling                  | glg1302          |
| centime                                      | centime<br>(France) | flat                     | glg1304          |
|                                              |                     | rising                   | glg1305          |
|                                              |                     | falling                  | glg1306          |

**Galician audio (Sheet 19 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|---------------------------|--------------------------|------------------|
| centimes                                     | centimes<br>(France)      | flat                     | glg1308          |
|                                              |                           | rising                   | glg1309          |
|                                              |                           | falling                  | glg1310          |
| peseta                                       | peseta<br>(Spain)         | flat                     | glg1312          |
|                                              |                           | rising                   | glg1313          |
|                                              |                           | falling                  | glg1314          |
| pesetas                                      | pesetas<br>(Spain)        | flat                     | glg1316          |
|                                              |                           | rising                   | glg1317          |
|                                              |                           | falling                  | glg1318          |
| peso                                         | peso<br>(Philippines)     | flat                     | glg1328          |
|                                              |                           | rising                   | glg1329          |
|                                              |                           | falling                  | glg1330          |
| pesos                                        | pesos<br>(Philippines)    | flat                     | glg1332          |
|                                              |                           | rising                   | glg1333          |
|                                              |                           | falling                  | glg1334          |
| centavo                                      | centavo<br>(Philippines)  | flat                     | glg1336          |
|                                              |                           | rising                   | glg1337          |
|                                              |                           | falling                  | glg1338          |
| centavos                                     | centavos<br>(Philippines) | flat                     | glg1340          |
|                                              |                           | rising                   | glg1341          |
|                                              |                           | falling                  | glg1342          |
| ringgit                                      | ringgit<br>(Malaysia)     | flat                     | glg1344          |
|                                              |                           | rising                   | glg1345          |
|                                              |                           | falling                  | glg1346          |
| ringgits                                     | ringgits<br>(Malaysia)    | flat                     | glg1348          |
|                                              |                           | rising                   | glg1349          |
|                                              |                           | falling                  | glg1350          |

**Galician audio (Sheet 20 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|-----------------------|--------------------------|------------------|
| sen                                          | sen<br>(Malaysia)     | flat                     | glg1352          |
|                                              |                       | rising                   | glg1353          |
|                                              |                       | falling                  | glg1354          |
| sens                                         | sens<br>(Malaysia)    | flat                     | glg1356          |
|                                              |                       | rising                   | glg1357          |
|                                              |                       | falling                  | glg1358          |
| baht                                         | baht<br>(Thailand)    | flat                     | glg1360          |
|                                              |                       | rising                   | glg1361          |
|                                              |                       | falling                  | glg1362          |
| bahts                                        | bahts<br>(Thailand)   | flat                     | glg1364          |
|                                              |                       | rising                   | glg1365          |
|                                              |                       | falling                  | glg1366          |
| satang                                       | satang<br>(Thailand)  | flat                     | glg1368          |
|                                              |                       | rising                   | glg1369          |
|                                              |                       | falling                  | glg1370          |
| satangs                                      | satangs<br>(Thailand) | flat                     | glg1372          |
|                                              |                       | rising                   | glg1373          |
|                                              |                       | falling                  | glg1374          |
| won                                          | won<br>(Korea)        | flat                     | glg1376          |
|                                              |                       | rising                   | glg1377          |
|                                              |                       | falling                  | glg1378          |
| wons                                         | wons<br>(Korea)       | flat                     | glg1380          |
|                                              |                       | rising                   | glg1381          |
|                                              |                       | falling                  | glg1382          |
| franc                                        | franc<br>(Belgium)    | flat                     | glg1384          |
|                                              |                       | rising                   | glg1385          |
|                                              |                       | falling                  | glg1386          |



**Galician audio (Sheet 21 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|------------------------|--------------------------|------------------|
| francs                                       | francs<br>(Belgium)    | flat                     | glg 1388         |
|                                              |                        | rising                   | glg1389          |
|                                              |                        | falling                  | glg1390          |
| centime                                      | centime<br>(Belgium)   | flat                     | glg1392          |
|                                              |                        | rising                   | glg1393          |
|                                              |                        | falling                  | glg1394          |
| centimes                                     | centimes<br>(Belgium)  | flat                     | glg1396          |
|                                              |                        | rising                   | glg1397          |
|                                              |                        | falling                  | glg1398          |
| dollar                                       | dollar<br>(Canada)     | flat                     | glg1400          |
|                                              |                        | rising                   | glg1401          |
|                                              |                        | falling                  | glg1402          |
| dollars                                      | dollars<br>(Canada)    | flat                     | glg1404          |
|                                              |                        | rising                   | glg1405          |
|                                              |                        | falling                  | glg1406          |
| cent                                         | cent<br>(Canada)       | flat                     | glg1408          |
|                                              |                        | rising                   | glg1409          |
|                                              |                        | falling                  | glg1410          |
| cents                                        | cents<br>(Canada)      | flat                     | glg1412          |
|                                              |                        | rising                   | glg1413          |
|                                              |                        | falling                  | glg1414          |
| dollar                                       | dollar<br>(Hong Kong)  | flat                     | glg1416          |
|                                              |                        | rising                   | glg1417          |
|                                              |                        | falling                  | glg1418          |
| dollars                                      | dollars<br>(Hong Kong) | flat                     | glg1420          |
|                                              |                        | rising                   | glg1421          |
|                                              |                        | falling                  | glg1422          |

**Galician audio (Sheet 22 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|------------------------|--------------------------|------------------|
| cent                                         | cent<br>(Hong Kong)    | flat                     | glg1424          |
|                                              |                        | rising                   | glg1425          |
|                                              |                        | falling                  | glg1426          |
| cents                                        | cents<br>(Hong Kong)   | flat                     | glg1428          |
|                                              |                        | rising                   | glg1429          |
|                                              |                        | falling                  | glg1430          |
| gok                                          | gok<br>(Hong Kong)     | flat                     | glg1488          |
|                                              |                        | rising                   | glg1489          |
|                                              |                        | falling                  | glg1490          |
| goks                                         | goks<br>(Hong Kong)    | flat                     | glg1492          |
|                                              |                        | rising                   | glg1493          |
|                                              |                        | falling                  | glg1494          |
| escudo                                       | escudo<br>(Portugal)   | flat                     | glg1432          |
|                                              |                        | rising                   | glg1433          |
|                                              |                        | falling                  | glg1434          |
| escudos                                      | escudos<br>(Portugal)  | flat                     | glg1436          |
|                                              |                        | rising                   | glg1437          |
|                                              |                        | falling                  | glg1438          |
| centavo                                      | centavo<br>(Portugal)  | flat                     | glg1440          |
|                                              |                        | rising                   | glg1441          |
|                                              |                        | falling                  | glg1442          |
| centavos                                     | centavos<br>(Portugal) | flat                     | glg1444          |
|                                              |                        | rising                   | glg1445          |
|                                              |                        | falling                  | glg1446          |
| yuan                                         | yuan<br>(China)        | flat                     | glg1448          |
|                                              |                        | rising                   | glg1449          |
|                                              |                        | falling                  | glg1450          |

**Galician audio (Sheet 23 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b>      | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|---------------------|--------------------------|------------------|
| yuans                                        | yuans<br>(China)    | flat                     | glg1452          |
|                                              |                     | rising                   | glg1453          |
|                                              |                     | falling                  | glg1454          |
| jiao                                         | jiao<br>(China)     | flat                     | glg1456          |
|                                              |                     | rising                   | glg1457          |
|                                              |                     | falling                  | glg1458          |
| jiaos                                        | jiaos<br>(China)    | flat                     | glg1460          |
|                                              |                     | rising                   | glg1461          |
|                                              |                     | falling                  | glg1462          |
| fen                                          | fen<br>(China)      | flat                     | glg1464          |
|                                              |                     | rising                   | glg1465          |
|                                              |                     | falling                  | glg1466          |
| fens                                         | fens<br>(China)     | flat                     | glg1468          |
|                                              |                     | rising                   | glg1469          |
|                                              |                     | falling                  | glg1470          |
| pound                                        | pound<br>(Ireland)  | flat                     | glg1472          |
|                                              |                     | rising                   | glg1473          |
|                                              |                     | falling                  | glg1474          |
| pounds                                       | pounds<br>(Ireland) | flat                     | glg1476          |
|                                              |                     | rising                   | glg1477          |
|                                              |                     | falling                  | glg1478          |
| penny                                        | penny<br>(Ireland)  | flat                     | glg1480          |
|                                              |                     | rising                   | glg1481          |
|                                              |                     | falling                  | glg1482          |
| pence                                        | pence<br>(Ireland)  | flat                     | glg1484          |
|                                              |                     | rising                   | glg1485          |
|                                              |                     | falling                  | glg1486          |

**Galician audio (Sheet 24 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b>      | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|---------------------|--------------------------|------------------|
| un                                           | one<br>(masc)       | flat                     | glg920           |
|                                              |                     | rising                   | glg921           |
|                                              |                     | falling                  | glg922           |
| unha                                         | one<br>(fem)        | flat                     | glg924           |
|                                              |                     | rising                   | glg925           |
|                                              |                     | falling                  | glg926           |
| duas                                         | two<br>(fem)        | flat                     | glg928           |
|                                              |                     | rising                   | glg929           |
|                                              |                     | falling                  | glg930           |
| vinteunha                                    | twenty-one<br>(fem) | flat                     | glg932           |
|                                              |                     | rising                   | glg933           |
|                                              |                     | falling                  | glg934           |
| vintiduas                                    | twenty-two<br>(fem) | flat                     | glg936           |
|                                              |                     | rising                   | glg937           |
|                                              |                     | falling                  | glg938           |
| duascentas                                   | 200<br>(fem)        | flat                     | glg940           |
|                                              |                     | rising                   | glg941           |
|                                              |                     | falling                  | glg942           |
| trescentas                                   | 300<br>(fem)        | flat                     | glg944           |
|                                              |                     | rising                   | glg945           |
|                                              |                     | falling                  | glg946           |
| catrocentas                                  | 400<br>(fem)        | flat                     | glg948           |
|                                              |                     | rising                   | glg949           |
|                                              |                     | falling                  | glg950           |
| cincocentas                                  | 500<br>(fem)        | flat                     | glg952           |
|                                              |                     | rising                   | glg953           |
|                                              |                     | falling                  | glg954           |

**Galician audio (Sheet 25 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b>  | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|-----------------|--------------------------|------------------|
| seiscentas                                   | 600<br>(fem)    | flat                     | glg956           |
|                                              |                 | rising                   | glg957           |
|                                              |                 | falling                  | glg958           |
| setecentas                                   | 700<br>(fem)    | flat                     | glg960           |
|                                              |                 | rising                   | glg961           |
|                                              |                 | falling                  | glg962           |
| oitocentas                                   | 800<br>(fem)    | flat                     | glg964           |
|                                              |                 | rising                   | glg965           |
|                                              |                 | falling                  | glg966           |
| novecentas                                   | 900<br>(fem)    | flat                     | glg968           |
|                                              |                 | rising                   | glg969           |
|                                              |                 | falling                  | glg970           |
| milions                                      | millions        | flat                     | glg972           |
|                                              |                 | rising                   | glg973           |
|                                              |                 | falling                  | glg974           |
| de                                           | of              | flat                     | glg980           |
|                                              |                 | rising                   | glg981           |
|                                              |                 | falling                  | glg982           |
| primeira                                     | first<br>(fem)  | flat                     | glg984           |
|                                              |                 | rising                   | glg985           |
|                                              |                 | falling                  | glg986           |
| segunda                                      | second<br>(fem) | flat                     | glg988           |
|                                              |                 | rising                   | glg989           |
|                                              |                 | falling                  | glg990           |
| terceira                                     | third<br>(fem)  | flat                     | glg992           |
|                                              |                 | rising                   | glg993           |
|                                              |                 | falling                  | glg994           |

**Galician audio (Sheet 26 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|----------------|--------------------------|------------------|
| cuarta                                       | fourth         | flat                     | glg996           |
|                                              | (fem)          | rising                   | glg997           |
|                                              |                | falling                  | glg998           |
| quinta                                       | fifth          | flat                     | glg1000          |
|                                              | (fem)          | rising                   | glg1001          |
|                                              |                | falling                  | glg1002          |
| sexta                                        | sixth          | flat                     | glg1004          |
|                                              | (fem)          | rising                   | glg1005          |
|                                              |                | falling                  | glg1006          |
| setima                                       | seventh        | flat                     | glg1008          |
|                                              | (fem)          | rising                   | glg1009          |
|                                              |                | falling                  | glg1010          |
| oitava                                       | eighth         | flat                     | glg1012          |
|                                              | (fem)          | rising                   | glg1013          |
|                                              |                | falling                  | glg1014          |
| novenas                                      | ninth          | flat                     | glg1016          |
|                                              | (fem)          | rising                   | glg1017          |
|                                              |                | falling                  | glg1018          |
| decima                                       | tenth          | flat                     | glg1020          |
|                                              | (fem)          | rising                   | glg1021          |
|                                              |                | falling                  | glg1022          |
| decimo primeira                              | eleventh       | flat                     | glg1024          |
|                                              | (fem)          | rising                   | glg1025          |
|                                              |                | falling                  | glg1026          |
| decimo segunda                               | twelfth        | flat                     | glg1028          |
|                                              | (fem)          | rising                   | glg1029          |
|                                              |                | falling                  | glg1030          |

**Galician audio (Sheet 27 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b>       | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|----------------------|--------------------------|------------------|
| decimo terceira                              | thirteenth<br>(fem)  | flat                     | glg1032          |
|                                              |                      | rising                   | glg1033          |
|                                              |                      | falling                  | glg1034          |
| decimo cuarta                                | fourteenth<br>(fem)  | flat                     | glg1036          |
|                                              |                      | rising                   | glg1037          |
|                                              |                      | falling                  | glg1038          |
| decimo quinta                                | fifteenth<br>(fem)   | flat                     | glg1040          |
|                                              |                      | rising                   | glg1041          |
|                                              |                      | falling                  | glg1042          |
| decimo sexta                                 | sixteenth<br>(fem)   | flat                     | glg1044          |
|                                              |                      | rising                   | glg1045          |
|                                              |                      | falling                  | glg1046          |
| decimo setima                                | seventeenth<br>(fem) | flat                     | glg1048          |
|                                              |                      | rising                   | glg1049          |
|                                              |                      | falling                  | glg1050          |
| decimo oitava                                | eighteenth<br>(fem)  | flat                     | glg1052          |
|                                              |                      | rising                   | glg1053          |
|                                              |                      | falling                  | glg1054          |
| decimo novena                                | nineteenth<br>(fem)  | flat                     | glg1056          |
|                                              |                      | rising                   | glg1057          |
|                                              |                      | falling                  | glg1058          |
| vixesima                                     | twentieth<br>(fem)   | flat                     | glg1060          |
|                                              |                      | rising                   | glg1061          |
|                                              |                      | falling                  | glg1062          |
| trixesima                                    | thirtieth<br>(fem)   | flat                     | glg1064          |
|                                              |                      | rising                   | glg1065          |
|                                              |                      | falling                  | glg1066          |

**Galician audio (Sheet 28 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b>           | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|--------------------------|--------------------------|------------------|
| cuadraxesima                                 | fortieth<br>(fem)        | flat                     | glg1068          |
|                                              |                          | rising                   | glg1069          |
|                                              |                          | falling                  | glg1070          |
| quincuaxesima                                | fiftieth<br>(fem)        | flat                     | glg1072          |
|                                              |                          | rising                   | glg1073          |
|                                              |                          | falling                  | glg1074          |
| sexaxesima                                   | sixtieth<br>(fem)        | flat                     | glg1076          |
|                                              |                          | rising                   | glg1077          |
|                                              |                          | falling                  | glg1078          |
| septuaxesima                                 | seventieth<br>(fem)      | flat                     | glg1080          |
|                                              |                          | rising                   | glg1081          |
|                                              |                          | falling                  | glg1082          |
| octaxesima                                   | eightieth<br>(fem)       | flat                     | glg1084          |
|                                              |                          | rising                   | glg1085          |
|                                              |                          | falling                  | glg1086          |
| nonaxesima                                   | ninetieth<br>(fem)       | flat                     | glg1088          |
|                                              |                          | rising                   | glg1089          |
|                                              |                          | falling                  | glg1090          |
| centesima                                    | one-hundredth<br>(fem)   | flat                     | glg1092          |
|                                              |                          | rising                   | glg1093          |
|                                              |                          | falling                  | glg1094          |
| primeiros                                    | first<br>(plural, masc)  | flat                     | glg1536          |
|                                              |                          | rising                   | glg1537          |
|                                              |                          | falling                  | glg1538          |
| segundos                                     | second<br>(plural, masc) | flat                     | glg1540          |
|                                              |                          | rising                   | glg1541          |
|                                              |                          | falling                  | glg1542          |



**Galician audio (Sheet 29 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|----------------|--------------------------|------------------|
| terceiros                                    | third          | flat                     | glg1544          |
|                                              | (plural, masc) | rising                   | glg1545          |
|                                              |                | falling                  | glg1546          |
| cuartos                                      | fourth         | flat                     | glg1548          |
|                                              | (plural, masc) | rising                   | glg1549          |
|                                              |                | falling                  | glg1550          |
| quintos                                      | fifth          | flat                     | glg1552          |
|                                              | (plural, masc) | rising                   | glg1553          |
|                                              |                | falling                  | glg1554          |
| sextos                                       | sixth          | flat                     | glg1556          |
|                                              | (plural, masc) | rising                   | glg1557          |
|                                              |                | falling                  | glg1558          |
| setíomos                                     | seventh        | flat                     | glg1560          |
|                                              | (plural, masc) | rising                   | glg1561          |
|                                              |                | falling                  | glg1562          |
| oitavos                                      | eighth         | flat                     | glg1564          |
|                                              | (plural, masc) | rising                   | glg1565          |
|                                              |                | falling                  | glg1566          |
| novenos                                      | ninth          | flat                     | glg1568          |
|                                              | (plural, masc) | rising                   | glg1569          |
|                                              |                | falling                  | glg1570          |
| decimos                                      | tenth          | flat                     | glg1572          |
|                                              | (plural, masc) | rising                   | glg1573          |
|                                              |                | falling                  | glg1574          |
| decimos primeiros                            | eleventh       | flat                     | glg1576          |
|                                              | (plural, masc) | rising                   | glg1577          |
|                                              |                | falling                  | glg1578          |

**Galician audio (Sheet 30 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b>                | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|-------------------------------|--------------------------|------------------|
| decimos segundos                             | twelfth<br>(plural, masc)     | flat                     | glg1580          |
|                                              |                               | rising                   | glg1581          |
|                                              |                               | falling                  | glg1582          |
| decimo terceiros                             | thirteenth<br>(plural, masc)  | flat                     | glg1584          |
|                                              |                               | rising                   | glg1585          |
|                                              |                               | falling                  | glg1586          |
| decimo cuartos                               | fourteenth<br>(plural, masc)  | flat                     | glg1588          |
|                                              |                               | rising                   | glg1589          |
|                                              |                               | falling                  | glg1590          |
| decimo quintos                               | fifteenth<br>(plural, masc)   | flat                     | glg1592          |
|                                              |                               | rising                   | glg1593          |
|                                              |                               | falling                  | glg1594          |
| decimo sextos                                | sixteenth<br>(plural, masc)   | flat                     | glg1596          |
|                                              |                               | rising                   | glg1597          |
|                                              |                               | falling                  | glg1598          |
| decimo setimos                               | seventeenth<br>(plural, masc) | flat                     | glg1600          |
|                                              |                               | rising                   | glg1601          |
|                                              |                               | falling                  | glg1602          |
| decimo oitavos                               | eighteenth<br>(plural, masc)  | flat                     | glg1604          |
|                                              |                               | rising                   | glg1605          |
|                                              |                               | falling                  | glg1606          |
| decimo novenos                               | nineteenth<br>(plural, masc)  | flat                     | glg1608          |
|                                              |                               | rising                   | glg1609          |
|                                              |                               | falling                  | glg1610          |
| vixesimos                                    | twentieth<br>(plural, masc)   | flat                     | glg1612          |
|                                              |                               | rising                   | glg1613          |
|                                              |                               | falling                  | glg1614          |

**Galician audio (Sheet 31 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b>                  | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|---------------------------------|--------------------------|------------------|
| trixesimos                                   | thirtieth<br>(plural, masc)     | flat                     | glg1616          |
|                                              |                                 | rising                   | glg1617          |
|                                              |                                 | falling                  | glg1618          |
| cuadraxesimos                                | fortieth<br>(plural, masc)      | flat                     | glg1620          |
|                                              |                                 | rising                   | glg1621          |
|                                              |                                 | falling                  | glg1622          |
| quincuaxesimos                               | fiftieth<br>(plural, masc)      | flat                     | glg1624          |
|                                              |                                 | rising                   | glg1625          |
|                                              |                                 | falling                  | glg1626          |
| sexaxesimos                                  | sixtieth<br>(plural, masc)      | flat                     | glg1628          |
|                                              |                                 | rising                   | glg1629          |
|                                              |                                 | falling                  | glg1630          |
| septuaxesimos                                | seventieth<br>(plural, masc)    | flat                     | glg1632          |
|                                              |                                 | rising                   | glg1633          |
|                                              |                                 | falling                  | glg1634          |
| octaxesimos                                  | eightieth<br>(plural, masc)     | flat                     | glg1636          |
|                                              |                                 | rising                   | glg1637          |
|                                              |                                 | falling                  | glg1638          |
| nonaxesimos                                  | ninetieth<br>(plural, masc)     | flat                     | glg1640          |
|                                              |                                 | rising                   | glg1641          |
|                                              |                                 | falling                  | glg1642          |
| centesimos                                   | one-hundredth<br>(plural, masc) | flat                     | glg1644          |
|                                              |                                 | rising                   | glg1645          |
|                                              |                                 | falling                  | glg1646          |
| primeiras                                    | first<br>(fem, plural)          | flat                     | glg1728          |
|                                              |                                 | rising                   | glg1729          |
|                                              |                                 | falling                  | glg1730          |

**Galician audio (Sheet 32 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b>           | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|--------------------------|--------------------------|------------------|
| segundas                                     | second<br>(fem, plural)  | flat                     | glg1732          |
|                                              |                          | rising                   | glg1733          |
|                                              |                          | falling                  | glg1734          |
| terceiras                                    | third<br>(fem, plural)   | flat                     | glg1736          |
|                                              |                          | rising                   | glg1737          |
|                                              |                          | falling                  | glg1738          |
| cuartas                                      | fourth<br>(fem, plural)  | flat                     | glg 1740         |
|                                              |                          | rising                   | glg1741          |
|                                              |                          | falling                  | glg1742          |
| quintas                                      | fifth<br>(fem, plural)   | flat                     | glg1744          |
|                                              |                          | rising                   | glg1745          |
|                                              |                          | falling                  | glg1746          |
| sextas                                       | sixth<br>(fem, plural)   | flat                     | glg1748          |
|                                              |                          | rising                   | glg1749          |
|                                              |                          | falling                  | glg1750          |
| setimas                                      | seventh<br>(fem, plural) | flat                     | glg1752          |
|                                              |                          | rising                   | glg1753          |
|                                              |                          | falling                  | glg1754          |
| oitavas                                      | eighth<br>(fem, plural)  | flat                     | glg1756          |
|                                              |                          | rising                   | glg1757          |
|                                              |                          | falling                  | glg1758          |
| novenas                                      | ninth<br>(fem, plural)   | flat                     | glg1760          |
|                                              |                          | rising                   | glg1761          |
|                                              |                          | falling                  | glg1762          |
| decimas                                      | tenth<br>(fem, plural)   | flat                     | glg1764          |
|                                              |                          | rising                   | glg1765          |
|                                              |                          | falling                  | glg1766          |

**Galician audio (Sheet 33 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b>               | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|------------------------------|--------------------------|------------------|
| decimo primeiras                             | eleventh<br>(fem, plural)    | flat                     | glg1768          |
|                                              |                              | rising                   | glg1769          |
|                                              |                              | falling                  | glg1770          |
| decimo segundas                              | twelfth<br>(fem, plural)     | flat                     | glg1772          |
|                                              |                              | rising                   | glg1773          |
|                                              |                              | falling                  | glg1774          |
| decimo terceiras                             | thirteenth<br>(fem, plural)  | flat                     | glg1776          |
|                                              |                              | rising                   | glg1777          |
|                                              |                              | falling                  | glg1778          |
| decimo cuartas                               | fourteenth<br>(fem, plural)  | flat                     | glg1780          |
|                                              |                              | rising                   | glg1781          |
|                                              |                              | falling                  | glg1782          |
| decimo quintas                               | fifteenth<br>(fem, plural)   | flat                     | glg1784          |
|                                              |                              | rising                   | glg1785          |
|                                              |                              | falling                  | glg1786          |
| decimo sextas                                | sixteenth<br>(fem, plural)   | flat                     | glg1788          |
|                                              |                              | rising                   | glg1789          |
|                                              |                              | falling                  | glg1790          |
| decimo setimas                               | seventeenth<br>(fem, plural) | flat                     | glg1792          |
|                                              |                              | rising                   | glg1793          |
|                                              |                              | falling                  | glg1794          |
| decimo oitavas                               | eighteenth<br>(fem, plural)  | flat                     | glg1796          |
|                                              |                              | rising                   | glg1797          |
|                                              |                              | falling                  | glg1798          |
| decimo novenas                               | nineteenth<br>(fem, plural)  | flat                     | glg1800          |
|                                              |                              | rising                   | glg1801          |
|                                              |                              | falling                  | glg1802          |

**Galician audio (Sheet 34 of 34)**

| <b>Galician phrase or English equivalent</b> | <b>English</b>                 | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|--------------------------------|--------------------------|------------------|
| vixesimas                                    | twentieth<br>(fem, plural)     | flat                     | glg1804          |
|                                              |                                | rising                   | glg1805          |
|                                              |                                | falling                  | glg1806          |
| trixesimas                                   | thirtieth<br>(fem, plural)     | flat                     | glg1808          |
|                                              |                                | rising                   | glg1809          |
|                                              |                                | falling                  | glg1810          |
| cuadraxesimas                                | fortieth<br>(fem, plural)      | flat                     | glg1812          |
|                                              |                                | rising                   | glg1813          |
|                                              |                                | falling                  | glg1814          |
| quincuaxesimas                               | fiftieth<br>(fem, plural)      | flat                     | glg1816          |
|                                              |                                | rising                   | glg1817          |
|                                              |                                | falling                  | glg1818          |
| sexaxesimas                                  | sixtieth<br>(fem, plural)      | flat                     | glg1820          |
|                                              |                                | rising                   | glg1821          |
|                                              |                                | falling                  | glg1822          |
| septuaxesimas                                | seventieth<br>(fem, plural)    | flat                     | glg1824          |
|                                              |                                | rising                   | glg1825          |
|                                              |                                | falling                  | glg1826          |
| octaxesimas                                  | eightieth<br>(fem, plural)     | flat                     | glg1828          |
|                                              |                                | rising                   | glg1829          |
|                                              |                                | falling                  | glg1830          |
| nonaxesimas                                  | ninetieth<br>(fem, plural)     | flat                     | glg1832          |
|                                              |                                | rising                   | glg1833          |
|                                              |                                | falling                  | glg1834          |
| centesimas                                   | one-hundredth<br>(fem, plural) | flat                     | glg1836          |
|                                              |                                | rising                   | glg1837          |
|                                              |                                | falling                  | glg1838          |

## German audio files

**Note 1:** Audio file names deu508–deu610 are optional. Only record the files if the user provisions the string functionality on the system.

**Note 2:** Only record audio file names deu1200–deu1214 and deu1232–deu1278 if the user provisions currency on the system.

### German audio (Sheet 1 of 27)

| German phrase or English equivalent | English                     | Phrase intonation | File name |
|-------------------------------------|-----------------------------|-------------------|-----------|
| null                                | zero                        | flat              | deu0      |
|                                     |                             | rising            | deu1      |
|                                     |                             | falling           | deu2      |
| eins                                | one<br>(neutral - counting) | flat              | deu8      |
|                                     |                             | rising            | deu9      |
|                                     |                             | falling           | deu10     |
| zwei                                | two                         | flat              | deu12     |
|                                     |                             | rising            | deu13     |
|                                     |                             | falling           | deu14     |
| drei                                | three                       | flat              | deu16     |
|                                     |                             | rising            | deu17     |
|                                     |                             | falling           | deu18     |
| vier                                | four                        | flat              | deu20     |
|                                     |                             | rising            | deu21     |
|                                     |                             | falling           | deu22     |
| fuenf                               | five                        | flat              | deu24     |
|                                     |                             | rising            | deu25     |
|                                     |                             | falling           | deu26     |
| sechs                               | six                         | flat              | deu28     |
|                                     |                             | rising            | deu29     |
|                                     |                             | falling           | deu30     |

**German audio (Sheet 2 of 27)**

| <b>German phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| sieben                                     | seven          | flat                     | deu32            |
|                                            |                | rising                   | deu33            |
|                                            |                | falling                  | deu34            |
| acht                                       | eight          | flat                     | deu36            |
|                                            |                | rising                   | deu37            |
|                                            |                | falling                  | deu38            |
| neun                                       | nine           | flat                     | deu40            |
|                                            |                | rising                   | deu41            |
|                                            |                | falling                  | deu42            |
| zehn                                       | ten            | flat                     | deu56            |
|                                            |                | rising                   | deu57            |
|                                            |                | falling                  | deu58            |
| elf                                        | eleven         | flat                     | deu60            |
|                                            |                | rising                   | deu61            |
|                                            |                | falling                  | deu62            |
| zwoelf                                     | twelve         | flat                     | deu64            |
|                                            |                | rising                   | deu65            |
|                                            |                | falling                  | deu66            |
| dreizehn                                   | thirteen       | flat                     | deu68            |
|                                            |                | rising                   | deu69            |
|                                            |                | falling                  | deu70            |
| vierzehn                                   | fourteen       | flat                     | deu72            |
|                                            |                | rising                   | deu73            |
|                                            |                | falling                  | deu74            |
| fuenfzehn                                  | fifteen        | flat                     | deu76            |
|                                            |                | rising                   | deu77            |
|                                            |                | falling                  | deu78            |



**German audio (Sheet 3 of 27)**

| <b>German phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| sechszehn                                  | sixteen        | flat                     | deu80            |
|                                            |                | rising                   | deu81            |
|                                            |                | falling                  | deu82            |
| siebzehn                                   | seventeen      | flat                     | deu84            |
|                                            |                | rising                   | deu85            |
|                                            |                | falling                  | deu86            |
| achtzehn                                   | eighteen       | flat                     | deu88            |
|                                            |                | rising                   | deu89            |
|                                            |                | falling                  | deu90            |
| neunzehn                                   | nineteen       | flat                     | deu92            |
|                                            |                | rising                   | deu93            |
|                                            |                | falling                  | deu94            |
| zwanzig                                    | twenty         | flat                     | deu96            |
|                                            |                | rising                   | deu97            |
|                                            |                | falling                  | deu98            |
| dreizig                                    | thirty         | flat                     | deu100           |
|                                            |                | rising                   | deu101           |
|                                            |                | falling                  | deu102           |
| vierzig                                    | forty          | flat                     | deu104           |
|                                            |                | rising                   | deu105           |
|                                            |                | falling                  | deu106           |
| fuenfzig                                   | fifty          | flat                     | deu108           |
|                                            |                | rising                   | deu109           |
|                                            |                | falling                  | deu110           |
| sechzig                                    | sixty          | flat                     | deu112           |
|                                            |                | rising                   | deu113           |
|                                            |                | falling                  | deu114           |

**German audio (Sheet 4 of 27)**

| <b>German phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| siebzig                                    | seventy        | flat                     | deu116           |
|                                            |                | rising                   | deu117           |
|                                            |                | falling                  | deu118           |
| achtzig                                    | eighty         | flat                     | deu120           |
|                                            |                | rising                   | deu121           |
|                                            |                | falling                  | deu122           |
| neunzig                                    | ninety         | flat                     | deu124           |
|                                            |                | rising                   | deu125           |
|                                            |                | falling                  | deu126           |
| einhundert                                 | one-hundred    | flat                     | deu132           |
|                                            |                | rising                   | deu133           |
|                                            |                | falling                  | deu134           |
| zweihundert                                | two-hundred    | flat                     | deu136           |
|                                            |                | rising                   | deu137           |
|                                            |                | falling                  | deu138           |
| dreihundert                                | three-hundred  | flat                     | deu140           |
|                                            |                | rising                   | deu141           |
|                                            |                | falling                  | deu142           |
| vierhundert                                | four-hundred   | flat                     | deu144           |
|                                            |                | rising                   | deu145           |
|                                            |                | falling                  | deu146           |
| fuenfhundert                               | five-hundred   | flat                     | deu148           |
|                                            |                | rising                   | deu149           |
|                                            |                | falling                  | deu150           |
| sechshundert                               | six-hundred    | flat                     | deu152           |
|                                            |                | rising                   | deu153           |
|                                            |                | falling                  | deu154           |

**German audio (Sheet 5 of 27)**

| <b>German phrase or English equivalent</b> | <b>English</b>     | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|--------------------|--------------------------|------------------|
| siebenhundert                              | seven-hundred      | flat                     | deu156           |
|                                            |                    | rising                   | deu157           |
|                                            |                    | falling                  | deu158           |
| achthundert                                | eight-hundred      | flat                     | deu160           |
|                                            |                    | rising                   | deu161           |
|                                            |                    | falling                  | deu162           |
| neunhundert                                | nine-hundred       | flat                     | deu164           |
|                                            |                    | rising                   | deu165           |
|                                            |                    | falling                  | deu166           |
| ein                                        | one<br>(masculine) | flat                     | deu1500          |
|                                            |                    | rising                   | deu1501          |
|                                            |                    | falling                  | deu1502          |
| eine                                       | one<br>(masculine) | flat                     | deu1504          |
|                                            |                    | rising                   | deu1505          |
|                                            |                    | falling                  | deu1506          |
| tausend                                    | thousand           | flat                     | deu496           |
|                                            |                    | rising                   | deu497           |
|                                            |                    | falling                  | deu498           |
| eintausend                                 | one-thousand       | flat                     | deu172           |
|                                            |                    | rising                   | deu173           |
|                                            |                    | falling                  | deu174           |
| zweitausend                                | two-thousand       | flat                     | deu176           |
|                                            |                    | rising                   | deu177           |
|                                            |                    | falling                  | deu178           |
| dreitausend                                | three-thousand     | flat                     | deu180           |
|                                            |                    | rising                   | deu181           |
|                                            |                    | falling                  | deu182           |

**German audio (Sheet 6 of 27)**

| <b>German phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|-----------------------|--------------------------|------------------|
| viertausend                                | four-thousand         | flat                     | deu184           |
|                                            |                       | rising                   | deu185           |
|                                            |                       | falling                  | deu186           |
| fuenftausend                               | five-thousand         | flat                     | deu188           |
|                                            |                       | rising                   | deu189           |
|                                            |                       | falling                  | deu190           |
| sechstausend                               | six-thousand          | flat                     | deu192           |
|                                            |                       | rising                   | deu193           |
|                                            |                       | falling                  | deu194           |
| siebentausend                              | seven-thousand        | flat                     | deu196           |
|                                            |                       | rising                   | deu197           |
|                                            |                       | falling                  | deu198           |
| achttausend                                | eight-thousand        | flat                     | deu200           |
|                                            |                       | rising                   | deu201           |
|                                            |                       | falling                  | deu202           |
| neuntausend                                | nine-thousand         | flat                     | deu204           |
|                                            |                       | rising                   | deu205           |
|                                            |                       | falling                  | deu206           |
| Million                                    | million<br>(singular) | flat                     | deu500           |
|                                            |                       | rising                   | deu501           |
|                                            |                       | falling                  | deu502           |
| Millionen                                  | million<br>(plural)   | flat                     | deu1544          |
|                                            |                       | rising                   | deu1545          |
|                                            |                       | falling                  | deu1546          |
| Billion                                    | billion               | flat                     | deu504           |
|                                            |                       | rising                   | deu505           |
|                                            |                       | falling                  | deu506           |

**German audio (Sheet 7 of 27)**

| <b>German phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| "ein und"                                  | "1 and"        | flat                     | deu1508          |
|                                            |                | rising                   | deu1509          |
|                                            |                | falling                  | deu1510          |
| "zwei und"                                 | "2 and"        | flat                     | deu1512          |
|                                            |                | rising                   | deu1513          |
|                                            |                | falling                  | deu1514          |
| "drei und"                                 | "3 and"        | flat                     | deu1516          |
|                                            |                | rising                   | deu1517          |
|                                            |                | falling                  | deu1518          |
| "vier und"                                 | "4 and"        | flat                     | deu1520          |
|                                            |                | rising                   | deu1521          |
|                                            |                | falling                  | deu1522          |
| "fuenf und"                                | "5 and"        | flat                     | deu1524          |
|                                            |                | rising                   | deu1525          |
|                                            |                | falling                  | deu1526          |
| "sechs und"                                | "6 and"        | flat                     | deu1528          |
|                                            |                | rising                   | deu1529          |
|                                            |                | falling                  | deu1530          |
| "sieben und"                               | "7 and"        | flat                     | deu1532          |
|                                            |                | rising                   | deu1533          |
|                                            |                | falling                  | deu1534          |
| "acht und"                                 | "8 and"        | flat                     | deu1536          |
|                                            |                | rising                   | deu1537          |
|                                            |                | falling                  | deu1538          |
| "neun und"                                 | "9 and"        | flat                     | deu1540          |
|                                            |                | rising                   | deu1541          |
|                                            |                | falling                  | deu1542          |

**German audio (Sheet 8 of 27)**

| <b>German phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| optional                                   | a              | flat                     | deu508           |
|                                            |                | rising                   | deu509           |
|                                            |                | falling                  | deu510           |
| optional                                   | b              | flat                     | deu512           |
|                                            |                | rising                   | deu513           |
|                                            |                | falling                  | deu514           |
| optional                                   | c              | flat                     | deu516           |
|                                            |                | rising                   | deu517           |
|                                            |                | falling                  | deu518           |
| optional                                   | d              | flat                     | deu520           |
|                                            |                | rising                   | deu521           |
|                                            |                | falling                  | deu522           |
| optional                                   | e              | flat                     | deu524           |
|                                            |                | rising                   | deu525           |
|                                            |                | falling                  | deu526           |
| optional                                   | f              | flat                     | deu528           |
|                                            |                | rising                   | deu529           |
|                                            |                | falling                  | deu530           |
| optional                                   | g              | flat                     | deu532           |
|                                            |                | rising                   | deu533           |
|                                            |                | falling                  | deu534           |
| optional                                   | h              | flat                     | deu536           |
|                                            |                | rising                   | deu537           |
|                                            |                | falling                  | deu538           |
| optional                                   | i              | flat                     | deu540           |
|                                            |                | rising                   | deu541           |
|                                            |                | falling                  | deu542           |

**German audio (Sheet 9 of 27)**

| <b>German phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| optional                                   | j              | flat                     | its544           |
|                                            |                | rising                   | deu545           |
|                                            |                | falling                  | deu546           |
| optional                                   | k              | flat                     | deu548           |
|                                            |                | rising                   | deu549           |
|                                            |                | falling                  | deu550           |
| optional                                   | l              | flat                     | deu552           |
|                                            |                | rising                   | deu553           |
|                                            |                | falling                  | deu554           |
| optional                                   | m              | flat                     | deu556           |
|                                            |                | rising                   | deu557           |
|                                            |                | falling                  | deu558           |
| optional                                   | n              | flat                     | deu560           |
|                                            |                | rising                   | deu561           |
|                                            |                | falling                  | deu562           |
| optional                                   | o              | flat                     | deu564           |
|                                            |                | rising                   | deu565           |
|                                            |                | falling                  | deu566           |
| optional                                   | p              | flat                     | deu568           |
|                                            |                | rising                   | deu569           |
|                                            |                | falling                  | deu570           |
| optional                                   | q              | flat                     | deu572           |
|                                            |                | rising                   | deu573           |
|                                            |                | falling                  | deu574           |
| optional                                   | r              | flat                     | deu576           |
|                                            |                | rising                   | deu577           |
|                                            |                | falling                  | deu578           |

**German audio (Sheet 10 of 27)**

| <b>German phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| optional                                   | s              | flat                     | deu580           |
|                                            |                | rising                   | deu581           |
|                                            |                | falling                  | deu582           |
| optional                                   | t              | flat                     | deu584           |
|                                            |                | rising                   | deu585           |
|                                            |                | falling                  | deu586           |
| optional                                   | u              | flat                     | deu588           |
|                                            |                | rising                   | deu589           |
|                                            |                | falling                  | deu590           |
| optional                                   | v              | flat                     | deu592           |
|                                            |                | rising                   | deu593           |
|                                            |                | falling                  | deu594           |
| optional                                   | w              | flat                     | deu596           |
|                                            |                | rising                   | deu597           |
|                                            |                | falling                  | deu598           |
| optional                                   | x              | flat                     | deu600           |
|                                            |                | rising                   | deu601           |
|                                            |                | falling                  | deu602           |
| optional                                   | y              | flat                     | deu604           |
|                                            |                | rising                   | deu605           |
|                                            |                | falling                  | deu606           |
| optional                                   | z              | flat                     | deu608           |
|                                            |                | rising                   | deu609           |
|                                            |                | falling                  | deu610           |
| minus                                      | negative       | flat                     | deu616           |
|                                            |                | rising                   | deu617           |
|                                            |                | falling                  | deu618           |



**German audio (Sheet 11 of 27)**

| <b>German phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| und                                        | and            | flat                     | deu620           |
|                                            |                | rising                   | deu621           |
|                                            |                | falling                  | deu622           |
| Stunde                                     | hour           | flat                     | deu624           |
|                                            |                | rising                   | deu625           |
|                                            |                | falling                  | deu626           |
| Stunden                                    | hours          | flat                     | deu628           |
|                                            |                | rising                   | deu629           |
|                                            |                | falling                  | deu630           |
| Minute                                     | minute         | flat                     | deu632           |
|                                            |                | rising                   | deu633           |
|                                            |                | falling                  | deu634           |
| Minuten                                    | minutes        | flat                     | deu636           |
|                                            |                | rising                   | deu637           |
|                                            |                | falling                  | deu638           |
| Sekunde                                    | second         | flat                     | deu640           |
|                                            |                | rising                   | deu641           |
|                                            |                | falling                  | deu642           |
| Sekunden                                   | seconds        | flat                     | deu644           |
|                                            |                | rising                   | deu645           |
|                                            |                | falling                  | deu646           |
| Uhr                                        | clock          | flat                     | deu1584          |
|                                            |                | rising                   | deu1585          |
|                                            |                | falling                  | deu1586          |
| Null                                       | null           | flat                     | deu1588          |
|                                            |                | rising                   | deu1589          |
|                                            |                | falling                  | deu1590          |

**German audio (Sheet 12 of 27)**

| <b>German phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| Januar                                     | January        | flat                     | deu648           |
|                                            |                | rising                   | deu649           |
|                                            |                | falling                  | deu650           |
| Februar                                    | February       | flat                     | deu652           |
|                                            |                | rising                   | deu653           |
|                                            |                | falling                  | deu654           |
| Maerz                                      | March          | flat                     | deu656           |
|                                            |                | rising                   | deu657           |
|                                            |                | falling                  | deu658           |
| April                                      | April          | flat                     | deu660           |
|                                            |                | rising                   | deu661           |
|                                            |                | falling                  | deu662           |
| Mai                                        | May            | flat                     | deu664           |
|                                            |                | rising                   | deu665           |
|                                            |                | falling                  | deu666           |
| Juni                                       | June           | flat                     | deu668           |
|                                            |                | rising                   | deu669           |
|                                            |                | falling                  | deu670           |
| Juli                                       | July           | flat                     | deu672           |
|                                            |                | rising                   | deu673           |
|                                            |                | falling                  | deu674           |
| August                                     | August         | flat                     | deu676           |
|                                            |                | rising                   | deu677           |
|                                            |                | falling                  | deu678           |
| September                                  | September      | flat                     | deu680           |
|                                            |                | rising                   | deu681           |
|                                            |                | falling                  | deu682           |

**German audio (Sheet 13 of 27)**

| <b>German phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| Oktober                                    | October        | flat                     | deu684           |
|                                            |                | rising                   | deu685           |
|                                            |                | falling                  | deu686           |
| November                                   | November       | flat                     | deu688           |
|                                            |                | rising                   | deu689           |
|                                            |                | falling                  | deu690           |
| Dezember                                   | December       | flat                     | deu692           |
|                                            |                | rising                   | deu693           |
|                                            |                | falling                  | deu694           |
| Sonntag                                    | Sunday         | flat                     | deu696           |
|                                            |                | rising                   | deu697           |
|                                            |                | falling                  | deu698           |
| Montag                                     | Monday         | flat                     | deu700           |
|                                            |                | rising                   | deu701           |
|                                            |                | falling                  | deu702           |
| Dienstag                                   | Tuesday        | flat                     | deu704           |
|                                            |                | rising                   | deu705           |
|                                            |                | falling                  | deu706           |
| Mittwoch                                   | Wednesday      | flat                     | deu708           |
|                                            |                | rising                   | deu709           |
|                                            |                | falling                  | deu710           |
| Donnerstag                                 | Thursday       | flat                     | deu712           |
|                                            |                | rising                   | deu713           |
|                                            |                | falling                  | deu714           |
| Freitag                                    | Friday         | flat                     | deu716           |
|                                            |                | rising                   | deu717           |
|                                            |                | falling                  | deu718           |

**German audio (Sheet 14 of 27)**

| <b>German phrase or English equivalent</b> | <b>English</b>  | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|-----------------|--------------------------|------------------|
| Samstag                                    | Saturday        | flat                     | deu720           |
|                                            |                 | rising                   | deu721           |
|                                            |                 | falling                  | deu722           |
| erste                                      | first<br>(masc) | flat                     | deu728           |
|                                            |                 | rising                   | deu729           |
|                                            |                 | falling                  | deu730           |
| zweite                                     | second          | flat                     | deu732           |
|                                            |                 | rising                   | deu733           |
|                                            |                 | falling                  | deu734           |
| dritte                                     | third           | flat                     | deu736           |
|                                            |                 | rising                   | deu737           |
|                                            |                 | falling                  | deu738           |
| vierte                                     | fourth          | flat                     | deu740           |
|                                            |                 | rising                   | deu741           |
|                                            |                 | falling                  | deu742           |
| fuenfte                                    | fifth           | flat                     | deu744           |
|                                            |                 | rising                   | deu745           |
|                                            |                 | falling                  | deu746           |
| sechste                                    | sixth           | flat                     | deu748           |
|                                            |                 | rising                   | deu749           |
|                                            |                 | falling                  | deu750           |
| siebte                                     | seventh         | flat                     | deu752           |
|                                            |                 | rising                   | deu753           |
|                                            |                 | falling                  | deu754           |
| achte                                      | eighth          | flat                     | deu756           |
|                                            |                 | rising                   | deu757           |
|                                            |                 | falling                  | deu758           |

**German audio (Sheet 15 of 27)**

| <b>German phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| neunte                                     | ninth          | flat                     | deu760           |
|                                            |                | rising                   | deu761           |
|                                            |                | falling                  | deu762           |
| zehnte                                     | tenth          | flat                     | deu764           |
|                                            |                | rising                   | deu765           |
|                                            |                | falling                  | deu766           |
| elfte                                      | eleventh       | flat                     | deu768           |
|                                            |                | rising                   | deu769           |
|                                            |                | falling                  | deu770           |
| zwoelfte                                   | twelfth        | flat                     | deu772           |
|                                            |                | rising                   | deu773           |
|                                            |                | falling                  | deu774           |
| dreizehnte                                 | thirteenth     | flat                     | deu776           |
|                                            |                | rising                   | deu777           |
|                                            |                | falling                  | deu778           |
| vierzehnte                                 | fourteenth     | flat                     | deu780           |
|                                            |                | rising                   | deu781           |
|                                            |                | falling                  | deu782           |
| fuenfzehnt                                 | fifteenth      | flat                     | deu784           |
|                                            |                | rising                   | deu785           |
|                                            |                | falling                  | deu786           |
| sechszehnte                                | sixteenth      | flat                     | deu788           |
|                                            |                | rising                   | deu789           |
|                                            |                | falling                  | deu790           |
| siebzehnte                                 | seventeenth    | flat                     | deu792           |
|                                            |                | rising                   | deu793           |
|                                            |                | falling                  | deu794           |

**German audio (Sheet 16 of 27)**

| <b>German phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| achtzehnte                                 | eighteenth     | flat                     | deu796           |
|                                            |                | rising                   | deu797           |
|                                            |                | falling                  | deu798           |
| neunzehnte                                 | nineteenth     | flat                     | deu800           |
|                                            |                | rising                   | deu801           |
|                                            |                | falling                  | deu802           |
| zwanzigste                                 | twentieth      | flat                     | deu804           |
|                                            |                | rising                   | deu805           |
|                                            |                | falling                  | deu806           |
| dreissigste                                | thirtieth      | flat                     | deu808           |
|                                            |                | rising                   | deu809           |
|                                            |                | falling                  | deu810           |
| vierzigste                                 | fortieth       | flat                     | deu812           |
|                                            |                | rising                   | deu813           |
|                                            |                | falling                  | deu814           |
| fuenfzigste                                | fiftieth       | flat                     | deu816           |
|                                            |                | rising                   | deu817           |
|                                            |                | falling                  | deu818           |
| sechzigste                                 | sixtieth       | flat                     | deu820           |
|                                            |                | rising                   | deu821           |
|                                            |                | falling                  | deu822           |
| siebzigste                                 | seventieth     | flat                     | deu824           |
|                                            |                | rising                   | deu825           |
|                                            |                | falling                  | deu826           |
| achtzigste                                 | eightieth      | flat                     | deu828           |
|                                            |                | rising                   | deu829           |
|                                            |                | falling                  | deu830           |

**German audio (Sheet 17 of 27)**

| <b>German phrase or English equivalent</b> | <b>English</b>  | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|-----------------|--------------------------|------------------|
| neunzigste                                 | ninetieth       | flat                     | deu832           |
|                                            |                 | rising                   | deu833           |
|                                            |                 | falling                  | deu834           |
| einhundertste                              | one-hundredth   | flat                     | deu836           |
|                                            |                 | rising                   | deu837           |
|                                            |                 | falling                  | deu838           |
| zweihundertste                             | two-hundredth   | flat                     | deu840           |
|                                            |                 | rising                   | deu841           |
|                                            |                 | falling                  | deu842           |
| dreihundertste                             | three-hundredth | flat                     | deu844           |
|                                            |                 | rising                   | deu845           |
|                                            |                 | falling                  | deu846           |
| vierhundertste                             | four-hundredth  | flat                     | deu848           |
|                                            |                 | rising                   | deu849           |
|                                            |                 | falling                  | deu850           |
| fuenfhundertste                            | five-hundredth  | flat                     | deu852           |
|                                            |                 | rising                   | deu853           |
|                                            |                 | falling                  | deu854           |
| sechshundertste                            | six-hundredth   | flat                     | deu856           |
|                                            |                 | rising                   | deu857           |
|                                            |                 | falling                  | deu858           |
| siebenhundertste                           | seven-hundredth | flat                     | deu860           |
|                                            |                 | rising                   | deu861           |
|                                            |                 | falling                  | deu862           |
| achthundertste                             | eight-hundredth | flat                     | deu864           |
|                                            |                 | rising                   | deu865           |
|                                            |                 | falling                  | deu866           |

**German audio (Sheet 18 of 27)**

| <b>German phrase or English equivalent</b> | <b>English</b>   | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|------------------|--------------------------|------------------|
| neunhundertste                             | nine-hundredth   | flat                     | deu868           |
|                                            |                  | rising                   | deu869           |
|                                            |                  | falling                  | deu870           |
| tausendste                                 | thousandth       | flat                     | deu872           |
|                                            |                  | rising                   | deu873           |
|                                            |                  | falling                  | deu874           |
| eintausendste                              | one-thousandth   | flat                     | deu1548          |
|                                            |                  | rising                   | deu1549          |
|                                            |                  | falling                  | deu1550          |
| zweitausendste                             | two-thousandth   | flat                     | deu1552          |
|                                            |                  | rising                   | deu1553          |
|                                            |                  | falling                  | deu1554          |
| dreitausendste                             | three-thousandth | flat                     | deu1556          |
|                                            |                  | rising                   | deu1557          |
|                                            |                  | falling                  | deu1558          |
| viertausendste                             | four-thousandth  | flat                     | deu1560          |
|                                            |                  | rising                   | deu1561          |
|                                            |                  | falling                  | deu1562          |
| fuenftausendste                            | five-thousandth  | flat                     | deu1564          |
|                                            |                  | rising                   | deu1565          |
|                                            |                  | falling                  | deu1566          |
| sechstausendste                            | six-thousandth   | flat                     | deu1568          |
|                                            |                  | rising                   | deu1569          |
|                                            |                  | falling                  | deu1570          |
| siebentausendste                           | seven-thousandth | flat                     | deu1572          |
|                                            |                  | rising                   | deu1573          |
|                                            |                  | falling                  | deu1574          |



**German audio (Sheet 19 of 27)**

| <b>German phrase or English equivalent</b> | <b>English</b>    | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|-------------------|--------------------------|------------------|
| achttausendste                             | eight-thousandth  | flat                     | deu1576          |
|                                            |                   | rising                   | deu1577          |
|                                            |                   | falling                  | deu1578          |
| neuntausendste                             | nine-thousandth   | flat                     | deu1580          |
|                                            |                   | rising                   | deu1581          |
|                                            |                   | falling                  | deu1582          |
| millionste                                 | millionth         | flat                     | deu880           |
|                                            |                   | rising                   | deu881           |
|                                            |                   | falling                  | deu882           |
| billionste                                 | billionth         | flat                     | deu888           |
|                                            |                   | rising                   | deu889           |
|                                            |                   | falling                  | deu890           |
| Nummer-Zeichen                             | pound sign<br>(#) | flat                     | deu896           |
|                                            |                   | rising                   | deu897           |
|                                            |                   | falling                  | deu898           |
| Stern                                      | asterisk<br>(*)   | flat                     | deu900           |
|                                            |                   | rising                   | deu901           |
|                                            |                   | falling                  | deu902           |
| Dollar                                     | dollar<br>(US)    | flat                     | deu1200          |
|                                            |                   | rising                   | deu1201          |
|                                            |                   | falling                  | deu1202          |
| Dollar                                     | dollars<br>(US)   | flat                     | deu1204          |
|                                            |                   | rising                   | deu1205          |
|                                            |                   | falling                  | deu1206          |
| Cent                                       | cent<br>(US)      | flat                     | deu1208          |
|                                            |                   | rising                   | deu1209          |
|                                            |                   | falling                  | deu1210          |

**German audio (Sheet 20 of 27)**

| <b>German phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|-----------------------|--------------------------|------------------|
| Cents                                      | cents<br>(US)         | flat                     | deu1212          |
|                                            |                       | rising                   | deu1213          |
|                                            |                       | falling                  | deu1214          |
| Mark                                       | mark<br>(Germany)     | flat                     | deu1216          |
|                                            |                       | rising                   | deu1217          |
|                                            |                       | falling                  | deu1218          |
| Mark                                       | marks<br>(Germany)    | flat                     | deu1220          |
|                                            |                       | rising                   | deu1221          |
|                                            |                       | falling                  | deu1222          |
| Pfennig                                    | pfennig<br>(Germany)  | flat                     | deu1224          |
|                                            |                       | rising                   | deu1225          |
|                                            |                       | falling                  | deu1226          |
| Pfennige                                   | pfennigs<br>(Germany) | flat                     | deu1228          |
|                                            |                       | rising                   | deu1229          |
|                                            |                       | falling                  | deu1230          |
| Yen                                        | yen<br>(Japan)        | flat                     | deu1232          |
|                                            |                       | rising                   | deu1233          |
|                                            |                       | falling                  | deu1234          |
| Yens                                       | yens<br>(Japan)       | flat                     | deu1236          |
|                                            |                       | rising                   | deu1237          |
|                                            |                       | falling                  | deu1238          |
| Lira                                       | lira<br>(Italy)       | flat                     | deu1240          |
|                                            |                       | rising                   | deu1241          |
|                                            |                       | falling                  | deu1242          |
| Lire                                       | liras<br>(Italy)      | flat                     | deu1244          |
|                                            |                       | rising                   | deu1245          |
|                                            |                       | falling                  | deu1246          |

**German audio (Sheet 21 of 27)**

| <b>German phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|---------------------------|--------------------------|------------------|
| Guilder                                    | guilder<br>(Netherlands)  | flat                     | deu1248          |
|                                            |                           | rising                   | deu1249          |
|                                            |                           | falling                  | deu1250          |
| Guilder                                    | guilders<br>(Netherlands) | flat                     | deu1252          |
|                                            |                           | rising                   | deu1253          |
|                                            |                           | falling                  | deu1254          |
| Cent                                       | cent<br>(Netherlands)     | flat                     | deu1256          |
|                                            |                           | rising                   | deu1257          |
|                                            |                           | falling                  | deu1258          |
| Cent                                       | cents<br>(Netherlands)    | flat                     | deu1260          |
|                                            |                           | rising                   | deu1261          |
|                                            |                           | falling                  | deu1262          |
| Pound                                      | pound<br>(UK)             | flat                     | deu1264          |
|                                            |                           | rising                   | deu1265          |
|                                            |                           | falling                  | deu1266          |
| Pound                                      | pounds<br>(UK)            | flat                     | deu1268          |
|                                            |                           | rising                   | deu1269          |
|                                            |                           | falling                  | deu1270          |
| penny                                      | penny<br>(UK)             | flat                     | deu1272          |
|                                            |                           | rising                   | deu1273          |
|                                            |                           | falling                  | deu1274          |
| pence                                      | pence<br>(UK)             | flat                     | deu1276          |
|                                            |                           | rising                   | deu1277          |
|                                            |                           | falling                  | deu1278          |
| euro                                       | euro<br>(Euro)            | flat                     | deu1280          |
|                                            |                           | rising                   | deu1281          |
|                                            |                           | falling                  | deu1282          |

**German audio (Sheet 22 of 27)**

| <b>German phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| euros                                      | euros          | flat                     | deu1284          |
|                                            | (Euro)         | rising                   | deu1285          |
|                                            |                | falling                  | deu1286          |
| eurocent                                   | eurocent       | flat                     | deu1288          |
|                                            | (Euro)         | rising                   | deu1289          |
|                                            |                | falling                  | deu1290          |
| eurocents                                  | eurocents      | flat                     | deu1292          |
|                                            | (Euro)         | rising                   | deu1293          |
|                                            |                | falling                  | deu1294          |
| franc                                      | franc          | flat                     | deu1296          |
|                                            | (France)       | rising                   | deu1297          |
|                                            |                | falling                  | deu1298          |
| francs                                     | francs         | flat                     | deu1300          |
|                                            | (France)       | rising                   | deu1301          |
|                                            |                | falling                  | deu1302          |
| centime                                    | centime        | flat                     | deu1304          |
|                                            | (France)       | rising                   | deu1305          |
|                                            |                | falling                  | deu1306          |
| centimes                                   | centimes       | flat                     | deu1308          |
|                                            | (France)       | rising                   | deu1309          |
|                                            |                | falling                  | deu1310          |
| peseta                                     | peseta         | flat                     | deu1312          |
|                                            | (Spain)        | rising                   | deu1313          |
|                                            |                | falling                  | deu1314          |
| pesetas                                    | pesetas        | flat                     | deu1316          |
|                                            | (Spain)        | rising                   | deu1317          |
|                                            |                | falling                  | deu1318          |

**German audio (Sheet 23 of 27)**

| <b>German phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|---------------------------|--------------------------|------------------|
| peso                                       | peso<br>(Philippines)     | flat                     | deu1328          |
|                                            |                           | rising                   | deu1329          |
|                                            |                           | falling                  | deu1330          |
| pesos                                      | pesos<br>(Philippines)    | flat                     | deu1332          |
|                                            |                           | rising                   | deu1333          |
|                                            |                           | falling                  | deu1334          |
| centavo                                    | centavo<br>(Philippines)  | flat                     | deu1336          |
|                                            |                           | rising                   | deu1337          |
|                                            |                           | falling                  | deu1338          |
| centavos                                   | centavos<br>(Philippines) | flat                     | deu1340          |
|                                            |                           | rising                   | deu1341          |
|                                            |                           | falling                  | deu1342          |
| ringgit                                    | ringgit<br>(Malaysia)     | flat                     | deu1344          |
|                                            |                           | rising                   | deu1345          |
|                                            |                           | falling                  | deu1346          |
| ringgits                                   | ringgits<br>(Malaysia)    | flat                     | deu1348          |
|                                            |                           | rising                   | deu1349          |
|                                            |                           | falling                  | deu1350          |
| sen                                        | sen<br>(Malaysia)         | flat                     | deu1352          |
|                                            |                           | rising                   | deu1353          |
|                                            |                           | falling                  | deu1354          |
| sens                                       | sens<br>(Malaysia)        | flat                     | deu1356          |
|                                            |                           | rising                   | deu1357          |
|                                            |                           | falling                  | deu1358          |
| baht                                       | baht<br>(Thailand)        | flat                     | deu1360          |
|                                            |                           | rising                   | deu1361          |
|                                            |                           | falling                  | deu1362          |

**German audio (Sheet 24 of 27)**

| <b>German phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|-----------------------|--------------------------|------------------|
| bahts                                      | bahts<br>(Thailand)   | flat                     | deu1364          |
|                                            |                       | rising                   | deu1365          |
|                                            |                       | falling                  | deu1366          |
| satang                                     | satang<br>(Thailand)  | flat                     | deu1368          |
|                                            |                       | rising                   | deu1369          |
|                                            |                       | falling                  | deu1370          |
| satangs                                    | satangs<br>(Thailand) | flat                     | deu1372          |
|                                            |                       | rising                   | deu1373          |
|                                            |                       | falling                  | deu1374          |
| won                                        | won<br>(Korea)        | flat                     | deu1376          |
|                                            |                       | rising                   | deu1377          |
|                                            |                       | falling                  | deu1378          |
| wons                                       | wons<br>(Korea)       | flat                     | deu1380          |
|                                            |                       | rising                   | deu1381          |
|                                            |                       | falling                  | deu1382          |
| franc                                      | franc<br>(Belgium)    | flat                     | deu1384          |
|                                            |                       | rising                   | deu1385          |
|                                            |                       | falling                  | deu1386          |
| francs                                     | francs<br>(Belgium)   | flat                     | deu1388          |
|                                            |                       | rising                   | deu1389          |
|                                            |                       | falling                  | deu1390          |
| centime                                    | centime<br>(Belgium)  | flat                     | deu1392          |
|                                            |                       | rising                   | deu1393          |
|                                            |                       | falling                  | deu1394          |
| centimes                                   | centimes<br>(Belgium) | flat                     | deu1396          |
|                                            |                       | rising                   | deu1397          |
|                                            |                       | falling                  | deu1398          |

**German audio (Sheet 25 of 27)**

| <b>German phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|------------------------|--------------------------|------------------|
| dollar                                     | dollar<br>(Canada)     | flat                     | deu1400          |
|                                            |                        | rising                   | deu1401          |
|                                            |                        | falling                  | deu1402          |
| dollars                                    | dollars<br>(Canada)    | flat                     | deu1404          |
|                                            |                        | rising                   | deu1405          |
|                                            |                        | falling                  | deu1406          |
| cent                                       | cent<br>(Canada)       | flat                     | deu1408          |
|                                            |                        | rising                   | deu1409          |
|                                            |                        | falling                  | deu1410          |
| cents                                      | cents<br>(Canada)      | flat                     | deu1412          |
|                                            |                        | rising                   | deu1413          |
|                                            |                        | falling                  | deu1414          |
| dollar                                     | dollar<br>(Hong Kong)  | flat                     | deu1416          |
|                                            |                        | rising                   | deu1417          |
|                                            |                        | falling                  | deu1418          |
| dollars                                    | dollars<br>(Hong Kong) | flat                     | deu1420          |
|                                            |                        | rising                   | deu1421          |
|                                            |                        | falling                  | deu1422          |
| cent                                       | cent<br>(Hong Kong)    | flat                     | deu1424          |
|                                            |                        | rising                   | deu1425          |
|                                            |                        | falling                  | deu1426          |
| cents                                      | cents<br>(Hong Kong)   | flat                     | deu1428          |
|                                            |                        | rising                   | deu1429          |
|                                            |                        | falling                  | deu1430          |
| Gok                                        | gok<br>(Hong Kong)     | flat                     | deu1488          |
|                                            |                        | rising                   | deu1489          |
|                                            |                        | falling                  | deu1490          |

**German audio (Sheet 26 of 27)**

| <b>German phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|------------------------|--------------------------|------------------|
| Goks                                       | goks<br>(Hong Kong)    | flat                     | deu1492          |
|                                            |                        | rising                   | deu1493          |
|                                            |                        | falling                  | deu1494          |
| escudo                                     | escudo<br>(Portugal)   | flat                     | deu1432          |
|                                            |                        | rising                   | deu1433          |
|                                            |                        | falling                  | deu1434          |
| escudos                                    | escudos<br>(Portugal)  | flat                     | deu1436          |
|                                            |                        | rising                   | deu1437          |
|                                            |                        | falling                  | deu1438          |
| centavo                                    | centavo<br>(Portugal)  | flat                     | deu1440          |
|                                            |                        | rising                   | deu1441          |
|                                            |                        | falling                  | deu1442          |
| centavos                                   | centavos<br>(Portugal) | flat                     | deu1444          |
|                                            |                        | rising                   | deu1445          |
|                                            |                        | falling                  | deu1446          |
| yuan                                       | yuan<br>(China)        | flat                     | deu1448          |
|                                            |                        | rising                   | deu1449          |
|                                            |                        | falling                  | deu1450          |
| yuans                                      | yuans<br>(China)       | flat                     | deu1452          |
|                                            |                        | rising                   | deu1453          |
|                                            |                        | falling                  | deu1454          |
| jiao                                       | jiao<br>(China)        | flat                     | deu1456          |
|                                            |                        | rising                   | deu1457          |
|                                            |                        | falling                  | deu1458          |
| jiaos                                      | jiaos<br>(China)       | flat                     | deu1460          |
|                                            |                        | rising                   | deu1461          |
|                                            |                        | falling                  | deu1462          |



**German audio (Sheet 27 of 27)**

| <b>German phrase or English equivalent</b> | <b>English</b>      | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|---------------------|--------------------------|------------------|
| fen                                        | fen<br>(China)      | flat                     | deu1464          |
|                                            |                     | rising                   | deu1465          |
|                                            |                     | falling                  | deu1466          |
| fens                                       | fens<br>(China)     | flat                     | deu1468          |
|                                            |                     | rising                   | deu1469          |
|                                            |                     | falling                  | deu1470          |
| pound                                      | pound<br>(Ireland)  | flat                     | deu1472          |
|                                            |                     | rising                   | deu1473          |
|                                            |                     | falling                  | deu1474          |
| pounds                                     | pounds<br>(Ireland) | flat                     | deu1476          |
|                                            |                     | rising                   | deu1477          |
|                                            |                     | falling                  | deu1478          |
| penny                                      | penny<br>(Ireland)  | flat                     | deu1480          |
|                                            |                     | rising                   | deu1481          |
|                                            |                     | falling                  | deu1482          |
| pence                                      | pence<br>(Ireland)  | flat                     | deu1484          |
|                                            |                     | rising                   | deu1485          |
|                                            |                     | falling                  | deu1486          |

## Greek audio files

**Note 1:** Only record audio file names ell1200-ell4070 if the user provisions audio files for this currency.

**Note 2:** Audio files names ell508-ell610 are used for strings functionality. Recording of this audio is optional and the content of the recording can be any word.

**Note 3:** Audio files names ell920-ell966 are used for months when spoken in dates.

### Greek audio (Sheet 1 of 36)

| Greek phrase or English equivalent | English | Phrase intonation | File name |
|------------------------------------|---------|-------------------|-----------|
| midhEn                             | zero    | flat              | ell0      |
|                                    |         | rising            | ell1      |
|                                    |         | falling           | ell2      |
| Ena                                | one     | flat              | ell8      |
|                                    |         | rising            | ell9      |
|                                    |         | falling           | ell10     |
| dhlo                               | two     | flat              | ell12     |
|                                    |         | rising            | ell13     |
|                                    |         | falling           | ell14     |
| trla                               | three   | flat              | ell16     |
|                                    |         | rising            | ell17     |
|                                    |         | falling           | ell18     |
| tEssera                            | four    | flat              | ell20     |
|                                    |         | rising            | ell21     |
|                                    |         | falling           | ell22     |
| pEnte                              | five    | flat              | ell24     |
|                                    |         | rising            | ell25     |
|                                    |         | falling           | ell26     |

**Greek audio (Sheet 2 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| Eksi                                      | six            | flat                     | ell28            |
|                                           |                | rising                   | ell29            |
|                                           |                | falling                  | ell30            |
| eptA                                      | seven          | flat                     | ell32            |
|                                           |                | rising                   | ell33            |
|                                           |                | falling                  | ell34            |
| oktO                                      | eight          | flat                     | ell36            |
|                                           |                | rising                   | ell37            |
|                                           |                | falling                  | ell38            |
| ennEa                                     | nine           | flat                     | ell40            |
|                                           |                | rising                   | ell41            |
|                                           |                | falling                  | ell42            |
| dhEka                                     | ten            | flat                     | ell56            |
|                                           |                | rising                   | ell57            |
|                                           |                | falling                  | ell58            |
| Enteka                                    | eleven         | flat                     | ell60            |
|                                           |                | rising                   | ell61            |
|                                           |                | falling                  | ell62            |
| dhOdheka                                  | twelve         | flat                     | ell64            |
|                                           |                | rising                   | ell65            |
|                                           |                | falling                  | ell66            |
| dhekatrla                                 | thirteen       | flat                     | ell68            |
|                                           |                | rising                   | ell69            |
|                                           |                | falling                  | ell70            |
| dhekatEssera                              | fourteen       | flat                     | ell72            |
|                                           |                | rising                   | ell73            |
|                                           |                | falling                  | ell74            |

**Greek audio (Sheet 3 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| dhekaPente                                | fifteen        | flat                     | ell76            |
|                                           |                | rising                   | ell77            |
|                                           |                | falling                  | ell78            |
| dhekaEksi                                 | sixteen        | flat                     | ell80            |
|                                           |                | rising                   | ell81            |
|                                           |                | falling                  | ell82            |
| dhekaeptA                                 | seventeen      | flat                     | ell84            |
|                                           |                | rising                   | ell85            |
|                                           |                | falling                  | ell86            |
| dhekaokto                                 | eighteen       | flat                     | ell88            |
|                                           |                | rising                   | ell89            |
|                                           |                | falling                  | ell90            |
| dhekaennEa                                | nineteen       | flat                     | ell92            |
|                                           |                | rising                   | ell93            |
|                                           |                | falling                  | ell94            |
| Ikosi                                     | twenty         | flat                     | ell96            |
|                                           |                | rising                   | ell97            |
|                                           |                | falling                  | ell98            |
| triAnta                                   | thirty         | flat                     | ell100           |
|                                           |                | rising                   | ell101           |
|                                           |                | falling                  | ell102           |
| sarAnta                                   | forty          | flat                     | ell104           |
|                                           |                | rising                   | ell105           |
|                                           |                | falling                  | ell106           |
| penInta                                   | fifty          | flat                     | ell108           |
|                                           |                | rising                   | ell109           |
|                                           |                | falling                  | ell110           |

**Greek audio (Sheet 4 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| eksInta                                   | sixty          | flat                     | ell112           |
|                                           |                | rising                   | ell113           |
|                                           |                | falling                  | ell114           |
| evdhomInta                                | seventy        | flat                     | ell116           |
|                                           |                | rising                   | ell117           |
|                                           |                | falling                  | ell118           |
| oghdhOnta                                 | eighty         | flat                     | ell120           |
|                                           |                | rising                   | ell121           |
|                                           |                | falling                  | ell122           |
| enenInta                                  | ninety         | flat                     | ell124           |
|                                           |                | rising                   | ell125           |
|                                           |                | falling                  | ell126           |
| ekatO                                     | one-hundred    | flat                     | ell132           |
|                                           |                | rising                   | ell133           |
|                                           |                | falling                  | ell134           |
| dhiakOsia                                 | two-hundred    | flat                     | ell136           |
|                                           |                | rising                   | ell137           |
|                                           |                | falling                  | ell138           |
| triakOsia                                 | three-hundred  | flat                     | ell140           |
|                                           |                | rising                   | ell141           |
|                                           |                | falling                  | ell142           |
| tetrakOsia                                | four-hundred   | flat                     | ell144           |
|                                           |                | rising                   | ell145           |
|                                           |                | falling                  | ell146           |
| pentakOsia                                | five-hundred   | flat                     | ell148           |
|                                           |                | rising                   | ell149           |
|                                           |                | falling                  | ell150           |

**Greek audio (Sheet 5 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| eksakOsia                                 | six-hundred    | flat                     | ell152           |
|                                           |                | rising                   | ell153           |
|                                           |                | falling                  | ell154           |
| eptakOsia                                 | seven-hundred  | flat                     | ell156           |
|                                           |                | rising                   | ell157           |
|                                           |                | falling                  | ell158           |
| oktakOsia                                 | eight-hundred  | flat                     | ell160           |
|                                           |                | rising                   | ell161           |
|                                           |                | falling                  | ell162           |
| enniakOsia                                | nine-hundred   | flat                     | ell164           |
|                                           |                | rising                   | ell165           |
|                                           |                | falling                  | ell166           |
| chllia                                    | thousand       | flat                     | ell496           |
|                                           |                | rising                   | ell497           |
|                                           |                | falling                  | ell498           |
| ekatommlrio                               | million        | flat                     | ell500           |
|                                           |                | rising                   | ell501           |
|                                           |                | falling                  | ell502           |
| dhisekatommlrio                           | billion        | flat                     | ell504           |
|                                           |                | rising                   | ell505           |
|                                           |                | falling                  | ell506           |
| optional                                  | a              | flat                     | ell508           |
|                                           |                | rising                   | ell509           |
|                                           |                | falling                  | ell510           |
| optional                                  | b              | flat                     | ell512           |
|                                           |                | rising                   | ell513           |
|                                           |                | falling                  | ell514           |

**Greek audio (Sheet 6 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| optional                                  | c              | flat                     | ell516           |
|                                           |                | rising                   | ell517           |
|                                           |                | falling                  | ell518           |
| optional                                  | d              | flat                     | ell520           |
|                                           |                | rising                   | ell521           |
|                                           |                | falling                  | ell522           |
| optional                                  | e              | flat                     | ell524           |
|                                           |                | rising                   | ell525           |
|                                           |                | falling                  | ell526           |
| optional                                  | f              | flat                     | ell528           |
|                                           |                | rising                   | ell529           |
|                                           |                | falling                  | ell530           |
| optional                                  | g              | flat                     | ell532           |
|                                           |                | rising                   | ell533           |
|                                           |                | falling                  | ell534           |
| optional                                  | h              | flat                     | ell536           |
|                                           |                | rising                   | ell537           |
|                                           |                | falling                  | ell538           |
| optional                                  | i              | flat                     | ell540           |
|                                           |                | rising                   | ell541           |
|                                           |                | falling                  | ell542           |
| optional                                  | j              | flat                     | ell544           |
|                                           |                | rising                   | ell545           |
|                                           |                | falling                  | ell546           |
| optional                                  | k              | flat                     | ell548           |
|                                           |                | rising                   | ell549           |
|                                           |                | falling                  | ell550           |

**Greek audio (Sheet 7 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| optional                                  | l              | flat                     | ell552           |
|                                           |                | rising                   | ell553           |
|                                           |                | falling                  | ell554           |
| optional                                  | m              | flat                     | ell556           |
|                                           |                | rising                   | ell557           |
|                                           |                | falling                  | ell557           |
| optional                                  | n              | flat                     | ell560           |
|                                           |                | rising                   | ell561           |
|                                           |                | falling                  | ell562           |
| optional                                  | o              | flat                     | ell564           |
|                                           |                | rising                   | ell565           |
|                                           |                | falling                  | ell566           |
| optional                                  | p              | flat                     | ell568           |
|                                           |                | rising                   | ell569           |
|                                           |                | falling                  | ell570           |
| optional                                  | q              | flat                     | ell572           |
|                                           |                | rising                   | ell573           |
|                                           |                | falling                  | ell574           |
| optional                                  | r              | flat                     | ell576           |
|                                           |                | rising                   | ell577           |
|                                           |                | falling                  | ell578           |
| optional                                  | s              | flat                     | ell580           |
|                                           |                | rising                   | ell581           |
|                                           |                | falling                  | ell582           |
| optional                                  | t              | flat                     | ell584           |
|                                           |                | rising                   | ell585           |
|                                           |                | falling                  | ell586           |



**Greek audio (Sheet 8 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| optional                                  | u              | flat                     | ell588           |
|                                           |                | rising                   | ell5589          |
|                                           |                | falling                  | ell590           |
| optional                                  | v              | flat                     | ell592           |
|                                           |                | rising                   | ell593           |
|                                           |                | falling                  | ell594           |
| optional                                  | w              | flat                     | ell596           |
|                                           |                | rising                   | ell597           |
|                                           |                | falling                  | ell598           |
| optional                                  | x              | flat                     | ell600           |
|                                           |                | rising                   | ell601           |
|                                           |                | falling                  | ell602           |
| optional                                  | y              | flat                     | ell604           |
|                                           |                | rising                   | ell605           |
|                                           |                | falling                  | ell606           |
| optional                                  | z              | flat                     | ell608           |
|                                           |                | rising                   | ell609           |
|                                           |                | falling                  | ell610           |
| mlon                                      | negative       | flat                     | ell616           |
|                                           |                | rising                   | ell617           |
|                                           |                | falling                  | ell618           |
| ke                                        | and            | flat                     | ell620           |
|                                           |                | rising                   | ell621           |
|                                           |                | falling                  | ell622           |
| Ora                                       | hour           | flat                     | ell624           |
|                                           |                | rising                   | ell625           |
|                                           |                | falling                  | ell626           |

**Greek audio (Sheet 9 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| Ores                                      | hours          | flat                     | ell628           |
|                                           |                | rising                   | ell629           |
|                                           |                | falling                  | ell630           |
| leptO                                     | minute         | flat                     | ell632           |
|                                           |                | rising                   | ell633           |
|                                           |                | falling                  | ell634           |
| leptA                                     | minutes        | flat                     | ell636           |
|                                           |                | rising                   | ell637           |
|                                           |                | falling                  | ell638           |
| dhefterOlepto                             | second         | flat                     | ell640           |
|                                           |                | rising                   | ell641           |
|                                           |                | falling                  | ell642           |
| dhefterOlepta                             | seconds        | flat                     | ell644           |
|                                           |                | rising                   | ell645           |
|                                           |                | falling                  | ell646           |
| ianuArios                                 | January        | flat                     | ell648           |
|                                           |                | rising                   | ell649           |
|                                           |                | falling                  | ell650           |
| fevruArios                                | February       | flat                     | ell652           |
|                                           |                | rising                   | ell653           |
|                                           |                | falling                  | ell654           |
| mArtios                                   | March          | flat                     | ell656           |
|                                           |                | rising                   | ell657           |
|                                           |                | falling                  | ell658           |
| aprllios                                  | April          | flat                     | ell660           |
|                                           |                | rising                   | ell661           |
|                                           |                | falling                  | ell662           |

**Greek audio (Sheet 10 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| mAios                                     | May            | flat                     | ell664           |
|                                           |                | rising                   | ell665           |
|                                           |                | falling                  | ell666           |
| iUnios                                    | June           | flat                     | ell668           |
|                                           |                | rising                   | ell669           |
|                                           |                | falling                  | ell670           |
| iUlios                                    | July           | flat                     | ell672           |
|                                           |                | rising                   | ell673           |
|                                           |                | falling                  | ell674           |
| Avghustos                                 | August         | flat                     | ell676           |
|                                           |                | rising                   | ell677           |
|                                           |                | falling                  | ell678           |
| septEmvrios                               | September      | flat                     | ell680           |
|                                           |                | rising                   | ell681           |
|                                           |                | falling                  | ell682           |
| oktOvrios                                 | October        | flat                     | ell684           |
|                                           |                | rising                   | ell685           |
|                                           |                | falling                  | ell686           |
| noEmvrios                                 | November       | flat                     | ell688           |
|                                           |                | rising                   | ell689           |
|                                           |                | falling                  | ell690           |
| dhekEmvrios                               | December       | flat                     | ell692           |
|                                           |                | rising                   | ell693           |
|                                           |                | falling                  | ell694           |
| kiriaki                                   | Sunday         | flat                     | ell696           |
|                                           |                | rising                   | ell697           |
|                                           |                | falling                  | ell698           |

**Greek audio (Sheet 11 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b>    | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|-------------------|--------------------------|------------------|
| dhitEra                                   | Monday            | flat                     | ell700           |
|                                           |                   | rising                   | ell701           |
|                                           |                   | falling                  | ell702           |
| trlti                                     | Tuesday           | flat                     | ell704           |
|                                           |                   | rising                   | ell705           |
|                                           |                   | falling                  | ell706           |
| tetArti                                   | Wednesday         | flat                     | ell708           |
|                                           |                   | rising                   | ell709           |
|                                           |                   | falling                  | ell710           |
| pEmpti                                    | Thursday          | flat                     | ell712           |
|                                           |                   | rising                   | ell713           |
|                                           |                   | falling                  | ell714           |
| paraskil                                  | Friday            | flat                     | ell716           |
|                                           |                   | rising                   | ell717           |
|                                           |                   | falling                  | ell718           |
| sAvvato                                   | Saturday          | flat                     | ell720           |
|                                           |                   | rising                   | ell721           |
|                                           |                   | falling                  | ell722           |
| prOtos                                    | first<br>(masc..) | flat                     | ell728           |
|                                           |                   | rising                   | ell729           |
|                                           |                   | falling                  | ell730           |
| dhEfteros                                 | second<br>(masc.) | flat                     | ell732           |
|                                           |                   | rising                   | ell733           |
|                                           |                   | falling                  | ell734           |
| trltos                                    | third<br>(masc.)  | flat                     | ell736           |
|                                           |                   | rising                   | ell737           |
|                                           |                   | falling                  | ell738           |

**Greek audio (Sheet 12 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b>      | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|---------------------|--------------------------|------------------|
| tEartos                                   | fourth<br>(masc.)   | flat                     | ell740           |
|                                           |                     | rising                   | ell741           |
|                                           |                     | falling                  | ell742           |
| pEmptos                                   | fifth<br>(masc.)    | flat                     | ell744           |
|                                           |                     | rising                   | ell745           |
|                                           |                     | falling                  | ell746           |
| Ektos                                     | sixth<br>(masc.)    | flat                     | ell748           |
|                                           |                     | rising                   | ell749           |
|                                           |                     | falling                  | ell750           |
| Evdhomos                                  | seventh<br>(masc.)  | flat                     | ell752           |
|                                           |                     | rising                   | ell753           |
|                                           |                     | falling                  | ell754           |
| Oghdhoos                                  | eighth<br>(masc.)   | flat                     | ell756           |
|                                           |                     | rising                   | ell757           |
|                                           |                     | falling                  | ell758           |
| Enatos                                    | ninth<br>(masc.)    | flat                     | ell760           |
|                                           |                     | rising                   | ell761           |
|                                           |                     | falling                  | ell762           |
| dhEkatos                                  | tenth<br>(masc.)    | flat                     | ell764           |
|                                           |                     | rising                   | ell765           |
|                                           |                     | falling                  | ell766           |
| endhEkatos                                | eleventh<br>(masc.) | flat                     | ell768           |
|                                           |                     | rising                   | ell769           |
|                                           |                     | falling                  | ell770           |
| dhodhEkatos                               | twelfth<br>(masc.)  | flat                     | ell772           |
|                                           |                     | rising                   | ell773           |
|                                           |                     | falling                  | ell774           |

**Greek audio (Sheet 13 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b>          | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|-------------------------|--------------------------|------------------|
| eikostOs                                  | twentieth<br>(masc.)    | flat                     | ell804           |
|                                           |                         | rising                   | ell805           |
|                                           |                         | falling                  | ell806           |
| triakostOs                                | thirtieth<br>(masc.)    | flat                     | ell808           |
|                                           |                         | rising                   | ell809           |
|                                           |                         | falling                  | ell810           |
| tessarakostOs                             | fortieth<br>(masc.)     | flat                     | ell812           |
|                                           |                         | rising                   | ell813           |
|                                           |                         | falling                  | ell814           |
| pentikostOs                               | fiftieth<br>(masc.)     | flat                     | ell816           |
|                                           |                         | rising                   | ell817           |
|                                           |                         | falling                  | ell818           |
| eksikostOs                                | sixtieth<br>(masc.)     | flat                     | ell820           |
|                                           |                         | rising                   | ell821           |
|                                           |                         | falling                  | ell822           |
| evdhomikostOs                             | seventieth<br>(masc.)   | flat                     | ell824           |
|                                           |                         | rising                   | ell825           |
|                                           |                         | falling                  | ell826           |
| oghdhoikostOs                             | eightieth<br>(masc.)    | flat                     | ell828           |
|                                           |                         | rising                   | ell829           |
|                                           |                         | falling                  | ell830           |
| enenikostOs                               | ninetieth<br>(masc.)    | flat                     | ell832           |
|                                           |                         | rising                   | ell833           |
|                                           |                         | falling                  | ell834           |
| ekatostOs                                 | one-hundreth<br>(masc.) | flat                     | ell836           |
|                                           |                         | rising                   | ell837           |
|                                           |                         | falling                  | ell838           |

**Greek audio (Sheet 14 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|---------------------------|--------------------------|------------------|
| dhiakosioſOs                              | two-hundreth<br>(masc.)   | flat                     | ell840           |
|                                           |                           | rising                   | ell841           |
|                                           |                           | falling                  | ell842           |
| triakosioſOs                              | three-hundreth<br>(masc.) | flat                     | ell844           |
|                                           |                           | rising                   | ell845           |
|                                           |                           | falling                  | ell846           |
| tetrakosioſOs                             | four-hundreth<br>(masc.)  | flat                     | ell848           |
|                                           |                           | rising                   | ell849           |
|                                           |                           | falling                  | ell850           |
| pentakosioſOs                             | five-hundreth<br>(masc.)  | flat                     | ell852           |
|                                           |                           | rising                   | ell853           |
|                                           |                           | falling                  | ell854           |
| eksakosioſOs                              | six-hundreth<br>(masc.)   | flat                     | ell856           |
|                                           |                           | rising                   | ell857           |
|                                           |                           | falling                  | ell858           |
| eptakosioſOs                              | seven-hundreth<br>(masc.) | flat                     | ell860           |
|                                           |                           | rising                   | ell861           |
|                                           |                           | falling                  | ell862           |
| oktakosioſOs                              | eight-hundreth<br>(masc.) | flat                     | ell864           |
|                                           |                           | rising                   | ell865           |
|                                           |                           | falling                  | ell866           |
| enniakosioſOs                             | nine-hundreth<br>(masc.)  | flat                     | ell868           |
|                                           |                           | rising                   | ell869           |
|                                           |                           | falling                  | ell870           |
| chilioſOs                                 | thousandth<br>(masc.)     | flat                     | ell872           |
|                                           |                           | rising                   | ell873           |
|                                           |                           | falling                  | ell874           |

**Greek audio (Sheet 15 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b>       | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------------|--------------------------|------------------|
| ekatommiriostOs                           | millionth<br>(masc.) | flat                     | ell880           |
|                                           |                      | rising                   | ell881           |
|                                           |                      | falling                  | ell882           |
| dhisekatommiriostOs                       | billionth<br>(masc.) | flat                     | ell888           |
|                                           |                      | rising                   | ell889           |
|                                           |                      | falling                  | ell890           |
| dhlesi                                    | pound sign<br>(#)    | flat                     | ell896           |
|                                           |                      | rising                   | ell897           |
|                                           |                      | falling                  | ell898           |
| asterlskos                                | asterisk<br>(*)      | flat                     | ell900           |
|                                           |                      | rising                   | ell901           |
|                                           |                      | falling                  | ell902           |
| metA mesimvrlan                           | a.m                  | flat                     | ell908           |
|                                           |                      | rising                   | ell909           |
|                                           |                      | falling                  | ell910           |
| ml.ml                                     | p.m                  | flat                     | ell912           |
|                                           |                      | rising                   | ell913           |
|                                           |                      | falling                  | ell914           |
| dholArio                                  | dollar<br>(US)       | flat                     | ell1200          |
|                                           |                      | rising                   | ell1201          |
|                                           |                      | falling                  | ell1202          |
| dholAria                                  | dollars<br>(US)      | flat                     | ell1204          |
|                                           |                      | rising                   | ell1205          |
|                                           |                      | falling                  | ell1206          |
| sent                                      | cent<br>(US)         | flat                     | ell1208          |
|                                           |                      | rising                   | ell1209          |
|                                           |                      | falling                  | ell1210          |



**Greek audio (Sheet 16 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|-----------------------|--------------------------|------------------|
| sents                                     | cents<br>(US)         | flat                     | ell1212          |
|                                           |                       | rising                   | ell1213          |
|                                           |                       | falling                  | ell1214          |
| mark                                      | mark<br>(Germany)     | flat                     | ell1216          |
|                                           |                       | rising                   | ell1217          |
|                                           |                       | falling                  | ell1218          |
| marks                                     | marks<br>(Germany)    | flat                     | ell1220          |
|                                           |                       | rising                   | ell1221          |
|                                           |                       | falling                  | ell1222          |
| pfennig                                   | pfennig<br>(Germany)  | flat                     | ell1224          |
|                                           |                       | rising                   | ell1225          |
|                                           |                       | falling                  | ell1226          |
| pfennigs                                  | pfennigs<br>(Germany) | flat                     | ell1228          |
|                                           |                       | rising                   | ell1229          |
|                                           |                       | falling                  | ell1230          |
| ghen                                      | yen<br>(Japan)        | flat                     | ell1232          |
|                                           |                       | rising                   | ell1233          |
|                                           |                       | falling                  | ell1234          |
| yens                                      | yens<br>(Japan)       | flat                     | ell1236          |
|                                           |                       | rising                   | ell1237          |
|                                           |                       | falling                  | ell1238          |
| lira                                      | lira<br>(Italy)       | flat                     | ell1240          |
|                                           |                       | rising                   | ell1241          |
|                                           |                       | falling                  | ell1242          |
| lire                                      | liras<br>(Italy)      | flat                     | ell1244          |
|                                           |                       | rising                   | ell1245          |
|                                           |                       | falling                  | ell1246          |

**Greek audio (Sheet 17 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|---------------------------|--------------------------|------------------|
| guilder                                   | guilder<br>(Netherlands)  | flat                     | ell1248          |
|                                           |                           | rising                   | ell1249          |
|                                           |                           | falling                  | ell1250          |
| guilders                                  | guilders<br>(Netherlands) | flat                     | ell1252          |
|                                           |                           | rising                   | ell1253          |
|                                           |                           | falling                  | ell1254          |
| cent                                      | cent<br>(Netherlands)     | flat                     | ell1256          |
|                                           |                           | rising                   | ell1257          |
|                                           |                           | falling                  | ell1258          |
| cent                                      | cents<br>(Netherlands)    | flat                     | ell1260          |
|                                           |                           | rising                   | ell1261          |
|                                           |                           | falling                  | ell1262          |
| pound                                     | pound<br>(UK)             | flat                     | ell1264          |
|                                           |                           | rising                   | ell1265          |
|                                           |                           | falling                  | ell1266          |
| pounds                                    | pounds<br>(UK)            | flat                     | ell1268          |
|                                           |                           | rising                   | ell1269          |
|                                           |                           | falling                  | ell1270          |
| penny                                     | penny<br>(UK)             | flat                     | ell1272          |
|                                           |                           | rising                   | ell1273          |
|                                           |                           | falling                  | ell1274          |
| pence                                     | pence<br>(UK)             | flat                     | ell1276          |
|                                           |                           | rising                   | ell1277          |
|                                           |                           | falling                  | ell1278          |
| irO                                       | euro<br>(Euro)            | flat                     | ell1280          |
|                                           |                           | rising                   | ell1281          |
|                                           |                           | falling                  | ell1282          |

**Greek audio (Sheet 18 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| irO                                       | euros          | flat                     | ell1284          |
|                                           | (Euro)         | rising                   | ell1285          |
|                                           |                | falling                  | ell1286          |
| leptO tu irO                              | eurocent       | flat                     | ell1288          |
|                                           | (Euro)         | rising                   | ell1289          |
|                                           |                | falling                  | ell1290          |
| leptA tu irO                              | eurocents      | flat                     | ell1292          |
|                                           | (Euro)         | rising                   | ell1293          |
|                                           |                | falling                  | ell1294          |
| frAghko                                   | franc          | flat                     | ell1296          |
|                                           | (France)       | rising                   | ell1297          |
|                                           |                | falling                  | ell1298          |
| frAghka                                   | francs         | flat                     | ell1300          |
|                                           | (France)       | rising                   | ell1301          |
|                                           |                | falling                  | ell1302          |
| dhekAra                                   | centime        | flat                     | ell1304          |
|                                           | (France)       | rising                   | ell1305          |
|                                           |                | falling                  | ell1306          |
| dhekAres                                  | centimes       | flat                     | ell1308          |
|                                           | (France)       | rising                   | ell1309          |
|                                           |                | falling                  | ell1310          |
| peseta                                    | peseta         | flat                     | ell1312          |
|                                           | (Spain)        | rising                   | ell1313          |
|                                           |                | falling                  | ell1314          |
| pesetas                                   | pesetas        | flat                     | ell1316          |
|                                           | (Spain)        | rising                   | ell1317          |
|                                           |                | falling                  | ell1318          |

**Greek audio (Sheet 19 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|---------------------------|--------------------------|------------------|
| peso                                      | peso<br>(Philippines)     | flat                     | ell1328          |
|                                           |                           | rising                   | ell1329          |
|                                           |                           | falling                  | ell1330          |
| pesos                                     | pesos<br>(Philippines)    | flat                     | ell1332          |
|                                           |                           | rising                   | ell1333          |
|                                           |                           | falling                  | ell1334          |
| centavo                                   | centavo<br>(Philippines)  | flat                     | ell1336          |
|                                           |                           | rising                   | ell1337          |
|                                           |                           | falling                  | ell1338          |
| centavos                                  | centavos<br>(Philippines) | flat                     | ell1340          |
|                                           |                           | rising                   | ell1341          |
|                                           |                           | falling                  | ell1342          |
| ringgit                                   | ringgit<br>(Malaysia)     | flat                     | ell1344          |
|                                           |                           | rising                   | ell1345          |
|                                           |                           | falling                  | ell1346          |
| ringgits                                  | ringgits<br>(Malaysia)    | flat                     | ell1348          |
|                                           |                           | rising                   | ell1349          |
|                                           |                           | falling                  | ell1350          |
| sen                                       | sen<br>(Malaysia)         | flat                     | ell1352          |
|                                           |                           | rising                   | ell1353          |
|                                           |                           | falling                  | ell1354          |
| sens                                      | sens<br>(Malaysia)        | flat                     | ell1356          |
|                                           |                           | rising                   | ell1357          |
|                                           |                           | falling                  | ell1358          |
| baht                                      | baht<br>(Thailand)        | flat                     | ell1360          |
|                                           |                           | rising                   | ell1361          |
|                                           |                           | falling                  | ell1362          |

**Greek audio (Sheet 20 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|-----------------------|--------------------------|------------------|
| bahts                                     | bahts<br>(Thailand)   | flat                     | ell1364          |
|                                           |                       | rising                   | ell1365          |
|                                           |                       | falling                  | ell1366          |
| satang                                    | satang<br>(Thailand)  | flat                     | ell1368          |
|                                           |                       | rising                   | ell1369          |
|                                           |                       | falling                  | ell1370          |
| satangs                                   | satangs<br>(Thailand) | flat                     | ell1372          |
|                                           |                       | rising                   | ell1373          |
|                                           |                       | falling                  | ell1374          |
| won                                       | won<br>(Korea)        | flat                     | ell1376          |
|                                           |                       | rising                   | ell1377          |
|                                           |                       | falling                  | ell1378          |
| wons                                      | wons<br>(Korea)       | flat                     | ell1380          |
|                                           |                       | rising                   | ell1381          |
|                                           |                       | falling                  | ell1382          |
| franc                                     | franc<br>(Belgium)    | flat                     | ell1384          |
|                                           |                       | rising                   | ell1385          |
|                                           |                       | falling                  | ell1386          |
| francs                                    | francs<br>(Belgium)   | flat                     | ell1388          |
|                                           |                       | rising                   | ell1389          |
|                                           |                       | falling                  | ell1390          |
| centime                                   | centime<br>(Belgium)  | flat                     | ell1392          |
|                                           |                       | rising                   | ell1393          |
|                                           |                       | falling                  | ell1394          |
| centimes                                  | centimes<br>(Belgium) | flat                     | ell1396          |
|                                           |                       | rising                   | ell1397          |
|                                           |                       | falling                  | ell1398          |

**Greek audio (Sheet 21 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|------------------------|--------------------------|------------------|
| dollar                                    | dollar<br>(Canada)     | flat                     | ell1400          |
|                                           |                        | rising                   | ell1401          |
|                                           |                        | falling                  | ell1402          |
| dollars                                   | dollars<br>(Canada)    | flat                     | ell1404          |
|                                           |                        | rising                   | ell1405          |
|                                           |                        | falling                  | ell1406          |
| cent                                      | cent<br>(Canada)       | flat                     | ell1408          |
|                                           |                        | rising                   | ell1409          |
|                                           |                        | falling                  | ell1410          |
| cents                                     | cents<br>(Canada)      | flat                     | ell1412          |
|                                           |                        | rising                   | ell1413          |
|                                           |                        | falling                  | ell1414          |
| dollar                                    | dollar<br>(Hong Kong)  | flat                     | ell1416          |
|                                           |                        | rising                   | ell1417          |
|                                           |                        | falling                  | ell1418          |
| dollars                                   | dollars<br>(Hong Kong) | flat                     | ell1420          |
|                                           |                        | rising                   | ell1421          |
|                                           |                        | falling                  | ell1422          |
| cent                                      | cent<br>(Hong Kong)    | flat                     | ell1424          |
|                                           |                        | rising                   | ell1425          |
|                                           |                        | falling                  | ell1426          |
| cents                                     | cents<br>(Hong Kong)   | flat                     | ell1428          |
|                                           |                        | rising                   | ell1429          |
|                                           |                        | falling                  | ell1430          |
| gok                                       | gok<br>(Hong Kong)     | flat                     | ell1488          |
|                                           |                        | rising                   | ell1489          |
|                                           |                        | falling                  | ell1490          |

**Greek audio (Sheet 22 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|------------------------|--------------------------|------------------|
| goks                                      | goks<br>(Hong Kong)    | flat                     | ell1492          |
|                                           |                        | rising                   | ell1493          |
|                                           |                        | falling                  | ell1494          |
| escudo                                    | escudo<br>(Portugal)   | flat                     | ell1432          |
|                                           |                        | rising                   | ell1433          |
|                                           |                        | falling                  | ell1434          |
| escudos                                   | escudos<br>(Portugal)  | flat                     | ell1436          |
|                                           |                        | rising                   | ell1437          |
|                                           |                        | falling                  | ell1438          |
| centavo                                   | centavo<br>(Portugal)  | flat                     | ell1440          |
|                                           |                        | rising                   | ell1441          |
|                                           |                        | falling                  | ell1442          |
| centavos                                  | centavos<br>(Portugal) | flat                     | ell1444          |
|                                           |                        | rising                   | ell1445          |
|                                           |                        | falling                  | ell1446          |
| yuan                                      | yuan<br>(China)        | flat                     | ell1448          |
|                                           |                        | rising                   | ell1449          |
|                                           |                        | falling                  | ell1450          |
| yuans                                     | yuans<br>(China)       | flat                     | ell1452          |
|                                           |                        | rising                   | ell1453          |
|                                           |                        | falling                  | ell1454          |
| jiao                                      | jiao<br>(China)        | flat                     | ell1456          |
|                                           |                        | rising                   | ell1457          |
|                                           |                        | falling                  | ell1458          |
| jiaos                                     | jiaos<br>(China)       | flat                     | ell1460          |
|                                           |                        | rising                   | ell1461          |
|                                           |                        | falling                  | ell1462          |

**Greek audio (Sheet 23 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b>      | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|---------------------|--------------------------|------------------|
| fen                                       | fen<br>(China)      | flat                     | ell1464          |
|                                           |                     | rising                   | ell1465          |
|                                           |                     | falling                  | ell1466          |
| fens                                      | fens<br>(China)     | flat                     | ell1468          |
|                                           |                     | rising                   | ell1469          |
|                                           |                     | falling                  | ell1470          |
| pound                                     | pound<br>(Ireland)  | flat                     | ell1472          |
|                                           |                     | rising                   | ell1473          |
|                                           |                     | falling                  | ell1474          |
| pounds                                    | pounds<br>(Ireland) | flat                     | ell1476          |
|                                           |                     | rising                   | ell1477          |
|                                           |                     | falling                  | ell1478          |
| penny                                     | penny<br>(Ireland)  | flat                     | ell1480          |
|                                           |                     | rising                   | ell1481          |
|                                           |                     | falling                  | ell1482          |
| pence                                     | pence<br>(Ireland)  | flat                     | ell1484          |
|                                           |                     | rising                   | ell1485          |
|                                           |                     | falling                  | ell1486          |
| sekEl                                     | shekel<br>(Israel)  | flat                     | ell4000          |
|                                           |                     | rising                   | ell4001          |
|                                           |                     | falling                  | ell4002          |
| shekels                                   | shekels<br>(Israel) | flat                     | ell4004          |
|                                           |                     | rising                   | ell4005          |
|                                           |                     | falling                  | ell4016          |
| agoro                                     | agoro<br>(Israel)   | flat                     | ell4008          |
|                                           |                     | rising                   | ell4009          |
|                                           |                     | falling                  | ell4010          |



**Greek audio (Sheet 24 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b>      | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|---------------------|--------------------------|------------------|
| agoros                                    | agoros<br>(Israel)  | flat                     | ell4012          |
|                                           |                     | rising                   | ell4013          |
|                                           |                     | falling                  | ell4014          |
| korOna tsechlas                           | koruna<br>(Czech)   | flat                     | ell4016          |
|                                           |                     | rising                   | ell4017          |
|                                           |                     | falling                  | ell4018          |
| korunas                                   | korunas<br>(Czech)  | flat                     | ell4020          |
|                                           |                     | rising                   | ell4021          |
|                                           |                     | falling                  | ell4022          |
| haleru                                    | haleru<br>(Czech)   | flat                     | ell4024          |
|                                           |                     | rising                   | ell4025          |
|                                           |                     | falling                  | ell4026          |
| halaeroo                                  | halerus<br>(Czech)  | flat                     | ell4028          |
|                                           |                     | rising                   | ell4029          |
|                                           |                     | falling                  | ell4030          |
| Ilra                                      | lira<br>(Turkey)    | flat                     | ell4032          |
|                                           |                     | rising                   | ell4033          |
|                                           |                     | falling                  | ell4034          |
| lire                                      | lire<br>(Turkey)    | flat                     | ell4036          |
|                                           |                     | rising                   | ell4037          |
|                                           |                     | falling                  | ell4038          |
| ellinikl dhrachml                         | drachma<br>(Greek)  | flat                     | ell4040          |
|                                           |                     | rising                   | ell4041          |
|                                           |                     | falling                  | ell4042          |
| drachmas                                  | drachmas<br>(Greek) | flat                     | ell4044          |
|                                           |                     | rising                   | ell4045          |
|                                           |                     | falling                  | ell4046          |

**Greek audio (Sheet 25 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|-----------------------|--------------------------|------------------|
| ntoghk                                    | dong<br>(Vietnamese)  | flat                     | ell4048          |
|                                           |                       | rising                   | ell4049          |
|                                           |                       | falling                  | ell4050          |
| dongs                                     | dongs<br>(Vietnamese) | flat                     | ell4052          |
|                                           |                       | rising                   | ell4053          |
|                                           |                       | falling                  | ell4054          |
| rupla                                     | rupee<br>(India)      | flat                     | ell4056          |
|                                           |                       | rising                   | ell4057          |
|                                           |                       | falling                  | ell4058          |
| ruples                                    | rupees<br>(India)     | flat                     | ell4060          |
|                                           |                       | rising                   | ell4061          |
|                                           |                       | falling                  | ell4062          |
| pAiza                                     | paisa<br>(India)      | flat                     | ell4064          |
|                                           |                       | rising                   | ell4065          |
|                                           |                       | falling                  | ell4066          |
| pAizes                                    | paisas<br>(India)     | flat                     | ell4068          |
|                                           |                       | rising                   | ell4069          |
|                                           |                       | falling                  | ell4070          |
| ianoiarlu                                 | January               | flat                     | ell920           |
|                                           |                       | rising                   | ell921           |
|                                           |                       | falling                  | ell922           |
| fevroiarlu                                | February              | flat                     | ell924           |
|                                           |                       | rising                   | ell925           |
|                                           |                       | falling                  | ell926           |
| martlu                                    | March                 | flat                     | ell928           |
|                                           |                       | rising                   | ell929           |
|                                           |                       | falling                  | ell930           |

**Greek audio (Sheet 26 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| aprillu                                   | April          | flat                     | ell932           |
|                                           |                | rising                   | ell933           |
|                                           |                | falling                  | ell934           |
| malu                                      | May            | flat                     | ell936           |
|                                           |                | rising                   | ell937           |
|                                           |                | falling                  | ell938           |
| ioinlu                                    | June           | flat                     | ell940           |
|                                           |                | rising                   | ell941           |
|                                           |                | falling                  | ell942           |
| ioillu                                    | July           | flat                     | ell944           |
|                                           |                | rising                   | ell945           |
|                                           |                | falling                  | ell946           |
| avghUstu                                  | August         | flat                     | ell948           |
|                                           |                | rising                   | ell949           |
|                                           |                | falling                  | ell950           |
| septemvrlu                                | September      | flat                     | ell952           |
|                                           |                | rising                   | ell953           |
|                                           |                | falling                  | ell954           |
| oktovrlu                                  | October        | flat                     | ell956           |
|                                           |                | rising                   | ell957           |
|                                           |                | falling                  | ell958           |
| noemvrlu                                  | November       | flat                     | ell960           |
|                                           |                | rising                   | ell961           |
|                                           |                | falling                  | ell962           |
| dhekemvrlu                                | December       | flat                     | ell964           |
|                                           |                | rising                   | ell965           |
|                                           |                | falling                  | ell966           |

**Greek audio (Sheet 27 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b>          | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|-------------------------|--------------------------|------------------|
| to mesimEri                               | midnight                | flat                     | ell968           |
|                                           |                         | rising                   | ell969           |
|                                           |                         | falling                  | ell970           |
| ta mesAnichta                             | noon                    | flat                     | ell972           |
|                                           |                         | rising                   | ell973           |
|                                           |                         | falling                  | ell974           |
| ekatOn                                    | hundred<br>(101 to 199) | flat                     | ell976           |
|                                           |                         | rising                   | ell977           |
|                                           |                         | falling                  | ell978           |
| chiliAdhes                                | thousands               | flat                     | ell980           |
|                                           |                         | rising                   | ell981           |
|                                           |                         | falling                  | ell982           |
| ekatommlria                               | millions                | flat                     | ell984           |
|                                           |                         | rising                   | ell985           |
|                                           |                         | falling                  | ell986           |
| dhisekatommlria                           | billions                | flat                     | ell988           |
|                                           |                         | rising                   | ell989           |
|                                           |                         | falling                  | ell990           |
| mla                                       | one<br>(fem.)           | flat                     | ell992           |
|                                           |                         | rising                   | ell993           |
|                                           |                         | falling                  | ell994           |
| tris                                      | three<br>(fem.)         | flat                     | ell996           |
|                                           |                         | rising                   | ell997           |
|                                           |                         | falling                  | ell998           |
| tEsseris                                  | four<br>(fem.)          | flat                     | ell1000          |
|                                           |                         | rising                   | ell1001          |
|                                           |                         | falling                  | ell1002          |

**Greek audio (Sheet 28 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| dhekatrelis                               | thirteen       | flat                     | ell1004          |
|                                           | (fem.)         | rising                   | ell1005          |
|                                           |                | falling                  | ell1006          |
| dhekatEsseris                             | fourteen       | flat                     | ell1008          |
|                                           | (fem.)         | rising                   | ell1009          |
|                                           |                | falling                  | ell1010          |
| elkosi                                    | twenty         | flat                     | ell1012          |
|                                           | (fem.)         | rising                   | ell1013          |
|                                           |                | falling                  | ell1014          |
| dhiakOsies                                | two-hundred    | flat                     | ell1016          |
|                                           | (fem.)         | rising                   | ell1017          |
|                                           |                | falling                  | ell1018          |
| triakOsies                                | three-hundred  | flat                     | ell1020          |
|                                           | (fem. )        | rising                   | ell1021          |
|                                           |                | falling                  | ell1022          |
| tetrakOsies                               | four-hundred   | flat                     | ell1024          |
|                                           | (fem.)         | rising                   | ell1025          |
|                                           |                | falling                  | ell1026          |
| pentakOsies                               | five-hundred   | flat                     | ell1028          |
|                                           | (fem.)         | rising                   | ell1029          |
|                                           |                | falling                  | ell1030          |
| eksakOsies                                | six-hundred    | flat                     | ell1032          |
|                                           | (fem.)         | rising                   | ell1033          |
|                                           |                | falling                  | ell1034          |
| eptakOsies                                | seven-hundred  | flat                     | ell1036          |
|                                           | (fem. )        | rising                   | ell1037          |
|                                           |                | falling                  | ell1038          |

**Greek audio (Sheet 29 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b>          | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|-------------------------|--------------------------|------------------|
| oktakOsies                                | eight-hundred<br>(fem.) | flat                     | ell1040          |
|                                           |                         | rising                   | ell1041          |
|                                           |                         | falling                  | ell1042          |
| enniakOsies                               | nine-hundred<br>(fem.)  | flat                     | ell1044          |
|                                           |                         | rising                   | ell1045          |
|                                           |                         | falling                  | ell1046          |
| prOti                                     | first<br>(fem.)         | flat                     | ell1048          |
|                                           |                         | rising                   | ell1049          |
|                                           |                         | falling                  | ell1050          |
| dhEfteri                                  | second<br>(fem.)        | flat                     | ell1052          |
|                                           |                         | rising                   | ell1053          |
|                                           |                         | falling                  | ell1054          |
| trIti                                     | third<br>(fem.)         | flat                     | ell1056          |
|                                           |                         | rising                   | ell1057          |
|                                           |                         | falling                  | ell1058          |
| tEtarti                                   | fourth<br>(fem.)        | flat                     | ell1060          |
|                                           |                         | rising                   | ell1061          |
|                                           |                         | falling                  | ell1062          |
| pEmpti                                    | fifth<br>(fem.)         | flat                     | ell1064          |
|                                           |                         | rising                   | ell1065          |
|                                           |                         | falling                  | ell1066          |
| Ekti                                      | sixth<br>(fem.)         | flat                     | ell1068          |
|                                           |                         | rising                   | ell1069          |
|                                           |                         | falling                  | ell1070          |
| Evdhomi                                   | seventh<br>(fem.)       | flat                     | ell1072          |
|                                           |                         | rising                   | ell1073          |
|                                           |                         | falling                  | ell1074          |

**Greek audio (Sheet 30 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b>      | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|---------------------|--------------------------|------------------|
| Oghdhoi                                   | eighth<br>(fem.)    | flat                     | ell1076          |
|                                           |                     | rising                   | ell1077          |
|                                           |                     | falling                  | ell1078          |
| Enati                                     | ninth<br>(fem.)     | flat                     | ell1080          |
|                                           |                     | rising                   | ell1081          |
|                                           |                     | falling                  | ell1082          |
| dhEkati                                   | tenth<br>(fem.)     | flat                     | ell1084          |
|                                           |                     | rising                   | ell1085          |
|                                           |                     | falling                  | ell1086          |
| endhEkati                                 | eleventh<br>(fem.)  | flat                     | ell1088          |
|                                           |                     | rising                   | ell1089          |
|                                           |                     | falling                  | ell1090          |
| dhodhEkati                                | twelfth<br>(fem.)   | flat                     | ell1092          |
|                                           |                     | rising                   | ell1093          |
|                                           |                     | falling                  | ell1094          |
| eikostl                                   | twentieth<br>(fem.) | flat                     | ell1096          |
|                                           |                     | rising                   | ell1097          |
|                                           |                     | falling                  | ell1098          |
| triakostl                                 | thirtieth<br>(fem.) | flat                     | ell1100          |
|                                           |                     | rising                   | ell1101          |
|                                           |                     | falling                  | ell1102          |
| tessarakostl                              | fortieth<br>(fem.)  | flat                     | ell1104          |
|                                           |                     | rising                   | ell1105          |
|                                           |                     | falling                  | ell1106          |
| pentikostl                                | fiftieth<br>(fem.)  | flat                     | ell1108          |
|                                           |                     | rising                   | ell1109          |
|                                           |                     | falling                  | ell1110          |

**Greek audio (Sheet 31 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b>  | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|-----------------|--------------------------|------------------|
| eksikostl                                 | sixtieth        | flat                     | ell1112          |
|                                           | (fem.)          | rising                   | ell1113          |
|                                           |                 | falling                  | ell1114          |
| evdhomikostl                              | seventieth      | flat                     | ell1116          |
|                                           | (fem.)          | rising                   | ell1117          |
|                                           |                 | falling                  | ell1118          |
| oghdhoikostl                              | eightieth       | flat                     | ell1120          |
|                                           | (fem.)          | rising                   | ell1121          |
|                                           |                 | falling                  | ell1122          |
| enenikostl                                | ninetieth       | flat                     | ell1124          |
|                                           | (fem.)          | rising                   | ell1125          |
|                                           |                 | falling                  | ell1126          |
| ekatostl                                  | one-hundredth   | flat                     | ell1128          |
|                                           | (fem.)          | rising                   | ell1129          |
|                                           |                 | falling                  | ell1130          |
| dhiakosiosl                               | two-hundredth   | flat                     | ell1132          |
|                                           | (fem.)          | rising                   | ell1133          |
|                                           |                 | falling                  | ell1134          |
| triakosiosl                               | three-hundredth | flat                     | ell1136          |
|                                           | (fem.)          | rising                   | ell1137          |
|                                           |                 | falling                  | ell1138          |
| tetrakosiosl                              | four-hundredth  | flat                     | ell1140          |
|                                           | (fem.)          | rising                   | ell1141          |
|                                           |                 | falling                  | ell1142          |
| pentakosiosl                              | five-hundredth  | flat                     | ell1144          |
|                                           | (fem.)          | rising                   | ell1145          |
|                                           |                 | falling                  | ell1146          |



**Greek audio (Sheet 32 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b>                 | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|--------------------------------|--------------------------|------------------|
| eksakosioſtl                              | six-hundredth<br>(fem.)        | flat                     | ell1148          |
|                                           |                                | rising                   | ell1149          |
|                                           |                                | falling                  | ell1150          |
| eptakosioſtl                              | seven-hundredth<br>(fem.)      | flat                     | ell1152          |
|                                           |                                | rising                   | ell1153          |
|                                           |                                | falling                  | ell1154          |
| oktakosioſtl                              | eight-hundredth<br>(fem.)      | flat                     | ell1156          |
|                                           |                                | rising                   | ell1157          |
|                                           |                                | falling                  | ell1158          |
| enniakosioſtl                             | nine-hundredth<br>(fem.)       | flat                     | ell1160          |
|                                           |                                | rising                   | ell1161          |
|                                           |                                | falling                  | ell1162          |
| chilioſtl                                 | thousandth<br>(fem.)           | flat                     | ell1164          |
|                                           |                                | rising                   | ell1165          |
|                                           |                                | falling                  | ell1166          |
| ekatommirioſtl                            | millionth<br>(fem.)            | flat                     | ell1168          |
|                                           |                                | rising                   | ell1169          |
|                                           |                                | falling                  | ell1170          |
| dhisekatommirioſtl                        | billionth<br>(fem.)            | flat                     | ell1172          |
|                                           |                                | rising                   | ell1173          |
|                                           |                                | falling                  | ell1174          |
| dhEkatos                                  | teenth<br>(for 13 - 19(masc.)) | flat                     | ell1176          |
|                                           |                                | rising                   | ell1177          |
|                                           |                                | falling                  | ell1178          |
| dhEkati                                   | teenth<br>(for 13 - 19 (fem.)) | flat                     | ell1180          |
|                                           |                                | rising                   | ell1181          |
|                                           |                                | falling                  | ell1182          |

**Greek audio (Sheet 33 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b>                   | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------------------------|--------------------------|------------------|
| dhEkato                                   | teenth<br>(for 13 - 19 (neuter)) | flat                     | ell1184          |
|                                           |                                  | rising                   | ell1185          |
|                                           |                                  | falling                  | ell1186          |
| prOto                                     | first<br>(neuter)                | flat                     | ell1500          |
|                                           |                                  | rising                   | ell1501          |
|                                           |                                  | falling                  | ell1502          |
| dhEftero                                  | second<br>(neuter)               | flat                     | ell1504          |
|                                           |                                  | rising                   | ell1505          |
|                                           |                                  | falling                  | ell1506          |
| trIto                                     | third<br>(neuter)                | flat                     | ell1508          |
|                                           |                                  | rising                   | ell1509          |
|                                           |                                  | falling                  | ell1510          |
| tEtarto                                   | fourth<br>(neuter)               | flat                     | ell1512          |
|                                           |                                  | rising                   | ell1513          |
|                                           |                                  | falling                  | ell1514          |
| pEmpto                                    | fifth<br>(neuter)                | flat                     | ell1516          |
|                                           |                                  | rising                   | ell1517          |
|                                           |                                  | falling                  | ell1518          |
| Ekto                                      | sixth<br>(neuter)                | flat                     | ell1520          |
|                                           |                                  | rising                   | ell1521          |
|                                           |                                  | falling                  | ell1522          |
| Evdhomo                                   | seventh<br>(neuter)              | flat                     | ell1524          |
|                                           |                                  | rising                   | ell1525          |
|                                           |                                  | falling                  | ell1526          |
| Oghdhoo                                   | eighth<br>(neuter)               | flat                     | ell1528          |
|                                           |                                  | rising                   | ell1529          |
|                                           |                                  | falling                  | ell1530          |

**Greek audio (Sheet 34 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|-----------------------|--------------------------|------------------|
| Enato                                     | ninth<br>(neuter)     | flat                     | ell1532          |
|                                           |                       | rising                   | ell1533          |
|                                           |                       | falling                  | ell1534          |
| dhEkato                                   | tenth<br>(neuter)     | flat                     | ell1536          |
|                                           |                       | rising                   | ell1537          |
|                                           |                       | falling                  | ell1538          |
| endhEkato                                 | eleventh<br>(neuter)  | flat                     | ell1540          |
|                                           |                       | rising                   | ell1541          |
|                                           |                       | falling                  | ell1542          |
| dhodhEkato                                | twelfth<br>(neuter)   | flat                     | ell1544          |
|                                           |                       | rising                   | ell1545          |
|                                           |                       | falling                  | ell1546          |
| eikostO                                   | twentieth<br>(neuter) | flat                     | ell1548          |
|                                           |                       | rising                   | ell1549          |
|                                           |                       | falling                  | ell1550          |
| triakostO                                 | thirtieth<br>(neuter) | flat                     | ell1552          |
|                                           |                       | rising                   | ell1553          |
|                                           |                       | falling                  | ell1554          |
| tessarakostO                              | fortieth<br>(neuter)  | flat                     | ell1556          |
|                                           |                       | rising                   | ell1557          |
|                                           |                       | falling                  | ell1558          |
| pentikostO                                | fiftieth<br>(neuter)  | flat                     | ell1560          |
|                                           |                       | rising                   | ell1561          |
|                                           |                       | falling                  | ell1562          |
| eksikostO                                 | sixtieth<br>(neuter)  | flat                     | ell1564          |
|                                           |                       | rising                   | ell1565          |
|                                           |                       | falling                  | ell1566          |

**Greek audio (Sheet 35 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b>              | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|-----------------------------|--------------------------|------------------|
| evdhomikostO                              | seventieth<br>(neuter)      | flat                     | ell1568          |
|                                           |                             | rising                   | ell1569          |
|                                           |                             | falling                  | ell1570          |
| oghdhoikostO                              | eightieth<br>(neuter)       | flat                     | ell1572          |
|                                           |                             | rising                   | ell1573          |
|                                           |                             | falling                  | ell1574          |
| enenikostO                                | ninetieth<br>(neuter)       | flat                     | ell1576          |
|                                           |                             | rising                   | ell1577          |
|                                           |                             | falling                  | ell1578          |
| ekatostO                                  | one-hundredth<br>(neuter)   | flat                     | ell1580          |
|                                           |                             | rising                   | ell1581          |
|                                           |                             | falling                  | ell1582          |
| dhiakosiosO                               | two-hundredth<br>(neuter)   | flat                     | ell1584          |
|                                           |                             | rising                   | ell1585          |
|                                           |                             | falling                  | ell1586          |
| triakosiosO                               | three-hundredth<br>(neuter) | flat                     | ell1588          |
|                                           |                             | rising                   | ell1589          |
|                                           |                             | falling                  | ell1590          |
| tetrakosiosO                              | four-hundredth<br>(neuter)  | flat                     | ell1592          |
|                                           |                             | rising                   | ell1593          |
|                                           |                             | falling                  | ell1594          |
| pentakosiosO                              | five-hundredth<br>(neuter)  | flat                     | ell1596          |
|                                           |                             | rising                   | ell1597          |
|                                           |                             | falling                  | ell1598          |
| eksakosiosO                               | six-hundredth<br>(neuter)   | flat                     | ell1600          |
|                                           |                             | rising                   | ell1601          |
|                                           |                             | falling                  | ell1602          |

**Greek audio (Sheet 36 of 36)**

| <b>Greek phrase or English equivalent</b> | <b>English</b>              | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|-----------------------------|--------------------------|------------------|
| eptakosioſtO                              | seven-hundredth<br>(neuter) | flat                     | ell1604          |
|                                           |                             | rising                   | ell1605          |
|                                           |                             | falling                  | ell1606          |
| oktakosioſtO                              | eight-hundredth<br>(neuter) | flat                     | ell1608          |
|                                           |                             | rising                   | ell1609          |
|                                           |                             | falling                  | ell1610          |
| enniakosioſtO                             | nine-hundredth<br>(neuter)  | flat                     | ell1612          |
|                                           |                             | rising                   | ell1613          |
|                                           |                             | falling                  | ell1614          |
| chilioſtO                                 | thousandth<br>(neuter)      | flat                     | ell1616          |
|                                           |                             | rising                   | ell1617          |
|                                           |                             | falling                  | ell1618          |
| ekatommirioſtO                            | millionth<br>(neuter)       | flat                     | ell1620          |
|                                           |                             | rising                   | ell1621          |
|                                           |                             | falling                  | ell1622          |
| dhisekatommirioſtO                        | billionth<br>(neuter)       | flat                     | ell1624          |
|                                           |                             | rising                   | ell1625          |
|                                           |                             | falling                  | ell1626          |

## Hebrew audio files

**Note 1:** Only record audio file names heb 1216-heb1278 and heb 1312-heb 4070 if the user provisions audio files for this currency.

**Note 2:** Audio files names heb 508-heb 610 are used for strings functionality. Recording of this audio is optional and the content of the recording can be any word.

### Hebrew audio (Sheet 1 of 29)

| Hebrew phrase or English equivalent | English | Phrase intonation | File name |
|-------------------------------------|---------|-------------------|-----------|
| efes                                | zero    | flat              | heb0      |
|                                     |         | rising            | heb1      |
|                                     |         | falling           | heb2      |
| ekhad                               | one     | flat              | heb8      |
|                                     |         | rising            | heb9      |
|                                     |         | falling           | heb10     |
| shna'yeem                           | two     | flat              | heb12     |
|                                     |         | rising            | heb13     |
|                                     |         | falling           | heb14     |
| shlosa                              | three   | flat              | heb16     |
|                                     |         | rising            | heb17     |
|                                     |         | falling           | heb18     |
| arba'a                              | four    | flat              | heb20     |
|                                     |         | rising            | heb21     |
|                                     |         | falling           | heb22     |
| khamisha                            | five    | flat              | heb24     |
|                                     |         | rising            | heb25     |
|                                     |         | falling           | heb26     |

**Hebrew audio (Sheet 2 of 29)**

| Hebrew phrase or English equivalent | English  | Phrase intonation | File name |
|-------------------------------------|----------|-------------------|-----------|
| sheesha                             | six      | flat              | heb28     |
|                                     |          | rising            | heb29     |
|                                     |          | falling           | heb30     |
| sheev'a                             | seven    | flat              | heb32     |
|                                     |          | rising            | heb33     |
|                                     |          | falling           | heb34     |
| shmona                              | eight    | flat              | heb36     |
|                                     |          | rising            | heb37     |
|                                     |          | falling           | heb38     |
| teesh'a                             | nine     | flat              | heb40     |
|                                     |          | rising            | heb41     |
|                                     |          | falling           | heb42     |
| asarah                              | ten      | flat              | heb56     |
|                                     |          | rising            | heb57     |
|                                     |          | falling           | heb58     |
| akhad asar                          | eleven   | flat              | heb60     |
|                                     |          | rising            | heb61     |
|                                     |          | falling           | heb62     |
| shnaym asar                         | twelve   | flat              | heb64     |
|                                     |          | rising            | heb65     |
|                                     |          | falling           | heb66     |
| shlosa asar                         | thirteen | flat              | heb68     |
|                                     |          | rising            | heb69     |
|                                     |          | falling           | heb70     |
| arba'a asar                         | fourteen | flat              | heb72     |
|                                     |          | rising            | heb73     |
|                                     |          | falling           | heb74     |

**Hebrew audio (Sheet 3 of 29)**

| <b>Hebrew phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| khamisha asar                              | fifteen        | flat                     | heb76            |
|                                            |                | rising                   | heb77            |
|                                            |                | falling                  | heb78            |
| shisha asar                                | sixteen        | flat                     | heb80            |
|                                            |                | rising                   | heb81            |
|                                            |                | falling                  | heb82            |
| sheev'a asar                               | seventeen      | flat                     | heb84            |
|                                            |                | rising                   | heb85            |
|                                            |                | falling                  | heb86            |
| shmona asar                                | eighteen       | flat                     | heb88            |
|                                            |                | rising                   | heb89            |
|                                            |                | falling                  | heb90            |
| teesh'a asar                               | nineteen       | flat                     | heb92            |
|                                            |                | rising                   | heb93            |
|                                            |                | falling                  | heb94            |
| esreem                                     | twenty         | flat                     | heb96            |
|                                            |                | rising                   | heb97            |
|                                            |                | falling                  | heb98            |
| shlosheem                                  | thirty         | flat                     | heb100           |
|                                            |                | rising                   | heb101           |
|                                            |                | falling                  | heb102           |
| arba'eem                                   | forty          | flat                     | heb104           |
|                                            |                | rising                   | heb105           |
|                                            |                | falling                  | heb106           |
| khameesheem                                | fifty          | flat                     | heb108           |
|                                            |                | rising                   | heb109           |
|                                            |                | falling                  | heb110           |



**Hebrew audio (Sheet 4 of 29)**

| <b>Hebrew phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| sheesheem                                  | sixty          | flat                     | heb112           |
|                                            |                | rising                   | heb113           |
|                                            |                | falling                  | heb114           |
| sheeveem                                   | seventy        | flat                     | heb116           |
|                                            |                | rising                   | heb117           |
|                                            |                | falling                  | heb118           |
| shmoneem                                   | eighty         | flat                     | heb120           |
|                                            |                | rising                   | heb121           |
|                                            |                | falling                  | heb122           |
| teesh'eem                                  | ninety         | flat                     | heb124           |
|                                            |                | rising                   | heb125           |
|                                            |                | falling                  | heb126           |
| may'a                                      | one-hundred    | flat                     | heb132           |
|                                            |                | rising                   | heb133           |
|                                            |                | falling                  | heb134           |
| mata'yeem                                  | two-hundred    | flat                     | heb136           |
|                                            |                | rising                   | heb137           |
|                                            |                | falling                  | heb138           |
| shlosh may'ot                              | three-hundred  | flat                     | heb140           |
|                                            |                | rising                   | heb141           |
|                                            |                | falling                  | heb142           |
| arba may'ot                                | four-hundred   | flat                     | heb144           |
|                                            |                | rising                   | heb145           |
|                                            |                | falling                  | heb146           |
| khamaysh may'ot                            | five-hundred   | flat                     | heb148           |
|                                            |                | rising                   | heb149           |
|                                            |                | falling                  | heb150           |

**Hebrew audio (Sheet 5 of 29)**

| <b>Hebrew phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| shaysh may'ot                              | six-hundred    | flat                     | heb152           |
|                                            |                | rising                   | heb153           |
|                                            |                | falling                  | heb154           |
| shva may'ot                                | seven-hundred  | flat                     | heb156           |
|                                            |                | rising                   | heb157           |
|                                            |                | falling                  | heb158           |
| shmone may'ot                              | eight-hundred  | flat                     | heb160           |
|                                            |                | rising                   | heb161           |
|                                            |                | falling                  | heb162           |
| tsha may'ot                                | nine-hundred   | flat                     | heb164           |
|                                            |                | rising                   | heb165           |
|                                            |                | falling                  | heb166           |
| alpa'yim                                   | two-thousand   | flat                     | heb176           |
|                                            |                | rising                   | heb177           |
|                                            |                | falling                  | heb178           |
| shloshet alafim                            | three-thousand | flat                     | heb180           |
|                                            |                | rising                   | heb181           |
|                                            |                | falling                  | heb182           |
| arba'at alafim                             | four-thousand  | flat                     | heb184           |
|                                            |                | rising                   | heb185           |
|                                            |                | falling                  | heb186           |
| khamayshet alafim                          | five-thousand  | flat                     | heb188           |
|                                            |                | rising                   | heb189           |
|                                            |                | falling                  | heb190           |
| shayshet alafim                            | six-thousand   | flat                     | heb192           |
|                                            |                | rising                   | heb193           |
|                                            |                | falling                  | heb194           |

**Hebrew audio (Sheet 6 of 29)**

| Hebrew phrase or English equivalent | English        | Phrase intonation | File name |
|-------------------------------------|----------------|-------------------|-----------|
| sheev'at alafim                     | seven-thousand | flat              | heb196    |
|                                     |                | rising            | heb197    |
|                                     |                | falling           | heb198    |
| shmonat alafim                      | eight-thousand | flat              | heb200    |
|                                     |                | rising            | heb201    |
|                                     |                | falling           | heb202    |
| teesh'at alafim                     | nine-thousand  | flat              | heb204    |
|                                     |                | rising            | heb205    |
|                                     |                | falling           | heb206    |
| 'elef                               | thousand       | flat              | heb496    |
|                                     |                | rising            | heb497    |
|                                     |                | falling           | heb498    |
| milyon                              | million        | flat              | heb500    |
|                                     |                | rising            | heb501    |
|                                     |                | falling           | heb502    |
| milyard                             | billion        | flat              | heb504    |
|                                     |                | rising            | heb505    |
|                                     |                | falling           | heb506    |
| optional                            | a              | flat              | heb508    |
|                                     |                | rising            | heb509    |
|                                     |                | falling           | heb510    |
| optional                            | b              | flat              | heb512    |
|                                     |                | rising            | heb513    |
|                                     |                | falling           | heb514    |
| optional                            | c              | flat              | heb516    |
|                                     |                | rising            | heb517    |
|                                     |                | falling           | heb518    |

**Hebrew audio (Sheet 7 of 29)**

| Hebrew phrase or English equivalent | English | Phrase intonation | File name |
|-------------------------------------|---------|-------------------|-----------|
| optional                            | d       | flat              | heb520    |
|                                     |         | rising            | heb521    |
|                                     |         | falling           | heb522    |
| optional                            | e       | flat              | heb524    |
|                                     |         | rising            | heb525    |
|                                     |         | falling           | heb526    |
| optional                            | f       | flat              | heb528    |
|                                     |         | rising            | heb529    |
|                                     |         | falling           | heb530    |
| optional                            | g       | flat              | heb532    |
|                                     |         | rising            | heb533    |
|                                     |         | falling           | heb534    |
| optional                            | h       | flat              | heb536    |
|                                     |         | rising            | heb537    |
|                                     |         | falling           | heb538    |
| optional                            | i       | flat              | heb540    |
|                                     |         | rising            | heb541    |
|                                     |         | falling           | heb542    |
| optional                            | j       | flat              | heb544    |
|                                     |         | rising            | heb545    |
|                                     |         | falling           | heb546    |
| optional                            | k       | flat              | heb548    |
|                                     |         | rising            | heb549    |
|                                     |         | falling           | heb550    |
| optional                            | l       | flat              | heb552    |
|                                     |         | rising            | heb553    |
|                                     |         | falling           | heb554    |

**Hebrew audio (Sheet 8 of 29)**

| Hebrew phrase or English equivalent | English | Phrase intonation | File name |
|-------------------------------------|---------|-------------------|-----------|
| optional                            | m       | flat              | heb556    |
|                                     |         | rising            | heb557    |
|                                     |         | falling           | heb557    |
| optional                            | n       | flat              | heb560    |
|                                     |         | rising            | heb561    |
|                                     |         | falling           | heb562    |
| optional                            | o       | flat              | heb564    |
|                                     |         | rising            | heb565    |
|                                     |         | falling           | heb566    |
| optional                            | p       | flat              | heb568    |
|                                     |         | rising            | heb569    |
|                                     |         | falling           | heb570    |
| optional                            | q       | flat              | heb572    |
|                                     |         | rising            | heb573    |
|                                     |         | falling           | heb574    |
| optional                            | r       | flat              | heb576    |
|                                     |         | rising            | heb577    |
|                                     |         | falling           | heb578    |
| optional                            | s       | flat              | heb580    |
|                                     |         | rising            | heb581    |
|                                     |         | falling           | heb582    |
| optional                            | t       | flat              | heb584    |
|                                     |         | rising            | heb585    |
|                                     |         | falling           | heb586    |
| optional                            | u       | flat              | heb588    |
|                                     |         | rising            | heb5589   |
|                                     |         | falling           | heb590    |

**Hebrew audio (Sheet 9 of 29)**

| Hebrew phrase or English equivalent | English  | Phrase intonation | File name |
|-------------------------------------|----------|-------------------|-----------|
| optional                            | v        | flat              | heb592    |
|                                     |          | rising            | heb593    |
|                                     |          | falling           | heb594    |
| optional                            | w        | flat              | heb596    |
|                                     |          | rising            | heb597    |
|                                     |          | falling           | heb598    |
| optional                            | x        | flat              | heb600    |
|                                     |          | rising            | heb601    |
|                                     |          | falling           | heb602    |
| optional                            | y        | flat              | heb604    |
|                                     |          | rising            | heb605    |
|                                     |          | falling           | heb606    |
| optional                            | z        | flat              | heb608    |
|                                     |          | rising            | heb609    |
|                                     |          | falling           | heb610    |
| meenoos                             | negative | flat              | heb616    |
|                                     |          | rising            | heb617    |
|                                     |          | falling           | heb618    |
| ve                                  | and      | flat              | heb620    |
|                                     |          | rising            | heb621    |
|                                     |          | falling           | heb622    |
| sha'a                               | hour     | flat              | heb624    |
|                                     |          | rising            | heb625    |
|                                     |          | falling           | heb626    |
| sha'ot                              | hours    | flat              | heb628    |
|                                     |          | rising            | heb629    |
|                                     |          | falling           | heb630    |

**Hebrew audio (Sheet 10 of 29)**

| <b>Hebrew phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| daka                                       | minute         | flat                     | heb632           |
|                                            |                | rising                   | heb633           |
|                                            |                | falling                  | heb634           |
| dakot                                      | minutes        | flat                     | heb636           |
|                                            |                | rising                   | heb637           |
|                                            |                | falling                  | heb638           |
| shneeya                                    | second         | flat                     | heb640           |
|                                            |                | rising                   | heb641           |
|                                            |                | falling                  | heb642           |
| shneeyot                                   | seconds        | flat                     | heb644           |
|                                            |                | rising                   | heb645           |
|                                            |                | falling                  | heb646           |
| yanoor'ar                                  | January        | flat                     | heb648           |
|                                            |                | rising                   | heb649           |
|                                            |                | falling                  | heb650           |
| febboo'ar                                  | February       | flat                     | heb652           |
|                                            |                | rising                   | heb653           |
|                                            |                | falling                  | heb654           |
| mars                                       | March          | flat                     | heb656           |
|                                            |                | rising                   | heb657           |
|                                            |                | falling                  | heb658           |
| april                                      | April          | flat                     | heb660           |
|                                            |                | rising                   | heb661           |
|                                            |                | falling                  | heb662           |
| ma'i                                       | May            | flat                     | heb664           |
|                                            |                | rising                   | heb665           |
|                                            |                | falling                  | heb666           |

**Hebrew audio (Sheet 11 of 29)**

| <b>Hebrew phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| yoonee                                     | June           | flat                     | heb668           |
|                                            |                | rising                   | heb669           |
|                                            |                | falling                  | heb670           |
| yoolee                                     | July           | flat                     | heb672           |
|                                            |                | rising                   | heb673           |
|                                            |                | falling                  | heb674           |
| agoost                                     | August         | flat                     | heb676           |
|                                            |                | rising                   | heb677           |
|                                            |                | falling                  | heb678           |
| september                                  | September      | flat                     | heb680           |
|                                            |                | rising                   | heb681           |
|                                            |                | falling                  | heb682           |
| aktober                                    | October        | flat                     | heb684           |
|                                            |                | rising                   | heb685           |
|                                            |                | falling                  | heb686           |
| november                                   | November       | flat                     | heb688           |
|                                            |                | rising                   | heb689           |
|                                            |                | falling                  | heb690           |
| daytzember                                 | December       | flat                     | heb692           |
|                                            |                | rising                   | heb693           |
|                                            |                | falling                  | heb694           |
| yom reeshon                                | Sunday         | flat                     | heb696           |
|                                            |                | rising                   | heb697           |
|                                            |                | falling                  | heb698           |
| yom shayni                                 | Monday         | flat                     | heb700           |
|                                            |                | rising                   | heb701           |
|                                            |                | falling                  | heb702           |



**Hebrew audio (Sheet 12 of 29)**

| <b>Hebrew phrase or English equivalent</b> | <b>English</b>    | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|-------------------|--------------------------|------------------|
| yom shleeshee                              | Tuesday           | flat                     | heb704           |
|                                            |                   | rising                   | heb705           |
|                                            |                   | falling                  | heb706           |
| yom reeve'ee                               | Wednesday         | flat                     | heb708           |
|                                            |                   | rising                   | heb709           |
|                                            |                   | falling                  | heb710           |
| yom khameeshee                             | Thursday          | flat                     | heb712           |
|                                            |                   | rising                   | heb713           |
|                                            |                   | falling                  | heb714           |
| yom sheeshee                               | Friday            | flat                     | heb716           |
|                                            |                   | rising                   | heb717           |
|                                            |                   | falling                  | heb718           |
| yom shabbat                                | Saturday          | flat                     | heb720           |
|                                            |                   | rising                   | heb721           |
|                                            |                   | falling                  | heb722           |
| ha-reeshon                                 | first<br>(masc.)  | flat                     | heb728           |
|                                            |                   | rising                   | heb729           |
|                                            |                   | falling                  | heb730           |
| ha-shaynee                                 | second<br>(masc.) | flat                     | heb732           |
|                                            |                   | rising                   | heb733           |
|                                            |                   | falling                  | heb734           |
| ha-shleeshee                               | third<br>(masc.)  | flat                     | heb736           |
|                                            |                   | rising                   | heb737           |
|                                            |                   | falling                  | heb738           |
| ha-reeve'ee                                | fourth<br>(masc.) | flat                     | heb740           |
|                                            |                   | rising                   | heb741           |
|                                            |                   | falling                  | heb742           |

**Hebrew audio (Sheet 13 of 29)**

| <b>Hebrew phrase or English equivalent</b> | <b>English</b>     | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|--------------------|--------------------------|------------------|
| ha-khameeshee                              | fifth<br>(masc.)   | flat                     | heb744           |
|                                            |                    | rising                   | heb745           |
|                                            |                    | falling                  | heb746           |
| ha-sheeshee                                | sixth<br>(masc.)   | flat                     | heb748           |
|                                            |                    | rising                   | heb749           |
|                                            |                    | falling                  | heb750           |
| ha-shvee'ee                                | seventh<br>(masc.) | flat                     | heb752           |
|                                            |                    | rising                   | heb753           |
|                                            |                    | falling                  | heb754           |
| ha-shmeenee                                | eighth<br>(masc.)  | flat                     | heb756           |
|                                            |                    | rising                   | heb757           |
|                                            |                    | falling                  | heb758           |
| ha-tshee'ee                                | ninth<br>(masc.)   | flat                     | heb760           |
|                                            |                    | rising                   | heb761           |
|                                            |                    | falling                  | heb762           |
| ha-aseeree                                 | tenth<br>(masc.)   | flat                     | heb764           |
|                                            |                    | rising                   | heb765           |
|                                            |                    | falling                  | heb766           |
| ha-me'ah                                   | one-hundreth       | flat                     | heb836           |
|                                            |                    | rising                   | heb837           |
|                                            |                    | falling                  | heb838           |
| soolameet                                  | pound sign<br>(#)  | flat                     | heb896           |
|                                            |                    | rising                   | heb897           |
|                                            |                    | falling                  | heb898           |
| kokhaveet                                  | asterisk<br>(*)    | flat                     | heb900           |
|                                            |                    | rising                   | heb901           |
|                                            |                    | falling                  | heb902           |

**Hebrew audio (Sheet 14 of 29)**

| <b>Hebrew phrase or English equivalent</b> | <b>English</b>     | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|--------------------|--------------------------|------------------|
| ba-boker                                   | a.m                | flat                     | heb908           |
|                                            | (6 a.m. - 11 a.m.) | rising                   | heb909           |
|                                            |                    | falling                  | heb910           |
| akhar ha-tzahara'yim                       | p.m                | flat                     | heb912           |
|                                            | (1 p.m. - 5 p.m.)  | rising                   | heb913           |
|                                            |                    | falling                  | heb914           |
| dolar                                      | dollar             | flat                     | heb1200          |
|                                            | (US)               | rising                   | heb1201          |
|                                            |                    | falling                  | heb1202          |
| do'lareem                                  | dollars            | flat                     | heb1204          |
|                                            | (US)               | rising                   | heb1205          |
|                                            |                    | falling                  | heb1206          |
| sent                                       | cent               | flat                     | heb1208          |
|                                            | (US)               | rising                   | heb1209          |
|                                            |                    | falling                  | heb1210          |
| sent                                       | cents              | flat                     | heb1212          |
|                                            | (US)               | rising                   | heb1213          |
|                                            |                    | falling                  | heb1214          |
| mark                                       | mark               | flat                     | heb1216          |
|                                            | (Germany)          | rising                   | heb1217          |
|                                            |                    | falling                  | heb1218          |
| marks                                      | marks              | flat                     | heb1220          |
|                                            | (Germany)          | rising                   | heb1221          |
|                                            |                    | falling                  | heb1222          |
| pfennig                                    | pfennig            | flat                     | heb1224          |
|                                            | (Germany)          | rising                   | heb1225          |
|                                            |                    | falling                  | heb1226          |

**Hebrew audio (Sheet 15 of 29)**

| <b>Hebrew phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|---------------------------|--------------------------|------------------|
| pfennigs                                   | pfennigs<br>(Germany)     | flat                     | heb1228          |
|                                            |                           | rising                   | heb1229          |
|                                            |                           | falling                  | heb1230          |
| yen                                        | yen<br>(Japan)            | flat                     | heb1232          |
|                                            |                           | rising                   | heb1233          |
|                                            |                           | falling                  | heb1234          |
| yens                                       | yens<br>(Japan)           | flat                     | heb1236          |
|                                            |                           | rising                   | heb1237          |
|                                            |                           | falling                  | heb1238          |
| lira                                       | lira<br>(Italy)           | flat                     | heb1240          |
|                                            |                           | rising                   | heb1241          |
|                                            |                           | falling                  | heb1242          |
| lire                                       | liras<br>(Italy)          | flat                     | heb1244          |
|                                            |                           | rising                   | heb1245          |
|                                            |                           | falling                  | heb1246          |
| guilder                                    | guilder<br>(Netherlands)  | flat                     | heb1248          |
|                                            |                           | rising                   | heb1249          |
|                                            |                           | falling                  | heb1250          |
| guilders                                   | guilders<br>(Netherlands) | flat                     | heb1252          |
|                                            |                           | rising                   | heb1253          |
|                                            |                           | falling                  | heb1254          |
| cent                                       | cent<br>(Netherlands)     | flat                     | heb1256          |
|                                            |                           | rising                   | heb1257          |
|                                            |                           | falling                  | heb1258          |
| cent                                       | cents<br>(Netherlands)    | flat                     | heb1260          |
|                                            |                           | rising                   | heb1261          |
|                                            |                           | falling                  | heb1262          |

**Hebrew audio (Sheet 16 of 29)**

| <b>Hebrew phrase or English equivalent</b> | <b>English</b>      | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|---------------------|--------------------------|------------------|
| pound                                      | pound<br>(UK)       | flat                     | heb1264          |
|                                            |                     | rising                   | heb1265          |
|                                            |                     | falling                  | heb1266          |
| pounds                                     | pounds<br>(UK)      | flat                     | heb1268          |
|                                            |                     | rising                   | heb1269          |
|                                            |                     | falling                  | heb1270          |
| penny                                      | penny<br>(UK)       | flat                     | heb1272          |
|                                            |                     | rising                   | heb1273          |
|                                            |                     | falling                  | heb1274          |
| pence                                      | pence<br>(UK)       | flat                     | heb1276          |
|                                            |                     | rising                   | heb1277          |
|                                            |                     | falling                  | heb1278          |
| ayro                                       | euro<br>(Euro)      | flat                     | heb1280          |
|                                            |                     | rising                   | heb1281          |
|                                            |                     | falling                  | heb1282          |
| ayro                                       | euros<br>(Euro)     | flat                     | heb1284          |
|                                            |                     | rising                   | heb1285          |
|                                            |                     | falling                  | heb1286          |
| sent ayro                                  | eurocent<br>(Euro)  | flat                     | heb1288          |
|                                            |                     | rising                   | heb1289          |
|                                            |                     | falling                  | heb1290          |
| sent ayro                                  | eurocents<br>(Euro) | flat                     | heb1292          |
|                                            |                     | rising                   | heb1293          |
|                                            |                     | falling                  | heb1294          |
| frank                                      | franc<br>(France)   | flat                     | heb1296          |
|                                            |                     | rising                   | heb1297          |
|                                            |                     | falling                  | heb1298          |

**Hebrew audio (Sheet 17 of 29)**

| <b>Hebrew phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|---------------------------|--------------------------|------------------|
| frankeem                                   | francs<br>(France)        | flat                     | heb1300          |
|                                            |                           | rising                   | heb1301          |
|                                            |                           | falling                  | heb1302          |
| senteem                                    | centime<br>(France)       | flat                     | heb1304          |
|                                            |                           | rising                   | heb1305          |
|                                            |                           | falling                  | heb1306          |
| senteemeem                                 | centimes<br>(France)      | flat                     | heb1308          |
|                                            |                           | rising                   | heb1309          |
|                                            |                           | falling                  | heb1310          |
| peseta                                     | peseta<br>(Spain)         | flat                     | heb1312          |
|                                            |                           | rising                   | heb1313          |
|                                            |                           | falling                  | heb1314          |
| pesetas                                    | pesetas<br>(Spain)        | flat                     | heb1316          |
|                                            |                           | rising                   | heb1317          |
|                                            |                           | falling                  | heb1318          |
| peso                                       | peso<br>(Phillipines)     | flat                     | heb1328          |
|                                            |                           | rising                   | heb1329          |
|                                            |                           | falling                  | heb1330          |
| pesos                                      | pesos<br>(Phillipines)    | flat                     | heb1332          |
|                                            |                           | rising                   | heb1333          |
|                                            |                           | falling                  | heb1334          |
| centavo                                    | centavo<br>(Phillipines)  | flat                     | heb1336          |
|                                            |                           | rising                   | heb1337          |
|                                            |                           | falling                  | heb1338          |
| centavos                                   | centavos<br>(Phillipines) | flat                     | heb1340          |
|                                            |                           | rising                   | heb1341          |
|                                            |                           | falling                  | heb1342          |

**Hebrew audio (Sheet 18 of 29)**

| Hebrew phrase or English equivalent | English                | Phrase intonation | File name |
|-------------------------------------|------------------------|-------------------|-----------|
| ringgit                             | ringgit<br>(Malaysia)  | flat              | heb1344   |
|                                     |                        | rising            | heb1345   |
|                                     |                        | falling           | heb1346   |
| ringgits                            | ringgits<br>(Malaysia) | flat              | heb1348   |
|                                     |                        | rising            | heb1349   |
|                                     |                        | falling           | heb1350   |
| sen                                 | sen<br>(Malaysia)      | flat              | heb1352   |
|                                     |                        | rising            | heb1353   |
|                                     |                        | falling           | heb1354   |
| sens                                | sens<br>(Malaysia)     | flat              | heb1356   |
|                                     |                        | rising            | heb1357   |
|                                     |                        | falling           | heb1358   |
| baht                                | baht<br>(Thailand)     | flat              | heb1360   |
|                                     |                        | rising            | heb1361   |
|                                     |                        | falling           | heb1362   |
| bahts                               | bahts<br>(Thailand)    | flat              | heb1364   |
|                                     |                        | rising            | heb1365   |
|                                     |                        | falling           | heb1366   |
| satang                              | satang<br>(Thailand)   | flat              | heb1368   |
|                                     |                        | rising            | heb1369   |
|                                     |                        | falling           | heb1370   |
| satangs                             | satangs<br>(Thailand)  | flat              | heb1372   |
|                                     |                        | rising            | heb1373   |
|                                     |                        | falling           | heb1374   |
| won                                 | won<br>(Korea)         | flat              | heb1376   |
|                                     |                        | rising            | heb1377   |
|                                     |                        | falling           | heb1378   |

**Hebrew audio (Sheet 19 of 29)**

| <b>Hebrew phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|-----------------------|--------------------------|------------------|
| wons                                       | wons<br>(Korea)       | flat                     | heb1380          |
|                                            |                       | rising                   | heb1381          |
|                                            |                       | falling                  | heb1382          |
| franc                                      | franc<br>(Belgium)    | flat                     | heb1384          |
|                                            |                       | rising                   | heb1385          |
|                                            |                       | falling                  | heb1386          |
| francs                                     | francs<br>(Belgium)   | flat                     | heb1388          |
|                                            |                       | rising                   | heb1389          |
|                                            |                       | falling                  | heb1390          |
| centime                                    | centime<br>(Belgium)  | flat                     | heb1392          |
|                                            |                       | rising                   | heb1393          |
|                                            |                       | falling                  | heb1394          |
| centimes                                   | centimes<br>(Belgium) | flat                     | heb1396          |
|                                            |                       | rising                   | heb1397          |
|                                            |                       | falling                  | heb1398          |
| dollar                                     | dollar<br>(Canada)    | flat                     | heb1400          |
|                                            |                       | rising                   | heb1401          |
|                                            |                       | falling                  | heb1402          |
| dollars                                    | dollars<br>(Canada)   | flat                     | heb1404          |
|                                            |                       | rising                   | heb1405          |
|                                            |                       | falling                  | heb1406          |
| cent                                       | cent<br>(Canada)      | flat                     | heb1408          |
|                                            |                       | rising                   | heb1409          |
|                                            |                       | falling                  | heb1410          |
| cents                                      | cents<br>(Canada)     | flat                     | heb1412          |
|                                            |                       | rising                   | heb1413          |
|                                            |                       | falling                  | heb1414          |



**Hebrew audio (Sheet 20 of 29)**

| <b>Hebrew phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|------------------------|--------------------------|------------------|
| dollar                                     | dollar<br>(Hong Kong)  | flat                     | heb1416          |
|                                            |                        | rising                   | heb1417          |
|                                            |                        | falling                  | heb1418          |
| dollars                                    | dollars<br>(Hong Kong) | flat                     | heb1420          |
|                                            |                        | rising                   | heb1421          |
|                                            |                        | falling                  | heb1422          |
| cent                                       | cent<br>(Hong Kong)    | flat                     | heb1424          |
|                                            |                        | rising                   | heb1425          |
|                                            |                        | falling                  | heb1426          |
| cents                                      | cents<br>(Hong Kong)   | flat                     | heb1428          |
|                                            |                        | rising                   | heb1429          |
|                                            |                        | falling                  | heb1430          |
| gok                                        | gok<br>(Hong Kong)     | flat                     | heb1488          |
|                                            |                        | rising                   | heb1489          |
|                                            |                        | falling                  | heb1490          |
| Goks                                       | goks<br>(Hong Kong)    | flat                     | heb1492          |
|                                            |                        | rising                   | heb1493          |
|                                            |                        | falling                  | heb1494          |
| escudo                                     | escudo<br>(Portugal)   | flat                     | heb1432          |
|                                            |                        | rising                   | heb1433          |
|                                            |                        | falling                  | heb1434          |
| escudos                                    | escudos<br>(Portugal)  | flat                     | heb1436          |
|                                            |                        | rising                   | heb1437          |
|                                            |                        | falling                  | heb1438          |
| centavo                                    | centavo<br>(Portugal)  | flat                     | heb1440          |
|                                            |                        | rising                   | heb1441          |
|                                            |                        | falling                  | heb1442          |

**Hebrew audio (Sheet 21 of 29)**

| <b>Hebrew phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|------------------------|--------------------------|------------------|
| centavos                                   | centavos<br>(Portugal) | flat                     | heb1444          |
|                                            |                        | rising                   | heb1445          |
|                                            |                        | falling                  | heb1446          |
| yuan                                       | yuan<br>(China)        | flat                     | heb1448          |
|                                            |                        | rising                   | heb1449          |
|                                            |                        | falling                  | heb1450          |
| yuans                                      | yuans<br>(China)       | flat                     | heb1452          |
|                                            |                        | rising                   | heb1453          |
|                                            |                        | falling                  | heb1454          |
| jiao                                       | jiao<br>(China)        | flat                     | heb1456          |
|                                            |                        | rising                   | heb1457          |
|                                            |                        | falling                  | heb1458          |
| jiaos                                      | jiaos<br>(China)       | flat                     | heb1460          |
|                                            |                        | rising                   | heb1461          |
|                                            |                        | falling                  | heb1462          |
| fen                                        | fen<br>(China)         | flat                     | heb1464          |
|                                            |                        | rising                   | heb1465          |
|                                            |                        | falling                  | heb1466          |
| fens                                       | fens<br>(China)        | flat                     | heb1468          |
|                                            |                        | rising                   | heb1469          |
|                                            |                        | falling                  | heb1470          |
| pound                                      | pound<br>(Ireland)     | flat                     | heb1472          |
|                                            |                        | rising                   | heb1473          |
|                                            |                        | falling                  | heb1474          |
| pounds                                     | pounds<br>(Ireland)    | flat                     | heb1476          |
|                                            |                        | rising                   | heb1477          |
|                                            |                        | falling                  | heb1478          |

**Hebrew audio (Sheet 22 of 29)**

| <b>Hebrew phrase or English equivalent</b> | <b>English</b>      | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|---------------------|--------------------------|------------------|
| penny                                      | penny<br>(Ireland)  | flat                     | heb1480          |
|                                            |                     | rising                   | heb1481          |
|                                            |                     | falling                  | heb1482          |
| pence                                      | pence<br>(Ireland)  | flat                     | heb1484          |
|                                            |                     | rising                   | heb1485          |
|                                            |                     | falling                  | heb1486          |
| shekel                                     | shekel<br>(Israel)  | flat                     | heb4000          |
|                                            |                     | rising                   | heb4001          |
|                                            |                     | falling                  | heb4002          |
| shekeleem                                  | shekels<br>(Israel) | flat                     | heb4004          |
|                                            |                     | rising                   | heb4005          |
|                                            |                     | falling                  | heb4006          |
| agoro                                      | agoro<br>(Israel)   | flat                     | heb4008          |
|                                            |                     | rising                   | heb4009          |
|                                            |                     | falling                  | heb4010          |
| agorot                                     | agoros<br>(Israel)  | flat                     | heb4012          |
|                                            |                     | rising                   | heb4013          |
|                                            |                     | falling                  | heb4014          |
| koruna                                     | koruna<br>(Czech)   | flat                     | heb4016          |
|                                            |                     | rising                   | heb4017          |
|                                            |                     | falling                  | heb4018          |
| korunas                                    | korunas<br>(Czech)  | flat                     | heb4020          |
|                                            |                     | rising                   | heb4021          |
|                                            |                     | falling                  | heb4022          |
| haleru                                     | haleru<br>(Czech)   | flat                     | heb4024          |
|                                            |                     | rising                   | heb4025          |
|                                            |                     | falling                  | heb1426          |

**Hebrew audio (Sheet 23 of 29)**

| <b>Hebrew phrase or English equivalent</b> | <b>English</b>       | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------------|--------------------------|------------------|
| halerus                                    | halerus<br>(Czech)   | flat                     | heb4028          |
|                                            |                      | rising                   | heb4029          |
|                                            |                      | falling                  | heb4030          |
| lira                                       | lira<br>(Turkey)     | flat                     | heb4032          |
|                                            |                      | rising                   | heb4033          |
|                                            |                      | falling                  | heb4034          |
| lire                                       | lire<br>(Turkey)     | flat                     | heb4036          |
|                                            |                      | rising                   | heb4037          |
|                                            |                      | falling                  | heb4038          |
| drachma                                    | drachma<br>(Greece)  | flat                     | heb4040          |
|                                            |                      | rising                   | heb4041          |
|                                            |                      | falling                  | heb4042          |
| drachmas                                   | drachmas<br>(Greece) | flat                     | heb4044          |
|                                            |                      | rising                   | heb4045          |
|                                            |                      | falling                  | heb4046          |
| dong                                       | dong<br>(Vietnam)    | flat                     | heb4048          |
|                                            |                      | rising                   | heb4049          |
|                                            |                      | falling                  | heb4050          |
| dongs                                      | dongs<br>(Vietnam)   | flat                     | heb4052          |
|                                            |                      | rising                   | heb4053          |
|                                            |                      | falling                  | heb4054          |
| rupee                                      | rupee<br>(India)     | flat                     | heb4056          |
|                                            |                      | rising                   | heb4057          |
|                                            |                      | falling                  | heb4058          |
| rupees                                     | rupees<br>(India)    | flat                     | heb4060          |
|                                            |                      | rising                   | heb4061          |
|                                            |                      | falling                  | heb4062          |

**Hebrew audio (Sheet 24 of 29)**

| Hebrew phrase or English equivalent | English           | Phrase intonation | File name |
|-------------------------------------|-------------------|-------------------|-----------|
| paisa                               | paisa<br>(India)  | flat              | heb4064   |
|                                     |                   | rising            | heb4065   |
|                                     |                   | falling           | heb4066   |
| paisas                              | paisas<br>(India) | flat              | heb4068   |
|                                     |                   | rising            | heb4069   |
|                                     |                   | falling           | heb4070   |
| akhat                               | one<br>(fem.)     | flat              | heb920    |
|                                     |                   | rising            | heb921    |
|                                     |                   | falling           | heb922    |
| shta'yeem                           | two<br>(fem.)     | flat              | heb924    |
|                                     |                   | rising            | heb925    |
|                                     |                   | falling           | heb926    |
| shalosh                             | three<br>(fem.)   | flat              | heb928    |
|                                     |                   | rising            | heb929    |
|                                     |                   | falling           | heb930    |
| arba                                | four<br>(fem.)    | flat              | heb932    |
|                                     |                   | rising            | heb933    |
|                                     |                   | falling           | heb934    |
| khamaysh                            | five<br>(fem.)    | flat              | heb936    |
|                                     |                   | rising            | heb937    |
|                                     |                   | falling           | heb938    |
| shaysh                              | six<br>(fem.)     | flat              | heb940    |
|                                     |                   | rising            | heb941    |
|                                     |                   | falling           | heb942    |
| sheva                               | seven<br>(fem.)   | flat              | heb944    |
|                                     |                   | rising            | heb945    |
|                                     |                   | falling           | heb946    |

**Hebrew audio (Sheet 25 of 29)**

| <b>Hebrew phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| shmone                                     | eight          | flat                     | heb948           |
|                                            | (fem.)         | rising                   | heb949           |
|                                            |                | falling                  | heb950           |
| 'taysha                                    | nine           | flat                     | heb952           |
|                                            | (fem.)         | rising                   | heb953           |
|                                            |                | falling                  | heb954           |
| 'eser                                      | ten            | flat                     | heb956           |
|                                            | (fem.)         | rising                   | heb957           |
|                                            |                | falling                  | heb958           |
| akhat esray                                | eleven         | flat                     | heb960           |
|                                            | (fem.)         | rising                   | heb961           |
|                                            |                | falling                  | heb962           |
| shtaym esray                               | twelve         | flat                     | heb964           |
|                                            | (fem.)         | rising                   | heb965           |
|                                            |                | falling                  | heb966           |
| shlosh esray                               | thirteen       | flat                     | heb968           |
|                                            | (fem.)         | rising                   | heb969           |
|                                            |                | falling                  | heb970           |
| arba esray                                 | fourteen       | flat                     | heb972           |
|                                            | (fem.)         | rising                   | heb973           |
|                                            |                | falling                  | heb974           |
| khamaysh esray                             | fifteen        | flat                     | heb976           |
|                                            | (fem.)         | rising                   | heb977           |
|                                            |                | falling                  | heb978           |
| shaysh esray                               | sixteen        | flat                     | heb980           |
|                                            | (fem.)         | rising                   | heb981           |
|                                            |                | falling                  | heb982           |

**Hebrew audio (Sheet 26 of 29)**

| Hebrew phrase or English equivalent | English             | Phrase intonation | File name |
|-------------------------------------|---------------------|-------------------|-----------|
| shva esray                          | seventeen<br>(fem.) | flat              | heb984    |
|                                     |                     | rising            | heb985    |
|                                     |                     | falling           | heb986    |
| shmone esray                        | eighteen<br>(fem.)  | flat              | heb988    |
|                                     |                     | rising            | heb989    |
|                                     |                     | falling           | heb990    |
| tsha esray                          | nineteen<br>(fem.)  | flat              | heb992    |
|                                     |                     | rising            | heb993    |
|                                     |                     | falling           | heb994    |
| ha-reeshona                         | first<br>(fem.)     | flat              | heb996    |
|                                     |                     | rising            | heb997    |
|                                     |                     | falling           | heb998    |
| ha-sheneeya                         | second<br>(fem.)    | flat              | heb1000   |
|                                     |                     | rising            | heb1001   |
|                                     |                     | falling           | heb1002   |
| ha-shleesheet                       | third<br>(fem.)     | flat              | heb1004   |
|                                     |                     | rising            | heb1005   |
|                                     |                     | falling           | heb1006   |
| ha-revee'eet                        | fourth<br>(fem.)    | flat              | heb1008   |
|                                     |                     | rising            | heb1009   |
|                                     |                     | falling           | heb1010   |
| ha-khameesheet                      | fifth<br>(fem.)     | flat              | heb1012   |
|                                     |                     | rising            | heb1013   |
|                                     |                     | falling           | heb1014   |
| ha-sheesheet                        | sixth<br>(fem.)     | flat              | heb1016   |
|                                     |                     | rising            | heb1017   |
|                                     |                     | falling           | heb1018   |

**Hebrew audio (Sheet 27 of 29)**

| <b>Hebrew phrase or English equivalent</b> | <b>English</b>                          | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|-----------------------------------------|--------------------------|------------------|
| ha-shvee'eet                               | seventh<br>(fem.)                       | flat                     | heb1020          |
|                                            |                                         | rising                   | heb1021          |
|                                            |                                         | falling                  | heb1022          |
| ha-shmeeneet                               | eighth<br>(fem.)                        | flat                     | heb1024          |
|                                            |                                         | rising                   | heb1025          |
|                                            |                                         | falling                  | heb1026          |
| ha-tshee'eet                               | ninth<br>(fem.)                         | flat                     | heb1028          |
|                                            |                                         | rising                   | heb1029          |
|                                            |                                         | falling                  | heb1030          |
| ha-aseereet                                | tenth<br>(fem.)                         | flat                     | heb1032          |
|                                            |                                         | rising                   | heb1033          |
|                                            |                                         | falling                  | heb1034          |
| oo                                         | and<br>(appearing before<br>consonant ) | flat                     | heb1036          |
|                                            |                                         | rising                   | heb1037          |
|                                            |                                         | falling                  | heb1038          |
| va                                         | and<br>(appearing before<br>consonant ) | flat                     | heb1040          |
|                                            |                                         | rising                   | heb1041          |
|                                            |                                         | falling                  | heb1042          |
| be                                         | in                                      | flat                     | heb1044          |
|                                            |                                         | rising                   | heb1045          |
|                                            |                                         | falling                  | heb1046          |
| ha                                         | rank                                    | flat                     | heb1048          |
|                                            |                                         | rising                   | heb1049          |
|                                            |                                         | falling                  | heb1050          |
| sha'atayim                                 | 2 hours                                 | flat                     | heb1052          |
|                                            |                                         | rising                   | heb1053          |
|                                            |                                         | falling                  | heb1054          |



**Hebrew audio (Sheet 28 of 29)**

| <b>Hebrew phrase or English equivalent</b> | <b>English</b>                      | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|-------------------------------------|--------------------------|------------------|
| shtay                                      | two<br>(for 2 minutes)              | flat                     | heb1056          |
|                                            |                                     | rising                   | heb1057          |
|                                            |                                     | falling                  | heb1058          |
| shnay                                      | two<br>(for 2 billion/million)      | flat                     | heb1060          |
|                                            |                                     | rising                   | heb1061          |
|                                            |                                     | falling                  | heb1062          |
| khatzot                                    | midnight                            | flat                     | heb1064          |
|                                            |                                     | rising                   | heb1065          |
|                                            |                                     | falling                  | heb1066          |
| tzahara'yim                                | noon                                | flat                     | heb1068          |
|                                            |                                     | rising                   | heb1069          |
|                                            |                                     | falling                  | heb1070          |
| lifnot boker                               | before morning<br>(1 a.m. - 5 a.m.) | flat                     | heb1072          |
|                                            |                                     | rising                   | heb1073          |
|                                            |                                     | falling                  | heb1074          |
| ba-erev                                    | in the evening<br>(6 p.m. - 8 p.m.) | flat                     | heb1076          |
|                                            |                                     | rising                   | heb1077          |
|                                            |                                     | falling                  | heb1078          |
| ba-layla                                   | in the night<br>(9 p.m. - 11 p.m.)  | flat                     | heb1080          |
|                                            |                                     | rising                   | heb1081          |
|                                            |                                     | falling                  | heb1082          |
| va-reva                                    | and quarter                         | flat                     | heb1084          |
|                                            |                                     | rising                   | heb1085          |
|                                            |                                     | falling                  | heb1086          |

**Hebrew audio (Sheet 29 of 29)**

| <b>Hebrew phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| va-khaytzi                                 | and half       | flat                     | heb1088          |
|                                            |                | rising                   | heb1089          |
|                                            |                | falling                  | heb1090          |
| aseret alafim                              | ten-thousand   | flat                     | heb1092          |
|                                            |                | rising                   | heb1093          |
|                                            |                | falling                  | heb1094          |

## Italian audio files

**Note 1:** Audio file names ita508–ita610, ita896–ita898, and ita900–ita902 are optional. Record the audio if the user provisions the strings functionality on the system.

**Note 2:** Record audio file names ita728–ita1978 if the user provisions ordinal numbers on the system.

**Note 3:** Use audio file names ita728–ita762 and ita1200–ita1278 when this number is the entire number.

**Note 4:** Use audio file names ita1856–ita1890 and ita1980–ita2014 when this number is part of a larger number.

**Note 5:** Record audio file names ita1200–ita1278 if the user provisions currency on the system.

**Note 6:** Record audio file names ita1596–ita1610 if the user provisions the 12-hour clock.

### Italian audio (Sheet 1 of 44)

| Italian phrase or English equivalent | English                     | Phrase intonation | File name |
|--------------------------------------|-----------------------------|-------------------|-----------|
| zero                                 | zero                        | flat              | ita0      |
|                                      |                             | rising            | ita1      |
|                                      |                             | falling           | ita2      |
| uno                                  | one<br>(neutral - counting) | flat              | ita8      |
|                                      |                             | rising            | ita9      |
|                                      |                             | falling           | ita10     |
| due                                  | two                         | flat              | ita12     |
|                                      |                             | rising            | ita13     |
|                                      |                             | falling           | ita14     |
| tre                                  | three                       | flat              | ita16     |
|                                      |                             | rising            | ita17     |
|                                      |                             | falling           | ita18     |

**Italian audio (Sheet 2 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| quattro                                     | four           | flat                     | ita20            |
|                                             |                | rising                   | ita21            |
|                                             |                | falling                  | ita22            |
| cinque                                      | five           | flat                     | ita24            |
|                                             |                | rising                   | ita25            |
|                                             |                | falling                  | ita26            |
| sei                                         | six            | flat                     | ita28            |
|                                             |                | rising                   | ita29            |
|                                             |                | falling                  | ita30            |
| sette                                       | seven          | flat                     | ita32            |
|                                             |                | rising                   | ita33            |
|                                             |                | falling                  | ita34            |
| otto                                        | eight          | flat                     | ita36            |
|                                             |                | rising                   | ita37            |
|                                             |                | falling                  | ita38            |
| nove                                        | nine           | flat                     | ita40            |
|                                             |                | rising                   | ita41            |
|                                             |                | falling                  | ita42            |
| dieci                                       | ten            | flat                     | ita56            |
|                                             |                | rising                   | ita57            |
|                                             |                | falling                  | ita58            |
| undici                                      | eleven         | flat                     | ita60            |
|                                             |                | rising                   | ita61            |
|                                             |                | falling                  | ita62            |
| dodici                                      | twelve         | flat                     | ita64            |
|                                             |                | rising                   | ita65            |
|                                             |                | falling                  | ita66            |

**Italian audio (Sheet 3 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| tredici                                     | thirteen       | flat                     | ita68            |
|                                             |                | rising                   | ita69            |
|                                             |                | falling                  | ita70            |
| quattordici                                 | fourteen       | flat                     | ita72            |
|                                             |                | rising                   | ita73            |
|                                             |                | falling                  | ita74            |
| quindici                                    | fifteen        | flat                     | ita76            |
|                                             |                | rising                   | ita77            |
|                                             |                | falling                  | ita78            |
| sixteen                                     | sedici         | flat                     | ita80            |
|                                             |                | rising                   | ita81            |
|                                             |                | falling                  | ita82            |
| diciassette                                 | seventeen      | flat                     | ita84            |
|                                             |                | rising                   | ita85            |
|                                             |                | falling                  | ita86            |
| diciotto                                    | eighteen       | flat                     | ita88            |
|                                             |                | rising                   | ita89            |
|                                             |                | falling                  | ita90            |
| diciannove                                  | nineteen       | flat                     | ita92            |
|                                             |                | rising                   | ita93            |
|                                             |                | falling                  | ita94            |
| venti                                       | twenty         | flat                     | ita96            |
|                                             |                | rising                   | ita97            |
|                                             |                | falling                  | ita98            |
| trenta                                      | thirty         | flat                     | ita100           |
|                                             |                | rising                   | ita101           |
|                                             |                | falling                  | ita102           |

**Italian audio (Sheet 4 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| quaranta                                    | forty          | flat                     | ita104           |
|                                             |                | rising                   | ita105           |
|                                             |                | falling                  | ita106           |
| cinquanta                                   | fifty          | flat                     | ita108           |
|                                             |                | rising                   | ita109           |
|                                             |                | falling                  | ita110           |
| sessenta                                    | sixty          | flat                     | ita112           |
|                                             |                | rising                   | ita113           |
|                                             |                | falling                  | ita114           |
| settanta                                    | seventy        | flat                     | ita116           |
|                                             |                | rising                   | ita117           |
|                                             |                | falling                  | ita118           |
| ottanta                                     | eighty         | flat                     | ita120           |
|                                             |                | rising                   | ita121           |
|                                             |                | falling                  | ita122           |
| novanta                                     | ninety         | flat                     | ita124           |
|                                             |                | rising                   | ita125           |
|                                             |                | falling                  | ita126           |
| cento                                       | one-hundred    | flat                     | ita132           |
|                                             |                | rising                   | ita133           |
|                                             |                | falling                  | ita134           |
| duecento                                    | two-hundred    | flat                     | ita136           |
|                                             |                | rising                   | ita137           |
|                                             |                | falling                  | ita138           |
| trecento                                    | three-hundred  | flat                     | ita140           |
|                                             |                | rising                   | ita141           |
|                                             |                | falling                  | ita142           |

**Italian audio (Sheet 5 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| quattrocento                                | four-hundred   | flat                     | ita144           |
|                                             |                | rising                   | ita145           |
|                                             |                | falling                  | ita146           |
| cinquecento                                 | five-hundred   | flat                     | ita148           |
|                                             |                | rising                   | ita149           |
|                                             |                | falling                  | ita150           |
| seicento                                    | six-hundred    | flat                     | ita152           |
|                                             |                | rising                   | ita153           |
|                                             |                | falling                  | ita154           |
| settecento                                  | seven-hundred  | flat                     | ita156           |
|                                             |                | rising                   | ita157           |
|                                             |                | falling                  | ita158           |
| ottocento                                   | eight-hundred  | flat                     | ita160           |
|                                             |                | rising                   | ita161           |
|                                             |                | falling                  | ita162           |
| novecento                                   | nine-hundred   | flat                     | ita164           |
|                                             |                | rising                   | ita165           |
|                                             |                | falling                  | ita166           |
| ventuno                                     | twenty-one     | flat                     | ita208           |
|                                             |                | rising                   | ita209           |
|                                             |                | falling                  | ita210           |
| ventidue                                    | twenty-two     | flat                     | ita212           |
|                                             |                | rising                   | ita213           |
|                                             |                | falling                  | ita214           |
| ventitre                                    | twenty-three   | flat                     | ita216           |
|                                             |                | rising                   | ita217           |
|                                             |                | falling                  | ita218           |

**Italian audio (Sheet 6 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| ventiquattro                                | twenty-four    | flat                     | ita220           |
|                                             |                | rising                   | ita221           |
|                                             |                | falling                  | ita222           |
| venticinque                                 | twenty-five    | flat                     | ita224           |
|                                             |                | rising                   | ita225           |
|                                             |                | falling                  | ita226           |
| ventisei                                    | twenty-six     | flat                     | ita228           |
|                                             |                | rising                   | ita229           |
|                                             |                | falling                  | ita230           |
| ventisette                                  | twenty-seven   | flat                     | ita232           |
|                                             |                | rising                   | ita233           |
|                                             |                | falling                  | ita234           |
| ventiotto                                   | twenty-eight   | flat                     | ita236           |
|                                             |                | rising                   | ita237           |
|                                             |                | falling                  | ita238           |
| ventinove                                   | twenty-nine    | flat                     | ita240           |
|                                             |                | rising                   | ita241           |
|                                             |                | falling                  | ita242           |
| trentuno                                    | thirty-one     | flat                     | ita244           |
|                                             |                | rising                   | ita245           |
|                                             |                | falling                  | ita246           |
| quarantuno                                  | forty-one      | flat                     | ita280           |
|                                             |                | rising                   | ita281           |
|                                             |                | falling                  | ita282           |
| cinquantuno                                 | fifty-one      | flat                     | ita316           |
|                                             |                | rising                   | ita317           |
|                                             |                | falling                  | ita318           |



**Italian audio (Sheet 7 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|---------------------------|--------------------------|------------------|
| sessantuno                                  | sixty-one                 | flat                     | ita352           |
|                                             |                           | rising                   | ita353           |
|                                             |                           | falling                  | ita354           |
| settantuno                                  | seventy-one               | flat                     | ita388           |
|                                             |                           | rising                   | ita389           |
|                                             |                           | falling                  | ita390           |
| ottantuno                                   | eighty-one                | flat                     | ita424           |
|                                             |                           | rising                   | ita425           |
|                                             |                           | falling                  | ita426           |
| novantuno                                   | ninety-one                | flat                     | ita460           |
|                                             |                           | rising                   | ita461           |
|                                             |                           | falling                  | ita462           |
| un                                          | one<br>(masculine)        | flat                     | ita1520          |
|                                             |                           | rising                   | ita1521          |
|                                             |                           | falling                  | ita1522          |
| ventun                                      | twenty-one<br>(masculine) | flat                     | ita1524          |
|                                             |                           | rising                   | ita1525          |
|                                             |                           | falling                  | ita1526          |
| trentun                                     | thirty-one<br>(masculine) | flat                     | ita1528          |
|                                             |                           | rising                   | ita1529          |
|                                             |                           | falling                  | ita1530          |
| quarantun                                   | forty-one<br>(masculine)  | flat                     | ita1532          |
|                                             |                           | rising                   | ita1533          |
|                                             |                           | falling                  | ita1534          |
| cinquantun                                  | fifty-one<br>(masculine)  | flat                     | ita1536          |
|                                             |                           | rising                   | ita1537          |
|                                             |                           | falling                  | ita1538          |

**Italian audio (Sheet 8 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b>             | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------------------|--------------------------|------------------|
| sessantun                                   | sixty-one<br>(masculine)   | flat                     | ita1540          |
|                                             |                            | rising                   | ita1541          |
|                                             |                            | falling                  | ita1542          |
| settantun                                   | seventy-one<br>(masculine) | flat                     | ita1544          |
|                                             |                            | rising                   | ita1545          |
|                                             |                            | falling                  | ita1546          |
| ottantun                                    | eighty-one<br>(masculine)  | flat                     | ita1548          |
|                                             |                            | rising                   | ita1549          |
|                                             |                            | falling                  | ita1550          |
| novantun                                    | ninety-one<br>(masculine)  | flat                     | ita1552          |
|                                             |                            | rising                   | ita1553          |
|                                             |                            | falling                  | ita1554          |
| una                                         | one<br>(feminine)          | flat                     | ita1556          |
|                                             |                            | rising                   | ita1557          |
|                                             |                            | falling                  | ita1558          |
| ventuna                                     | twenty-one<br>(feminine)   | flat                     | ita1560          |
|                                             |                            | rising                   | ita1561          |
|                                             |                            | falling                  | ita1562          |
| trentuna                                    | thirty-one<br>(feminine)   | flat                     | ita1564          |
|                                             |                            | rising                   | ita1565          |
|                                             |                            | falling                  | ita1566          |
| quarantuna                                  | forty-one<br>(feminine)    | flat                     | ita1568          |
|                                             |                            | rising                   | ita1569          |
|                                             |                            | falling                  | ita1570          |
| cinquantuna                                 | fifty-one<br>(feminine)    | flat                     | ita1572          |
|                                             |                            | rising                   | ita1573          |
|                                             |                            | falling                  | ita1574          |

**Italian audio (Sheet 9 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|---------------------------|--------------------------|------------------|
| sessantuna                                  | sixty-one<br>(feminine)   | flat                     | ita1576          |
|                                             |                           | rising                   | ita1577          |
|                                             |                           | falling                  | ita1578          |
| settantuna                                  | seventy-one<br>(feminine) | flat                     | ita1580          |
|                                             |                           | rising                   | ita1581          |
|                                             |                           | falling                  | ita1582          |
| ottantuna                                   | eighty-one<br>(feminine)  | flat                     | ita1584          |
|                                             |                           | rising                   | ita1585          |
|                                             |                           | falling                  | ita1586          |
| novantuna                                   | ninety-one<br>(feminine)  | flat                     | ita1588          |
|                                             |                           | rising                   | ita1589          |
|                                             |                           | falling                  | ita1590          |
| trentotto                                   | thirty-eight              | flat                     | ita272           |
|                                             |                           | rising                   | ita273           |
|                                             |                           | falling                  | ita274           |
| quarantotto                                 | forty-eight               | flat                     | ita308           |
|                                             |                           | rising                   | ita309           |
|                                             |                           | falling                  | ita310           |
| cinquantotto                                | fifty-eight               | flat                     | ita344           |
|                                             |                           | rising                   | ita345           |
|                                             |                           | falling                  | ita346           |
| sessantotto                                 | sixty-eight               | flat                     | ita380           |
|                                             |                           | rising                   | ita381           |
|                                             |                           | falling                  | ita382           |
| settantotto                                 | seventy-eight             | flat                     | ita416           |
|                                             |                           | rising                   | ita417           |
|                                             |                           | falling                  | ita418           |

**Italian audio (Sheet 10 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b>              | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-----------------------------|--------------------------|------------------|
| ottantotto                                  | eighty-eight                | flat                     | ita452           |
|                                             |                             | rising                   | ita453           |
|                                             |                             | falling                  | ita454           |
| novantotto                                  | ninety-eight                | flat                     | ita488           |
|                                             |                             | rising                   | ita489           |
|                                             |                             | falling                  | ita490           |
| mille                                       | thousand<br>(one, singular) | flat                     | ita172           |
|                                             |                             | rising                   | ita173           |
|                                             |                             | falling                  | ita174           |
| mila                                        | thousand<br>(plural)        | flat                     | ita1500          |
|                                             |                             | rising                   | ita1501          |
|                                             |                             | falling                  | ita1502          |
| duemila                                     | two-thousand                | flat                     | ita176           |
|                                             |                             | rising                   | ita177           |
|                                             |                             | falling                  | ita178           |
| tremila                                     | three-thousand              | flat                     | ita180           |
|                                             |                             | rising                   | ita181           |
|                                             |                             | falling                  | ita182           |
| quattromila                                 | four-thousand               | flat                     | ita184           |
|                                             |                             | rising                   | ita185           |
|                                             |                             | falling                  | ita186           |
| cinquemila                                  | five-thousand               | flat                     | ita188           |
|                                             |                             | rising                   | ita189           |
|                                             |                             | falling                  | ita190           |
| seimila                                     | six-thousand                | flat                     | ita192           |
|                                             |                             | rising                   | ita193           |
|                                             |                             | falling                  | ita194           |

**Italian audio (Sheet 11 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-----------------------|--------------------------|------------------|
| settemila                                   | seven-thousand        | flat                     | ita196           |
|                                             |                       | rising                   | ita197           |
|                                             |                       | falling                  | ita198           |
| ottomila                                    | eight-thousand        | flat                     | ita200           |
|                                             |                       | rising                   | ita201           |
|                                             |                       | falling                  | ita202           |
| novemila                                    | nine-thousand         | flat                     | ita204           |
|                                             |                       | rising                   | ita205           |
|                                             |                       | falling                  | ita206           |
| milione                                     | million<br>(singular) | flat                     | ita500           |
|                                             |                       | rising                   | ita501           |
|                                             |                       | falling                  | ita502           |
| milioni                                     | million<br>(plural)   | flat                     | ita1504          |
|                                             |                       | rising                   | ita1505          |
|                                             |                       | falling                  | ita1506          |
| miliardo                                    | billion<br>(singular) | flat                     | ita504           |
|                                             |                       | rising                   | ita505           |
|                                             |                       | falling                  | ita506           |
| miliardi                                    | billion<br>(plural)   | flat                     | ita1508          |
|                                             |                       | rising                   | ita1509          |
|                                             |                       | falling                  | ita1510          |
| optional                                    | a                     | flat                     | ita508           |
|                                             |                       | rising                   | ita509           |
|                                             |                       | falling                  | ita510           |
| optional                                    | b                     | flat                     | ita512           |
|                                             |                       | rising                   | ita513           |
|                                             |                       | falling                  | ita514           |

**Italian audio (Sheet 12 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| optional                                    | c              | flat                     | ita516           |
|                                             |                | rising                   | ita517           |
|                                             |                | falling                  | ita518           |
| optional                                    | d              | flat                     | ita520           |
|                                             |                | rising                   | ita521           |
|                                             |                | falling                  | ita522           |
| optional                                    | e              | flat                     | ita524           |
|                                             |                | rising                   | ita525           |
|                                             |                | falling                  | ita526           |
| optional                                    | f              | flat                     | ita528           |
|                                             |                | rising                   | ita529           |
|                                             |                | falling                  | ita530           |
| optional                                    | g              | flat                     | ita532           |
|                                             |                | rising                   | ita533           |
|                                             |                | falling                  | ita534           |
| optional                                    | h              | flat                     | ita536           |
|                                             |                | rising                   | ita537           |
|                                             |                | falling                  | ita538           |
| optional                                    | i              | flat                     | ita540           |
|                                             |                | rising                   | ita541           |
|                                             |                | falling                  | ita542           |
| optional                                    | j              | flat                     | its544           |
|                                             |                | rising                   | ita545           |
|                                             |                | falling                  | ita546           |
| optional                                    | k              | flat                     | ita548           |
|                                             |                | rising                   | ita549           |
|                                             |                | falling                  | ita550           |

**Italian audio (Sheet 13 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| optional                                    | l              | flat                     | ita552           |
|                                             |                | rising                   | ita553           |
|                                             |                | falling                  | ita554           |
| optional                                    | m              | flat                     | ita556           |
|                                             |                | rising                   | ita557           |
|                                             |                | falling                  | ita558           |
| optional                                    | n              | flat                     | ita560           |
|                                             |                | rising                   | ita561           |
|                                             |                | falling                  | ita562           |
| optional                                    | o              | flat                     | ita564           |
|                                             |                | rising                   | ita565           |
|                                             |                | falling                  | ita566           |
| optional                                    | p              | flat                     | ita568           |
|                                             |                | rising                   | ita569           |
|                                             |                | falling                  | ita570           |
| optional                                    | q              | flat                     | ita572           |
|                                             |                | rising                   | ita573           |
|                                             |                | falling                  | ita574           |
| optional                                    | r              | flat                     | ita576           |
|                                             |                | rising                   | ita577           |
|                                             |                | falling                  | ita578           |
| optional                                    | s              | flat                     | ita580           |
|                                             |                | rising                   | ita581           |
|                                             |                | falling                  | ita582           |
| optional                                    | t              | flat                     | ita584           |
|                                             |                | rising                   | ita585           |
|                                             |                | falling                  | ita586           |

**Italian audio (Sheet 14 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|------------------------|--------------------------|------------------|
| optional                                    | u                      | flat                     | ita588           |
|                                             |                        | rising                   | ita589           |
|                                             |                        | falling                  | ita590           |
| optional                                    | v                      | flat                     | ita592           |
|                                             |                        | rising                   | ita593           |
|                                             |                        | falling                  | ita594           |
| optional                                    | w                      | flat                     | ita596           |
|                                             |                        | rising                   | ita597           |
|                                             |                        | falling                  | ita598           |
| optional                                    | x                      | flat                     | ita600           |
|                                             |                        | rising                   | ita601           |
|                                             |                        | falling                  | ita602           |
| optional                                    | y                      | flat                     | ita604           |
|                                             |                        | rising                   | ita605           |
|                                             |                        | falling                  | ita606           |
| optional                                    | z                      | flat                     | ita608           |
|                                             |                        | rising                   | ita609           |
|                                             |                        | falling                  | ita610           |
| negativo                                    | negative<br>(singular) | flat                     | ita616           |
|                                             |                        | rising                   | ita617           |
|                                             |                        | falling                  | ita618           |
| negativi                                    | negative<br>(plural)   | flat                     | ita1512          |
|                                             |                        | rising                   | ita1513          |
|                                             |                        | falling                  | ita1514          |
| e                                           | and                    | flat                     | ita620           |
|                                             |                        | rising                   | ita621           |
|                                             |                        | falling                  | ita622           |



**Italian audio (Sheet 15 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| ora                                         | hour           | flat                     | ita624           |
|                                             |                | rising                   | ita625           |
|                                             |                | falling                  | ita626           |
| ore                                         | hours          | flat                     | ita628           |
|                                             |                | rising                   | ita629           |
|                                             |                | falling                  | ita630           |
| minuto                                      | minute         | flat                     | ita632           |
|                                             |                | rising                   | ita633           |
|                                             |                | falling                  | ita634           |
| minuti                                      | minutes        | flat                     | ita636           |
|                                             |                | rising                   | ita637           |
|                                             |                | falling                  | ita638           |
| secondo                                     | second         | flat                     | ita640           |
|                                             |                | rising                   | ita641           |
|                                             |                | falling                  | ita642           |
| secondi                                     | seconds        | flat                     | ita644           |
|                                             |                | rising                   | ita645           |
|                                             |                | falling                  | ita646           |
| gennaio                                     | January        | flat                     | ita648           |
|                                             |                | rising                   | ita649           |
|                                             |                | falling                  | ita650           |
| febbraio                                    | February       | flat                     | ita652           |
|                                             |                | rising                   | ita653           |
|                                             |                | falling                  | ita654           |
| marzo                                       | March          | flat                     | ita656           |
|                                             |                | rising                   | ita657           |
|                                             |                | falling                  | ita658           |

**Italian audio (Sheet 16 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| aprile                                      | April          | flat                     | ita660           |
|                                             |                | rising                   | ita661           |
|                                             |                | falling                  | ita662           |
| maggio                                      | May            | flat                     | ita664           |
|                                             |                | rising                   | ita665           |
|                                             |                | falling                  | ita666           |
| giugno                                      | June           | flat                     | ita668           |
|                                             |                | rising                   | ita669           |
|                                             |                | falling                  | ita670           |
| luglio                                      | July           | flat                     | ita672           |
|                                             |                | rising                   | ita673           |
|                                             |                | falling                  | ita674           |
| agosto                                      | August         | flat                     | ita676           |
|                                             |                | rising                   | ita677           |
|                                             |                | falling                  | ita678           |
| settembre                                   | September      | flat                     | ita680           |
|                                             |                | rising                   | ita681           |
|                                             |                | falling                  | ita682           |
| ottobre                                     | October        | flat                     | ita684           |
|                                             |                | rising                   | ita685           |
|                                             |                | falling                  | ita686           |
| novembre                                    | November       | flat                     | ita688           |
|                                             |                | rising                   | ita689           |
|                                             |                | falling                  | ita690           |
| dicembre                                    | December       | flat                     | ita692           |
|                                             |                | rising                   | ita693           |
|                                             |                | falling                  | ita694           |

**Italian audio (Sheet 17 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| domenica                                    | Sunday         | flat                     | ita696           |
|                                             |                | rising                   | ita697           |
|                                             |                | falling                  | ita698           |
| lunedì                                      | Monday         | flat                     | ita700           |
|                                             |                | rising                   | ita701           |
|                                             |                | falling                  | ita702           |
| martedì                                     | Tuesday        | flat                     | ita704           |
|                                             |                | rising                   | ita705           |
|                                             |                | falling                  | ita706           |
| mercoledì                                   | Wednesday      | flat                     | ita708           |
|                                             |                | rising                   | ita709           |
|                                             |                | falling                  | ita710           |
| giovedì                                     | Thursday       | flat                     | ita712           |
|                                             |                | rising                   | ita713           |
|                                             |                | falling                  | ita714           |
| venerdì                                     | Friday         | flat                     | ita716           |
|                                             |                | rising                   | ita717           |
|                                             |                | falling                  | ita718           |
| sabato                                      | Saturday       | flat                     | ita720           |
|                                             |                | rising                   | ita721           |
|                                             |                | falling                  | ita722           |
| primo                                       | first          | flat                     | ita728           |
|                                             | (masc, sing)   | rising                   | ita729           |
|                                             |                | falling                  | ita730           |
| secondo                                     | second         | flat                     | ita732           |
|                                             | (masc, sing)   | rising                   | ita733           |
|                                             |                | falling                  | ita734           |

**Italian audio (Sheet 18 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b>           | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|--------------------------|--------------------------|------------------|
| terzo                                       | third<br>(masc, sing)    | flat                     | ita736           |
|                                             |                          | rising                   | ita737           |
|                                             |                          | falling                  | ita738           |
| quarto                                      | fourth<br>(masc, sing)   | flat                     | ita740           |
|                                             |                          | rising                   | ita741           |
|                                             |                          | falling                  | ita742           |
| quinto                                      | fifth<br>(masc, sing)    | flat                     | ita744           |
|                                             |                          | rising                   | ita745           |
|                                             |                          | falling                  | ita746           |
| sesto                                       | sixth<br>(masc, sing)    | flat                     | ita748           |
|                                             |                          | rising                   | ita749           |
|                                             |                          | falling                  | ita750           |
| settimo                                     | seventh<br>(masc, sing)  | flat                     | ita752           |
|                                             |                          | rising                   | ita753           |
|                                             |                          | falling                  | ita754           |
| ottavo                                      | eighth<br>(masc, sing)   | flat                     | ita756           |
|                                             |                          | rising                   | ita757           |
|                                             |                          | falling                  | ita758           |
| nono                                        | ninth<br>(masc, sing)    | flat                     | ita760           |
|                                             |                          | rising                   | ita761           |
|                                             |                          | falling                  | ita762           |
| decimo                                      | tenth<br>(masc, sing)    | flat                     | ita764           |
|                                             |                          | rising                   | ita765           |
|                                             |                          | falling                  | ita766           |
| undicesimo                                  | eleventh<br>(masc, sing) | flat                     | ita768           |
|                                             |                          | rising                   | ita769           |
|                                             |                          | falling                  | ita770           |

**Italian audio (Sheet 19 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b>              | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-----------------------------|--------------------------|------------------|
| dodicesimo                                  | twelfth<br>(masc, sing)     | flat                     | ita772           |
|                                             |                             | rising                   | ita773           |
|                                             |                             | falling                  | ita774           |
| tredicesimo                                 | thirteenth<br>(masc, sing)  | flat                     | ita776           |
|                                             |                             | rising                   | ita777           |
|                                             |                             | falling                  | ita778           |
| quattordicesimo                             | fourteenth<br>(masc, sing)  | flat                     | ita780           |
|                                             |                             | rising                   | ita781           |
|                                             |                             | falling                  | ita782           |
| quindicesimo                                | fifteenth<br>(masc, sing)   | flat                     | ita784           |
|                                             |                             | rising                   | ita785           |
|                                             |                             | falling                  | ita786           |
| sedicesimo                                  | sixteenth<br>(masc, sing)   | flat                     | ita788           |
|                                             |                             | rising                   | ita789           |
|                                             |                             | falling                  | ita790           |
| diciassettesimo                             | seventeenth<br>(masc, sing) | flat                     | ita792           |
|                                             |                             | rising                   | ita793           |
|                                             |                             | falling                  | ita794           |
| diciottesimo                                | eighteenth<br>(masc, sing)  | flat                     | ita796           |
|                                             |                             | rising                   | ita797           |
|                                             |                             | falling                  | ita798           |
| diciannovesimo                              | nineteenth<br>(masc, sing)  | flat                     | ita800           |
|                                             |                             | rising                   | ita801           |
|                                             |                             | falling                  | ita802           |
| ventesimo                                   | twentieth<br>(masc, sing)   | flat                     | ita804           |
|                                             |                             | rising                   | ita805           |
|                                             |                             | falling                  | ita806           |

**Italian audio (Sheet 20 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b>             | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------------------|--------------------------|------------------|
| trentesimo                                  | thirtieth<br>(masc, sing)  | flat                     | ita808           |
|                                             |                            | rising                   | ita809           |
|                                             |                            | falling                  | ita810           |
| quarantesimo                                | fortieth<br>(masc, sing)   | flat                     | ita812           |
|                                             |                            | rising                   | ita813           |
|                                             |                            | falling                  | ita814           |
| cinquantesimo                               | fiftieth<br>(masc, sing)   | flat                     | ita816           |
|                                             |                            | rising                   | ita817           |
|                                             |                            | falling                  | ita818           |
| sessantesimo                                | sixtieth<br>(masc, sing)   | flat                     | ita820           |
|                                             |                            | rising                   | ita821           |
|                                             |                            | falling                  | ita822           |
| settantesimo                                | seventieth<br>(masc, sing) | flat                     | ita824           |
|                                             |                            | rising                   | ita825           |
|                                             |                            | falling                  | ita826           |
| ottantesimo                                 | eightieth<br>(masc, sing)  | flat                     | ita828           |
|                                             |                            | rising                   | ita829           |
|                                             |                            | falling                  | ita830           |
| novantesimo                                 | ninetieth<br>(masc, sing)  | flat                     | ita832           |
|                                             |                            | rising                   | ita833           |
|                                             |                            | falling                  | ita834           |
| centesimo                                   | hundredth<br>(masc, sing)  | flat                     | ita836           |
|                                             |                            | rising                   | ita837           |
|                                             |                            | falling                  | ita838           |
| millesimo                                   | thousandth<br>(masc, sing) | flat                     | ita872           |
|                                             |                            | rising                   | ita873           |
|                                             |                            | falling                  | ita874           |

**Italian audio (Sheet 21 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|---------------------------|--------------------------|------------------|
| milionesimo                                 | millionth<br>(masc, sing) | flat                     | ita880           |
|                                             |                           | rising                   | ita881           |
|                                             |                           | falling                  | ita882           |
| miliardesimo                                | billionth<br>(masc, sing) | flat                     | ita888           |
|                                             |                           | rising                   | ita889           |
|                                             |                           | falling                  | ita890           |
| primi                                       | first<br>(masc, plural)   | flat                     | ita1700          |
|                                             |                           | rising                   | ita1701          |
|                                             |                           | falling                  | ita1702          |
| secondi                                     | second<br>(masc, plural)  | flat                     | ita1704          |
|                                             |                           | rising                   | ita1705          |
|                                             |                           | falling                  | ita1706          |
| terzi                                       | third<br>(masc, plural)   | flat                     | ita1708          |
|                                             |                           | rising                   | ita1709          |
|                                             |                           | falling                  | ita1710          |
| quarti                                      | fourth<br>(masc, plural)  | flat                     | ita1712          |
|                                             |                           | rising                   | ita1713          |
|                                             |                           | falling                  | ita1714          |
| quinti                                      | fifth<br>(masc, plural)   | flat                     | ita1716          |
|                                             |                           | rising                   | ita1717          |
|                                             |                           | falling                  | ita1718          |
| sesti                                       | sixth<br>(masc, plural)   | flat                     | ita1720          |
|                                             |                           | rising                   | ita1721          |
|                                             |                           | falling                  | ita1722          |
| settimi                                     | seventh<br>(masc, plural) | flat                     | ita1724          |
|                                             |                           | rising                   | ita1725          |
|                                             |                           | falling                  | ita1726          |

**Italian audio (Sheet 22 of 44)**

| Italian phrase or English equivalent | English                  | Phrase intonation | File name |
|--------------------------------------|--------------------------|-------------------|-----------|
| ottavi                               | eighth<br>(masc, plural) | flat              | ita1728   |
|                                      |                          | rising            | ita1729   |
|                                      |                          | falling           | ita1730   |
| noni                                 | ninth<br>(masc, plural)  | flat              | ita1732   |
|                                      |                          | rising            | ita1733   |
|                                      |                          | falling           | ita1734   |
| decimi                               | tenth<br>(masc, plural)  | flat              | ita1736   |
|                                      |                          | rising            | ita1737   |
|                                      |                          | falling           | ita1738   |
| prima                                | first<br>(fem, sing)     | flat              | ita1740   |
|                                      |                          | rising            | ita1741   |
|                                      |                          | falling           | ita1742   |
| seconda                              | second<br>(fem, sing)    | flat              | ita1744   |
|                                      |                          | rising            | ita1745   |
|                                      |                          | falling           | ita1746   |
| terza                                | third<br>(fem, sing)     | flat              | ita1748   |
|                                      |                          | rising            | ita1749   |
|                                      |                          | falling           | ita1750   |
| quarta                               | fourth<br>(fem, sing)    | flat              | ita1752   |
|                                      |                          | rising            | ita1753   |
|                                      |                          | falling           | ita1754   |
| quinta                               | fifth<br>(fem, sing)     | flat              | ita1756   |
|                                      |                          | rising            | ita1757   |
|                                      |                          | falling           | ita1758   |
| sesta                                | sixth<br>(fem, sing)     | flat              | ita1760   |
|                                      |                          | rising            | ita1761   |
|                                      |                          | falling           | ita1762   |



**Italian audio (Sheet 23 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| settima                                     | seventh        | flat                     | ita1764          |
|                                             | (fem, sing)    | rising                   | ita1765          |
|                                             |                | falling                  | ita1766          |
| ottava                                      | eighth         | flat                     | ita1768          |
|                                             | (fem, sing)    | rising                   | ita1769          |
|                                             |                | falling                  | ita1770          |
| nona                                        | ninth          | flat                     | ita1772          |
|                                             | (fem, sing)    | rising                   | ita1773          |
|                                             |                | falling                  | ita1774          |
| decima                                      | tenth          | flat                     | ita1776          |
|                                             | (fem, sing)    | rising                   | ita1777          |
|                                             |                | falling                  | ita1778          |
| prime                                       | first          | flat                     | ita1780          |
|                                             | (fem, plural)  | rising                   | ita1781          |
|                                             |                | falling                  | ita1782          |
| seconde                                     | second         | flat                     | ita1784          |
|                                             | (fem, plural)  | rising                   | ita1785          |
|                                             |                | falling                  | ita1786          |
| terze                                       | third          | flat                     | ita1788          |
|                                             | (fem, plural)  | rising                   | ita1789          |
|                                             |                | falling                  | ita1790          |
| quarte                                      | fourth         | flat                     | ita1792          |
|                                             | (fem, plural)  | rising                   | ita1793          |
|                                             |                | falling                  | ita1794          |
| quinte                                      | fifth          | flat                     | ita1796          |
|                                             | (fem, plural)  | rising                   | ita1797          |
|                                             |                | falling                  | ita1798          |

**Italian audio (Sheet 24 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| seste                                       | sixth          | flat                     | ita1800          |
|                                             | (fem, plural)  | rising                   | ita1801          |
|                                             |                | falling                  | ita1802          |
| settime                                     | seventh        | flat                     | ita1804          |
|                                             | (fem, plural)  | rising                   | ita1805          |
|                                             |                | falling                  | ita1806          |
| ottave                                      | eighth         | flat                     | ita1808          |
|                                             | (fem, plural)  | rising                   | ita1809          |
|                                             |                | falling                  | ita1810          |
| none                                        | ninth          | flat                     | ita1812          |
|                                             | (fem, plural)  | rising                   | ita1813          |
|                                             |                | falling                  | ita1814          |
| decime                                      | tenth          | flat                     | ita1816          |
|                                             | (fem, plural)  | rising                   | ita1817          |
|                                             |                | falling                  | ita1818          |
| unesimo                                     | first          | flat                     | ita1820          |
|                                             | (masc, sing)   | rising                   | ita1821          |
|                                             |                | falling                  | ita1822          |
| duesimo                                     | second         | flat                     | ita1824          |
|                                             | (masc, sing)   | rising                   | ita1825          |
|                                             |                | falling                  | ita1826          |
| treesimo                                    | third          | flat                     | ita1828          |
|                                             | (masc, sing)   | rising                   | ita1829          |
|                                             |                | falling                  | ita1830          |
| quatresimo                                  | fourth         | flat                     | ita1832          |
|                                             | (masc, sing)   | rising                   | ita1833          |
|                                             |                | falling                  | ita1834          |

**Italian audio (Sheet 25 of 44)**

| Italian phrase or English equivalent | English                                      | Phrase intonation | File name |
|--------------------------------------|----------------------------------------------|-------------------|-----------|
| cinquesimo                           | fifth                                        | flat              | ita1836   |
|                                      | (masc, sing)                                 | rising            | ita1837   |
|                                      |                                              | falling           | ita1838   |
| seiesimo                             | sixth                                        | flat              | ita1840   |
|                                      | (masc, sing)                                 | rising            | ita1841   |
|                                      |                                              | falling           | ita1842   |
| settesimo                            | seventh                                      | flat              | ita1844   |
|                                      | (masc, sing)                                 | rising            | itat1845  |
|                                      |                                              | falling           | ita1846   |
| ottesimo                             | eighth                                       | flat              | ita1848   |
|                                      | (masc, sing)                                 | rising            | ita1849   |
|                                      |                                              | falling           | ita1850   |
| novesimo                             | ninth                                        | flat              | ita1852   |
|                                      | (masc, sing)                                 | rising            | ita1853   |
|                                      |                                              | falling           | ita1854   |
| unesimi                              | first                                        | flat              | ita1856   |
|                                      | (masc, plural) used as part of other numbers | rising            | ita1857   |
|                                      |                                              | falling           | ita1858   |
| duesimi                              | second                                       | flat              | ita1860   |
|                                      | (masc, plural)                               | rising            | ita1861   |
|                                      |                                              | falling           | ita1862   |
| treesimi                             | third                                        | flat              | ita1864   |
|                                      | (masc, plural)                               | rising            | ita1865   |
|                                      |                                              | falling           | ita1866   |
| quatresimi                           | fourth                                       | flat              | ita1868   |
|                                      | (masc, plural)                               | rising            | ita1869   |
|                                      |                                              | falling           | ita1870   |

**Italian audio (Sheet 26 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| cinquesimi                                  | fifth          | flat                     | ita1872          |
|                                             | (masc, plural) | rising                   | ita1873          |
|                                             |                | falling                  | ita1874          |
| seiesimi                                    | sixth          | flat                     | ita1876          |
|                                             | (masc, plural) | rising                   | ita1877          |
|                                             |                | falling                  | ita1878          |
| settesimi                                   | seventh        | flat                     | ita1880          |
|                                             | (masc, plural) | rising                   | ita1881          |
|                                             |                | falling                  | ita1882          |
| ottesimi                                    | eighth         | flat                     | ita1884          |
|                                             | (masc, plural) | rising                   | ita1885          |
|                                             |                | falling                  | ita1886          |
| novesimi                                    | ninth          | flat                     | ita1888          |
|                                             | (masc, plural) | rising                   | ita1889          |
|                                             |                | falling                  | ita1890          |
| undicesimi                                  | eleventh       | flat                     | ita1896          |
|                                             | (masc, plural) | rising                   | ita1897          |
|                                             |                | falling                  | ita1898          |
| dodicesimi                                  | twelfth        | flat                     | ita1900          |
|                                             | (masc, plural) | rising                   | ita1901          |
|                                             |                | falling                  | ita1902          |
| tredicesimi                                 | thirteenth     | flat                     | ita1904          |
|                                             | (masc, plural) | rising                   | ita1905          |
|                                             |                | falling                  | ita1906          |
| quattordicesi                               | fourteenth     | flat                     | ita1908          |
|                                             | (masc, plural) | rising                   | ita1909          |
|                                             |                | falling                  | ita1910          |

**Italian audio (Sheet 27 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| quindicesimi                                | fifteenth      | flat                     | ita1912          |
|                                             | (masc, plural) | rising                   | ita1913          |
|                                             |                | falling                  | ita1914          |
| sedicesimi                                  | sixteenth      | flat                     | ita1916          |
|                                             | (masc, plural) | rising                   | ita1917          |
|                                             |                | falling                  | ita1918          |
| diciassettesimi                             | seventeenth    | flat                     | ita1920          |
|                                             | (masc, plural) | rising                   | ita1921          |
|                                             |                | falling                  | ita1922          |
| diciottesimi                                | eighteenth     | flat                     | ita1924          |
|                                             | (masc, plural) | rising                   | ita1925          |
|                                             |                | falling                  | ita1926          |
| diciannovesimi                              | nineteenth     | flat                     | ita1928          |
|                                             | (masc, plural) | rising                   | ita1929          |
|                                             |                | falling                  | ita1930          |
| ventesimi                                   | twentieth      | flat                     | ita1932          |
|                                             | (masc, plural) | rising                   | ita1933          |
|                                             |                | falling                  | ita1934          |
| trentesimi                                  | thirtieth      | flat                     | ita1936          |
|                                             | (masc, plural) | rising                   | ita1937          |
|                                             |                | falling                  | ita1938          |
| quarantesimi                                | fortieth       | flat                     | ita1940          |
|                                             | (masc, plural) | rising                   | ita1941          |
|                                             |                | falling                  | ita1942          |
| cinquantesimi                               | fiftieth       | flat                     | ita1944          |
|                                             | (masc, plural) | rising                   | ita1945          |
|                                             |                | falling                  | ita1946          |

**Italian audio (Sheet 28 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| sessantesimi                                | sixtieth       | flat                     | ita1948          |
|                                             | (masc, plural) | rising                   | ita1949          |
|                                             |                | falling                  | ita1950          |
| settantesimi                                | seventieth     | flat                     | ita1952          |
|                                             | (masc, plural) | rising                   | ita1953          |
|                                             |                | falling                  | ita1954          |
| ottantesimi                                 | eightieth      | flat                     | ita1956          |
|                                             | (masc, plural) | rising                   | ita1957          |
|                                             |                | falling                  | ita1958          |
| novantesimi                                 | nintieth       | flat                     | ita1960          |
|                                             | (masc, plural) | rising                   | ita1961          |
|                                             |                | falling                  | ita1962          |
| centesimi                                   | hundredth      | flat                     | ita1964          |
|                                             | (masc, plural) | rising                   | ita1965          |
|                                             |                | falling                  | ita1966          |
| millesimi                                   | thousandth     | flat                     | ita1968          |
|                                             | (masc, plural) | rising                   | ita1969          |
|                                             |                | falling                  | ita1970          |
| millionesimi                                | millionth      | flat                     | ita1972          |
|                                             | (masc, plural) | rising                   | ita1973          |
|                                             |                | falling                  | ita1974          |
| billionesimi                                | billionth      | flat                     | ita1976          |
|                                             | (masc, plural) | rising                   | ita1977          |
|                                             |                | falling                  | ita1978          |
| unesima                                     | first          | flat                     | ita1980          |
|                                             | (fem, sing)    | rising                   | ita1981          |
|                                             |                | falling                  | ita1982          |

**Italian audio (Sheet 29 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b>          | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-------------------------|--------------------------|------------------|
| duesima                                     | second<br>(fem, sing)   | flat                     | ita1984          |
|                                             |                         | rising                   | ita1985          |
|                                             |                         | falling                  | ita1986          |
| treesima                                    | third<br>(fem, sing)    | flat                     | ita1988          |
|                                             |                         | rising                   | ita1989          |
|                                             |                         | falling                  | ita1990          |
| quattresima                                 | fourth<br>(fem, sing)   | flat                     | ita1992          |
|                                             |                         | rising                   | ita1993          |
|                                             |                         | falling                  | ita1994          |
| cinquesima                                  | fifth<br>(fem, sing)    | flat                     | ita1996          |
|                                             |                         | rising                   | ita1997          |
|                                             |                         | falling                  | ita1998          |
| seiesima                                    | sixth<br>(fem, sing)    | flat                     | ita2000          |
|                                             |                         | rising                   | ita2001          |
|                                             |                         | falling                  | ita2002          |
| settesima                                   | seventh<br>(fem, sing)  | flat                     | ita2004          |
|                                             |                         | rising                   | ita2005          |
|                                             |                         | falling                  | ita2006          |
| ottesima                                    | eighth<br>(fem, sing)   | flat                     | ita2008          |
|                                             |                         | rising                   | ita2009          |
|                                             |                         | falling                  | ita2010          |
| novesima                                    | ninth<br>(fem, sing)    | flat                     | ita2012          |
|                                             |                         | rising                   | ita2013          |
|                                             |                         | falling                  | ita2014          |
| undicesima                                  | eleventh<br>(fem, sing) | flat                     | ita2020          |
|                                             |                         | rising                   | ita2021          |
|                                             |                         | falling                  | ita2022          |

**Italian audio (Sheet 30 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b>             | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------------------|--------------------------|------------------|
| dodicesima                                  | twelfth<br>(fem, sing)     | flat                     | ita2024          |
|                                             |                            | rising                   | ita2025          |
|                                             |                            | falling                  | ita2026          |
| tredicesima                                 | thirteenth<br>(fem, sing)  | flat                     | ita2028          |
|                                             |                            | rising                   | ita2029          |
|                                             |                            | falling                  | ita2030          |
| quattordicesima                             | fourteenth<br>(fem, sing)  | flat                     | ita2032          |
|                                             |                            | rising                   | ita2033          |
|                                             |                            | falling                  | ita2034          |
| quindicesima                                | fifteenth<br>(fem, sing)   | flat                     | ita2036          |
|                                             |                            | rising                   | ita2037          |
|                                             |                            | falling                  | ita2038          |
| sedicesima                                  | sixteenth<br>(fem, sing)   | flat                     | ita2040          |
|                                             |                            | rising                   | ita2041          |
|                                             |                            | falling                  | ita2042          |
| diciassettesima                             | seventeenth<br>(fem, sing) | flat                     | ita2044          |
|                                             |                            | rising                   | ita2045          |
|                                             |                            | falling                  | ita2046          |
| diciottesima                                | eighteenth<br>(fem, sing)  | flat                     | ita2048          |
|                                             |                            | rising                   | ita2049          |
|                                             |                            | falling                  | ita2050          |
| diciannovesima                              | nineteenth<br>(fem, sing)  | flat                     | ita2052          |
|                                             |                            | rising                   | ita2053          |
|                                             |                            | falling                  | ita2054          |
| ventesima                                   | twentieth<br>(fem, sing)   | flat                     | ita2056          |
|                                             |                            | rising                   | ita2057          |
|                                             |                            | falling                  | ita2058          |



**Italian audio (Sheet 31 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|---------------------------|--------------------------|------------------|
| trentesima                                  | thirtieth<br>(fem, sing)  | flat                     | ita2060          |
|                                             |                           | rising                   | ita2061          |
|                                             |                           | falling                  | ita2062          |
| quarantesima                                | fortieth<br>(fem, sing)   | flat                     | ita2064          |
|                                             |                           | rising                   | ita2065          |
|                                             |                           | falling                  | ita2066          |
| cinquantesima                               | fiftieth<br>(fem, sing)   | flat                     | ita2068          |
|                                             |                           | rising                   | ita2069          |
|                                             |                           | falling                  | ita2070          |
| sessantesima                                | sixtieth<br>(fem, sing)   | flat                     | ita2072          |
|                                             |                           | rising                   | ita2073          |
|                                             |                           | falling                  | ita2074          |
| settantesima                                | seventieth<br>(fem, sing) | flat                     | ita2076          |
|                                             |                           | rising                   | ita2077          |
|                                             |                           | falling                  | ita2078          |
| ottantesima                                 | eightieth<br>(fem, sing)  | flat                     | ita2080          |
|                                             |                           | rising                   | ita2081          |
|                                             |                           | falling                  | ita2082          |
| novantessima                                | nintieth<br>(fem, sing)   | flat                     | ita2084          |
|                                             |                           | rising                   | ita2085          |
|                                             |                           | falling                  | ita2086          |
| centesima                                   | hundredth<br>(fem, sing)  | flat                     | ita2088          |
|                                             |                           | rising                   | ita2089          |
|                                             |                           | falling                  | ita2090          |
| millesima                                   | thousandth<br>(fem, sing) | flat                     | ita2092          |
|                                             |                           | rising                   | ita2093          |
|                                             |                           | falling                  | ita2094          |

**Italian audio (Sheet 32 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|---------------------------|--------------------------|------------------|
| millionesima                                | millionth<br>(fem, sing)  | flat                     | ita2096          |
|                                             |                           | rising                   | ita2097          |
|                                             |                           | falling                  | ita2098          |
| billionesima                                | billionth<br>(fem, sing)  | flat                     | ita2100          |
|                                             |                           | rising                   | ita2101          |
|                                             |                           | falling                  | ita2102          |
| unesime                                     | first<br>(plural, fem)    | flat                     | ita2104          |
|                                             |                           | rising                   | ita2105          |
|                                             |                           | falling                  | ita2106          |
| duesime                                     | secondth<br>(plural, fem) | flat                     | ita2108          |
|                                             |                           | rising                   | ita2109          |
|                                             |                           | falling                  | ita2110          |
| treesime                                    | third<br>(plural, fem)    | flat                     | ita2112          |
|                                             |                           | rising                   | ita2113          |
|                                             |                           | falling                  | ita2114          |
| quatresime                                  | fourth<br>(plural, fem)   | flat                     | ita2116          |
|                                             |                           | rising                   | ita2117          |
|                                             |                           | falling                  | ita2118          |
| cinquesime                                  | fifth<br>(plural, fem)    | flat                     | ita2120          |
|                                             |                           | rising                   | ita2121          |
|                                             |                           | falling                  | ita2122          |
| seiesime                                    | sixth<br>(plural, fem)    | flat                     | ita2124          |
|                                             |                           | rising                   | ita2125          |
|                                             |                           | falling                  | ita2126          |
| settesime                                   | seventh<br>(plural, fem)  | flat                     | ita2128          |
|                                             |                           | rising                   | ita2129          |
|                                             |                           | falling                  | ita2130          |

**Italian audio (Sheet 33 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b>               | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|------------------------------|--------------------------|------------------|
| ottesime                                    | eighth<br>(plural, fem)      | flat                     | ita2132          |
|                                             |                              | rising                   | ita2133          |
|                                             |                              | falling                  | ita2134          |
| novesime                                    | ninth<br>(plural, fem)       | flat                     | ita2136          |
|                                             |                              | rising                   | ita2137          |
|                                             |                              | falling                  | ita2138          |
| undicesime                                  | eleventh<br>(plural, fem)    | flat                     | ita2144          |
|                                             |                              | rising                   | ita2145          |
|                                             |                              | falling                  | ita2146          |
| dodicesime                                  | twelfth<br>(plural, fem)     | flat                     | ita2148          |
|                                             |                              | rising                   | ita2149          |
|                                             |                              | falling                  | ita2150          |
| tredicesime                                 | thirteenth<br>(plural, fem)  | flat                     | ita2152          |
|                                             |                              | rising                   | ita2153          |
|                                             |                              | falling                  | ita2154          |
| quattordicesime                             | fourteenth<br>(plural, fem)  | flat                     | ita2156          |
|                                             |                              | rising                   | ita2157          |
|                                             |                              | falling                  | ita2158          |
| quindicesime                                | fifteenth<br>(plural, fem)   | flat                     | ita2160          |
|                                             |                              | rising                   | ita2161          |
|                                             |                              | falling                  | ita2162          |
| sedicesime                                  | sixteenth<br>(plural, fem)   | flat                     | ita2164          |
|                                             |                              | rising                   | ita2165          |
|                                             |                              | falling                  | ita2166          |
| diciassettesime                             | seventeenth<br>(plural, fem) | flat                     | ita2168          |
|                                             |                              | rising                   | ita2169          |
|                                             |                              | falling                  | ita2170          |

**Italian audio (Sheet 34 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b>              | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-----------------------------|--------------------------|------------------|
| diciottesime                                | eighteenth<br>(plural, fem) | flat                     | ita2172          |
|                                             |                             | rising                   | ita2173          |
|                                             |                             | falling                  | ita2174          |
| diciannovesime                              | nineteenth<br>(plural, fem) | flat                     | ita2176          |
|                                             |                             | rising                   | ita2177          |
|                                             |                             | falling                  | ita2178          |
| ventesime                                   | twentieth<br>(plural, fem)  | flat                     | ita2180          |
|                                             |                             | rising                   | ita2181          |
|                                             |                             | falling                  | ita2182          |
| trentesime                                  | thirtieth<br>(plural, fem)  | flat                     | ita2184          |
|                                             |                             | rising                   | ita2185          |
|                                             |                             | falling                  | ita2186          |
| quarantesime                                | fortieth<br>(plural, fem)   | flat                     | ita2188          |
|                                             |                             | rising                   | ita2189          |
|                                             |                             | falling                  | ita2190          |
| cinquantesime                               | fiftieth<br>(plural, fem)   | flat                     | ita2192          |
|                                             |                             | rising                   | ita2193          |
|                                             |                             | falling                  | ita2194          |
| sessantesime                                | sixtieth<br>(plural, fem)   | flat                     | ita2196          |
|                                             |                             | rising                   | ita2197          |
|                                             |                             | falling                  | ita2198          |
| settantesime                                | seventieth<br>(plural, fem) | flat                     | ita2200          |
|                                             |                             | rising                   | ita2201          |
|                                             |                             | falling                  | ita2202          |
| ottantesime                                 | eightieth<br>(plural, fem)  | flat                     | ita2204          |
|                                             |                             | rising                   | ita2205          |
|                                             |                             | falling                  | ita2206          |

**Italian audio (Sheet 35 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b>              | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-----------------------------|--------------------------|------------------|
| novantesime                                 | ninetieth<br>(plural, fem)  | flat                     | ita2208          |
|                                             |                             | rising                   | ita2209          |
|                                             |                             | falling                  | ita2210          |
| centesime                                   | hundredth<br>(plural, fem)  | flat                     | ita2212          |
|                                             |                             | rising                   | ita2213          |
|                                             |                             | falling                  | ita2214          |
| millesime                                   | thousandth<br>(plural, fem) | flat                     | ita2216          |
|                                             |                             | rising                   | ita2217          |
|                                             |                             | falling                  | ita2218          |
| millionesime                                | millionth<br>(plural, fem)  | flat                     | ita2220          |
|                                             |                             | rising                   | ita2221          |
|                                             |                             | falling                  | ita2222          |
| billionesime                                | billionth<br>(plural, fem)  | flat                     | ita2224          |
|                                             |                             | rising                   | ita2225          |
|                                             |                             | falling                  | ita2226          |
| quadrato                                    | pound sign<br>(#)           | flat                     | ita896           |
|                                             |                             | rising                   | ita897           |
|                                             |                             | falling                  | ita898           |
| stella                                      | asterisk<br>(*)             | flat                     | ita900           |
|                                             |                             | rising                   | ita901           |
|                                             |                             | falling                  | ita902           |
| dollar                                      | dollar<br>(US)              | flat                     | ita1200          |
|                                             |                             | rising                   | ita1201          |
|                                             |                             | falling                  | ita1202          |
| dollars                                     | dollars<br>(US)             | flat                     | ita1204          |
|                                             |                             | rising                   | ita1205          |
|                                             |                             | falling                  | ita1206          |

**Italian audio (Sheet 36 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-----------------------|--------------------------|------------------|
| cent                                        | cent<br>(US)          | flat                     | ita1208          |
|                                             |                       | rising                   | ita1209          |
|                                             |                       | falling                  | ita1210          |
| cents                                       | cents<br>(US)         | flat                     | ita1212          |
|                                             |                       | rising                   | ita1213          |
|                                             |                       | falling                  | ita1214          |
| mark                                        | mark<br>(Germany)     | flat                     | ita1216          |
|                                             |                       | rising                   | ita1217          |
|                                             |                       | falling                  | ita1218          |
| marks                                       | marks<br>(Germany)    | flat                     | ita1220          |
|                                             |                       | rising                   | ita1221          |
|                                             |                       | falling                  | ita1222          |
| pfennig                                     | pfennig<br>(Germany)  | flat                     | ita1224          |
|                                             |                       | rising                   | ita1225          |
|                                             |                       | falling                  | ita1226          |
| pfennigs                                    | pfennigs<br>(Germany) | flat                     | ita1228          |
|                                             |                       | rising                   | ita1229          |
|                                             |                       | falling                  | ita1230          |
| yen                                         | yen<br>(Japan)        | flat                     | ita1232          |
|                                             |                       | rising                   | ita1233          |
|                                             |                       | falling                  | ita1234          |
| yens                                        | yens<br>(Japan)       | flat                     | ita1236          |
|                                             |                       | rising                   | ita1237          |
|                                             |                       | falling                  | ita1238          |
| lira                                        | lira<br>(Italy)       | flat                     | ita1240          |
|                                             |                       | rising                   | ita1241          |
|                                             |                       | falling                  | ita1242          |

**Italian audio (Sheet 37 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|---------------------------|--------------------------|------------------|
| liras                                       | liras<br>(Italy)          | flat                     | ita1244          |
|                                             |                           | rising                   | ita1245          |
|                                             |                           | falling                  | ita1246          |
| guilder                                     | guilder<br>(Netherlands)  | flat                     | ita1248          |
|                                             |                           | rising                   | ita1249          |
|                                             |                           | falling                  | ita1250          |
| guilders                                    | guilders<br>(Netherlands) | flat                     | ita1252          |
|                                             |                           | rising                   | ita1253          |
|                                             |                           | falling                  | ita1254          |
| cent                                        | cent<br>(Netherlands)     | flat                     | ita1256          |
|                                             |                           | rising                   | ita1257          |
|                                             |                           | falling                  | ita1258          |
| cents                                       | cents<br>(Netherlands)    | flat                     | ita1260          |
|                                             |                           | rising                   | ita1261          |
|                                             |                           | falling                  | ita1262          |
| pound                                       | pound<br>(UK)             | flat                     | ita1264          |
|                                             |                           | rising                   | ita1265          |
|                                             |                           | falling                  | ita1266          |
| pounds                                      | pounds<br>(UK)            | flat                     | ita1268          |
|                                             |                           | rising                   | ita1269          |
|                                             |                           | falling                  | ita1270          |
| penny                                       | penny<br>(UK)             | flat                     | ita1272          |
|                                             |                           | rising                   | ita1273          |
|                                             |                           | falling                  | ita1274          |
| pence                                       | pence<br>(UK)             | flat                     | ita1276          |
|                                             |                           | rising                   | ita1277          |
|                                             |                           | falling                  | ita1278          |

**Italian audio (Sheet 38 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| euro                                        | euro           | flat                     | ita1280          |
|                                             | (Euro)         | rising                   | ita1281          |
|                                             |                | falling                  | ita1282          |
| euros                                       | euros          | flat                     | ita1284          |
|                                             | (Euro)         | rising                   | ita1285          |
|                                             |                | falling                  | ita1286          |
| eurocent                                    | eurocent       | flat                     | ita1288          |
|                                             | (Euro)         | rising                   | ita1289          |
|                                             |                | falling                  | ita1290          |
| eurocents                                   | eurocents      | flat                     | ita1292          |
|                                             | (Euro)         | rising                   | ita1293          |
|                                             |                | falling                  | ita1294          |
| franc                                       | franc          | flat                     | ita1296          |
|                                             | (France)       | rising                   | ita1297          |
|                                             |                | falling                  | ita1298          |
| francs                                      | francs         | flat                     | ita1300          |
|                                             | (France)       | rising                   | ita1301          |
|                                             |                | falling                  | ita1302          |
| centime                                     | centime        | flat                     | ita1304          |
|                                             | (France)       | rising                   | ita1305          |
|                                             |                | falling                  | ita1306          |
| centimes                                    | centimes       | flat                     | ita1308          |
|                                             | (France)       | rising                   | ita1309          |
|                                             |                | falling                  | ita1310          |
| peseta                                      | peseta         | flat                     | ita1312          |
|                                             | (Spain)        | rising                   | ita1313          |
|                                             |                | falling                  | ita1314          |



**Italian audio (Sheet 39 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|---------------------------|--------------------------|------------------|
| pesetas                                     | pesetas<br>(Spain)        | flat                     | ita1316          |
|                                             |                           | rising                   | ita1317          |
|                                             |                           | falling                  | ita1318          |
| peso                                        | peso<br>(Philippines)     | flat                     | ita1328          |
|                                             |                           | rising                   | ita1329          |
|                                             |                           | falling                  | ita1330          |
| pesos                                       | pesos<br>(Philippines)    | flat                     | ita1332          |
|                                             |                           | rising                   | ita1333          |
|                                             |                           | falling                  | ita1334          |
| centavo                                     | centavo<br>(Philippines)  | flat                     | ita1336          |
|                                             |                           | rising                   | ita1337          |
|                                             |                           | falling                  | ita1338          |
| centavos                                    | centavos<br>(Philippines) | flat                     | ita1340          |
|                                             |                           | rising                   | ita1341          |
|                                             |                           | falling                  | ita1342          |
| ringgit                                     | ringgit<br>(Malaysia)     | flat                     | ita1344          |
|                                             |                           | rising                   | ita1345          |
|                                             |                           | falling                  | ita1346          |
| ringgits                                    | ringgits<br>(Malaysia)    | flat                     | ita1348          |
|                                             |                           | rising                   | ita1349          |
|                                             |                           | falling                  | ita1350          |
| sen                                         | sen<br>(Malaysia)         | flat                     | ita1352          |
|                                             |                           | rising                   | ita1353          |
|                                             |                           | falling                  | ita1354          |
| sens                                        | sens<br>(Malaysia)        | flat                     | ita1356          |
|                                             |                           | rising                   | ita1357          |
|                                             |                           | falling                  | ita1358          |

**Italian audio (Sheet 40 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-----------------------|--------------------------|------------------|
| baht                                        | baht<br>(Thailand)    | flat                     | ita1360          |
|                                             |                       | rising                   | ita1361          |
|                                             |                       | falling                  | ita1362          |
| bahts                                       | bahts<br>(Thailand)   | flat                     | ita1364          |
|                                             |                       | rising                   | ita1365          |
|                                             |                       | falling                  | ita1366          |
| satang                                      | satang<br>(Thailand)  | flat                     | ita1368          |
|                                             |                       | rising                   | ita1369          |
|                                             |                       | falling                  | ita1370          |
| satangs                                     | satangs<br>(Thailand) | flat                     | ita1372          |
|                                             |                       | rising                   | ita1373          |
|                                             |                       | falling                  | ita1374          |
| won                                         | won<br>(Korea)        | flat                     | ita1376          |
|                                             |                       | rising                   | ita1377          |
|                                             |                       | falling                  | ita1378          |
| wons                                        | wons<br>(Korea)       | flat                     | ita1380          |
|                                             |                       | rising                   | ita1381          |
|                                             |                       | falling                  | ita1382          |
| franc                                       | franc<br>(Belgium)    | flat                     | ita1384          |
|                                             |                       | rising                   | ita1385          |
|                                             |                       | falling                  | ita1386          |
| francs                                      | francs<br>(Belgium)   | flat                     | ita 1388         |
|                                             |                       | rising                   | ita1389          |
|                                             |                       | falling                  | ita1390          |
| centime                                     | centime<br>(Belgium)  | flat                     | ita1392          |
|                                             |                       | rising                   | ita1393          |
|                                             |                       | falling                  | ita1394          |

**Italian audio (Sheet 41 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|------------------------|--------------------------|------------------|
| centimes                                    | centimes<br>(Belgium)  | flat                     | ita1396          |
|                                             |                        | rising                   | ita1397          |
|                                             |                        | falling                  | ita1398          |
| dollar                                      | dollar<br>(Canada)     | flat                     | ita1400          |
|                                             |                        | rising                   | ita1401          |
|                                             |                        | falling                  | ita1402          |
| dollars                                     | dollars<br>(Canada)    | flat                     | ita1404          |
|                                             |                        | rising                   | ita1405          |
|                                             |                        | falling                  | ita1406          |
| cent                                        | cent<br>(Canada)       | flat                     | ita1408          |
|                                             |                        | rising                   | ita1409          |
|                                             |                        | falling                  | ita1410          |
| cents                                       | cents<br>(Canada)      | flat                     | ita1412          |
|                                             |                        | rising                   | ita1413          |
|                                             |                        | falling                  | ita1414          |
| dollar                                      | dollar<br>(Hong Kong)  | flat                     | ita1416          |
|                                             |                        | rising                   | ita1417          |
|                                             |                        | falling                  | ita1418          |
| dollars                                     | dollars<br>(Hong Kong) | flat                     | ita1420          |
|                                             |                        | rising                   | ita1421          |
|                                             |                        | falling                  | ita1422          |
| cent                                        | cent<br>(Hong Kong)    | flat                     | ita1424          |
|                                             |                        | rising                   | ita1425          |
|                                             |                        | falling                  | ita1426          |
| cents                                       | cents<br>(Hong Kong)   | flat                     | ita1428          |
|                                             |                        | rising                   | ita1429          |
|                                             |                        | falling                  | ita1430          |

**Italian audio (Sheet 42 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|------------------------|--------------------------|------------------|
| gok                                         | gok<br>(Hong Kong)     | flat                     | ita1488          |
|                                             |                        | rising                   | ita1489          |
|                                             |                        | falling                  | ita1490          |
| goks                                        | goks<br>(Hong Kong)    | flat                     | ita1492          |
|                                             |                        | rising                   | ita1493          |
|                                             |                        | falling                  | ita1494          |
| escudo                                      | escudo<br>(Portugal)   | flat                     | ita1432          |
|                                             |                        | rising                   | ita1433          |
|                                             |                        | falling                  | ita1434          |
| escudos                                     | escudos<br>(Portugal)  | flat                     | ita1436          |
|                                             |                        | rising                   | ita1437          |
|                                             |                        | falling                  | ita1438          |
| centavo                                     | centavo<br>(Portugal)  | flat                     | ita1440          |
|                                             |                        | rising                   | ita1441          |
|                                             |                        | falling                  | ita1442          |
| centavos                                    | centavos<br>(Portugal) | flat                     | ita1444          |
|                                             |                        | rising                   | ita1445          |
|                                             |                        | falling                  | ita1446          |
| yuan                                        | yuan<br>(China)        | flat                     | ita1448          |
|                                             |                        | rising                   | ita1449          |
|                                             |                        | falling                  | ita1450          |
| yuans                                       | yuans<br>(China)       | flat                     | ita1452          |
|                                             |                        | rising                   | ita1453          |
|                                             |                        | falling                  | ita1454          |
| jiao                                        | jiao<br>(China)        | flat                     | ita1456          |
|                                             |                        | rising                   | ita1457          |
|                                             |                        | falling                  | ita1458          |

**Italian audio (Sheet 43 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b>      | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|---------------------|--------------------------|------------------|
| jiaos                                       | jiaos<br>(China)    | flat                     | ita1460          |
|                                             |                     | rising                   | ita1461          |
|                                             |                     | falling                  | ita1462          |
| fen                                         | fen<br>(China)      | flat                     | ita1464          |
|                                             |                     | rising                   | ita1465          |
|                                             |                     | falling                  | ita1466          |
| fens                                        | fens<br>(China)     | flat                     | ita1468          |
|                                             |                     | rising                   | ita1469          |
|                                             |                     | falling                  | ita1470          |
| pound                                       | pound<br>(Ireland)  | flat                     | ita1472          |
|                                             |                     | rising                   | ita1473          |
|                                             |                     | falling                  | ita1474          |
| pounds                                      | pounds<br>(Ireland) | flat                     | ita1476          |
|                                             |                     | rising                   | ita1477          |
|                                             |                     | falling                  | ita1478          |
| penny                                       | penny<br>(Ireland)  | flat                     | ita1480          |
|                                             |                     | rising                   | ita1481          |
|                                             |                     | falling                  | ita1482          |
| pence                                       | pence<br>(Ireland)  | flat                     | ita1484          |
|                                             |                     | rising                   | ita1485          |
|                                             |                     | falling                  | ita1486          |
| un'ora                                      | one O'clock         | flat                     | ita1592          |
|                                             |                     | rising                   | ita1593          |
|                                             |                     | falling                  | ita1594          |
| della (di) sera                             | "in the evening"    | flat                     | ita1596          |
|                                             |                     | rising                   | ita1597          |
|                                             |                     | falling                  | ita1598          |

**Italian audio (Sheet 44 of 44)**

| <b>Italian phrase or English equivalent</b> | <b>English</b>     | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|--------------------|--------------------------|------------------|
| del pomeriggio                              | “in the afternoon” | flat                     | ita1600          |
|                                             |                    | rising                   | ita1601          |
|                                             |                    | falling                  | ita1602          |
| del mattino                                 | “in the morning”   | flat                     | ita1604          |
|                                             |                    | rising                   | ita1605          |
|                                             |                    | falling                  | ita1606          |
| della notte                                 | “in the night”     | flat                     | ita1608          |
|                                             |                    | rising                   | ita1609          |
|                                             |                    | falling                  | ita1610          |

## Japanese audio files

**Note 1:** Audio file names jpn508–jpn610, and jpn620–jpn622 are optional. Only record this audio if you provision the strings functionality on the system.

**Note 2:** Record audio file names jpn1200–jpn1486 only if you provision currency on the system.

### Japanese audio (Sheet 1 of 16)

| Japanese phrase or English equivalent | English | Phrase intonation | File name |
|---------------------------------------|---------|-------------------|-----------|
| zero                                  | zero    | flat              | jpn0      |
|                                       |         | rising            | jpn1      |
|                                       |         | falling           | jpn2      |
| ichi                                  | one     | flat              | jpn8      |
|                                       |         | rising            | jpn9      |
|                                       |         | falling           | jpn10     |
| ni                                    | two     | flat              | jpn12     |
|                                       |         | rising            | jpn13     |
|                                       |         | falling           | jpn14     |
| san                                   | three   | flat              | jpn16     |
|                                       |         | rising            | jpn17     |
|                                       |         | falling           | jpn18     |
| yon                                   | four    | flat              | jpn20     |
|                                       |         | rising            | jpn21     |
|                                       |         | falling           | jpn22     |
| go                                    | five    | flat              | jpn24     |
|                                       |         | rising            | jpn25     |
|                                       |         | falling           | jpn26     |

**Japanese audio (Sheet 2 of 16)**

| <b>Japanese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|----------------|--------------------------|------------------|
| roku                                         | six            | flat                     | jpn28            |
|                                              |                | rising                   | jpn29            |
|                                              |                | falling                  | jpn30            |
| nana                                         | seven          | flat                     | jpn32            |
|                                              |                | rising                   | jpn33            |
|                                              |                | falling                  | jpn34            |
| hachi                                        | eight          | flat                     | jpn36            |
|                                              |                | rising                   | jpn37            |
|                                              |                | falling                  | jpn38            |
| kyuu                                         | nine           | flat                     | jpn40            |
|                                              |                | rising                   | jpn41            |
|                                              |                | falling                  | jpn42            |
| jyuu                                         | ten            | flat                     | jpn56            |
|                                              |                | rising                   | jpn57            |
|                                              |                | falling                  | jpn58            |
| hyaku                                        | one-hundred    | flat                     | jpn132           |
|                                              |                | rising                   | jpn133           |
|                                              |                | falling                  | jpn134           |
| ni hyaku                                     | two-hundred    | flat                     | jpn136           |
|                                              |                | rising                   | jpn137           |
|                                              |                | falling                  | jpn138           |
| san byaku                                    | three-hundred  | flat                     | jpn140           |
|                                              |                | rising                   | jpn141           |
|                                              |                | falling                  | jpn142           |
| yon hyaku                                    | four-hundred   | flat                     | jpn144           |
|                                              |                | rising                   | jpn145           |
|                                              |                | falling                  | jpn146           |



**Japanese audio (Sheet 3 of 16)**

| <b>Japanese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|----------------|--------------------------|------------------|
| go hyaku                                     | five-hundred   | flat                     | jpn148           |
|                                              |                | rising                   | jpn149           |
|                                              |                | falling                  | jpn150           |
| roku pyaku                                   | six-hundred    | flat                     | jpn152           |
|                                              |                | rising                   | jpn153           |
|                                              |                | falling                  | jpn154           |
| nana hyaku                                   | seven-hundred  | flat                     | jpn156           |
|                                              |                | rising                   | jpn157           |
|                                              |                | falling                  | jpn158           |
| hachi pyaku                                  | eight-hundred  | flat                     | jpn160           |
|                                              |                | rising                   | jpn161           |
|                                              |                | falling                  | jpn162           |
| kyuu hyaku                                   | nine-hundred   | flat                     | jpn164           |
|                                              |                | rising                   | jpn165           |
|                                              |                | falling                  | jpn166           |
| sen                                          | thousand       | flat                     | jpn496           |
|                                              |                | rising                   | jpn497           |
|                                              |                | falling                  | jpn498           |
| ni sen                                       | two-thousand   | flat                     | jpn176           |
|                                              |                | rising                   | jpn177           |
|                                              |                | falling                  | jpn178           |
| sanzen                                       | three-thousand | flat                     | jpn180           |
|                                              |                | rising                   | jpn181           |
|                                              |                | falling                  | jpn182           |
| yon sen                                      | four-thousand  | flat                     | jpn184           |
|                                              |                | rising                   | jpn185           |
|                                              |                | falling                  | jpn186           |

**Japanese audio (Sheet 4 of 16)**

| <b>Japanese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|----------------|--------------------------|------------------|
| go sen                                       | five-thousand  | flat                     | jpn188           |
|                                              |                | rising                   | jpn189           |
|                                              |                | falling                  | jpn190           |
| roku sen                                     | six-thousand   | flat                     | jpn192           |
|                                              |                | rising                   | jpn193           |
|                                              |                | falling                  | jpn194           |
| nana sen                                     | seven-thousand | flat                     | jpn196           |
|                                              |                | rising                   | jpn197           |
|                                              |                | falling                  | jpn198           |
| hassen                                       | eight-thousand | flat                     | jpn200           |
|                                              |                | rising                   | jpn201           |
|                                              |                | falling                  | jpn202           |
| kyuu sen                                     | nine-thousand  | flat                     | jpn204           |
|                                              |                | rising                   | jpn205           |
|                                              |                | falling                  | jpn206           |
| optional                                     | a              | flat                     | jpn508           |
|                                              |                | rising                   | jpn509           |
|                                              |                | falling                  | jpn510           |
| optional                                     | b              | flat                     | jpn512           |
|                                              |                | rising                   | jpn513           |
|                                              |                | falling                  | jpn514           |
| optional                                     | c              | flat                     | jpn516           |
|                                              |                | rising                   | jpn517           |
|                                              |                | falling                  | jpn518           |
| optional                                     | d              | flat                     | jpn520           |
|                                              |                | rising                   | jpn521           |
|                                              |                | falling                  | jpn522           |

**Japanese audio (Sheet 5 of 16)**

| <b>Japanese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|----------------|--------------------------|------------------|
| optional                                     | e              | flat                     | jpn524           |
|                                              |                | rising                   | jpn525           |
|                                              |                | falling                  | jpn526           |
| optional                                     | f              | flat                     | jpn528           |
|                                              |                | rising                   | jpn529           |
|                                              |                | falling                  | jpn530           |
| optional                                     | g              | flat                     | jpn532           |
|                                              |                | rising                   | jpn533           |
|                                              |                | falling                  | jpn534           |
| optional                                     | h              | flat                     | jpn536           |
|                                              |                | rising                   | jpn537           |
|                                              |                | falling                  | jpn538           |
| optional                                     | i              | flat                     | jpn540           |
|                                              |                | rising                   | jpn541           |
|                                              |                | falling                  | jpn542           |
| optional                                     | j              | flat                     | jpn544           |
|                                              |                | rising                   | jpn545           |
|                                              |                | falling                  | jpn546           |
| optional                                     | k              | flat                     | jpn548           |
|                                              |                | rising                   | jpn549           |
|                                              |                | falling                  | jpn550           |
| optional                                     | l              | flat                     | jpn552           |
|                                              |                | rising                   | jpn553           |
|                                              |                | falling                  | jpn554           |
| optional                                     | m              | flat                     | jpn556           |
|                                              |                | rising                   | jpn557           |
|                                              |                | falling                  | jpn558           |

**Japanese audio (Sheet 6 of 16)**

| <b>Japanese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|----------------|--------------------------|------------------|
| optional                                     | n              | flat                     | jpn560           |
|                                              |                | rising                   | jpn561           |
|                                              |                | falling                  | jpn562           |
| optional                                     | o              | flat                     | jpn564           |
|                                              |                | rising                   | jpn565           |
|                                              |                | falling                  | jpn566           |
| optional                                     | p              | flat                     | jpn568           |
|                                              |                | rising                   | jpn569           |
|                                              |                | falling                  | jpn570           |
| optional                                     | q              | flat                     | jpn572           |
|                                              |                | rising                   | jpn573           |
|                                              |                | falling                  | jpn574           |
| optional                                     | r              | flat                     | jpn576           |
|                                              |                | rising                   | jpn577           |
|                                              |                | falling                  | jpn578           |
| optional                                     | s              | flat                     | jpn580           |
|                                              |                | rising                   | jpn581           |
|                                              |                | falling                  | jpn582           |
| optional                                     | t              | flat                     | jpn584           |
|                                              |                | rising                   | jpn585           |
|                                              |                | falling                  | jpn586           |
| optional                                     | u              | flat                     | jpn588           |
|                                              |                | rising                   | jpn589           |
|                                              |                | falling                  | jpn590           |
| optional                                     | v              | flat                     | jpn592           |
|                                              |                | rising                   | jpn593           |
|                                              |                | falling                  | jpn594           |

**Japanese audio (Sheet 7 of 16)**

| Japanese phrase or English equivalent | English  | Phrase intonation | File name |
|---------------------------------------|----------|-------------------|-----------|
| optional                              | w        | flat              | jpn596    |
|                                       |          | rising            | jpn597    |
|                                       |          | falling           | jpn598    |
| optional                              | x        | flat              | jpn600    |
|                                       |          | rising            | jpn601    |
|                                       |          | falling           | jpn602    |
| optional                              | y        | flat              | jpn604    |
|                                       |          | rising            | jpn605    |
|                                       |          | falling           | jpn606    |
| optional                              | z        | flat              | jpn608    |
|                                       |          | rising            | jpn609    |
|                                       |          | falling           | jpn610    |
| mainasu                               | negative | flat              | jpn616    |
|                                       |          | rising            | jpn617    |
|                                       |          | falling           | jpn618    |
| to                                    | and      | flat              | jpn620    |
|                                       |          | rising            | jpn621    |
|                                       |          | falling           | jpn622    |
| ji                                    | hour     | flat              | jpn624    |
|                                       |          | rising            | jpn625    |
|                                       |          | falling           | jpn626    |
| byou                                  | second   | flat              | jpn640    |
|                                       |          | rising            | jpn641    |
|                                       |          | falling           | jpn642    |
| nichi youbi                           | Sunday   | flat              | jpn696    |
|                                       |          | rising            | jpn697    |
|                                       |          | falling           | jpn698    |

**Japanese audio (Sheet 8 of 16)**

| <b>Japanese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|----------------|--------------------------|------------------|
| getsu youbi                                  | Monday         | flat                     | jpn700           |
|                                              |                | rising                   | jpn701           |
|                                              |                | falling                  | jpn702           |
| ka youbi                                     | Tuesday        | flat                     | jpn704           |
|                                              |                | rising                   | jpn705           |
|                                              |                | falling                  | jpn706           |
| sui youbi                                    | Wednesday      | flat                     | jpn708           |
|                                              |                | rising                   | jpn709           |
|                                              |                | falling                  | jpn710           |
| moku youbi                                   | Thursday       | flat                     | jpn712           |
|                                              |                | rising                   | jpn713           |
|                                              |                | falling                  | jpn714           |
| kin youbi                                    | Friday         | flat                     | jpn716           |
|                                              |                | rising                   | jpn717           |
|                                              |                | falling                  | jpn718           |
| do youbi                                     | Saturday       | flat                     | jpn720           |
|                                              |                | rising                   | jpn721           |
|                                              |                | falling                  | jpn722           |
| shaapu                                       | pound sign (#) | flat                     | jpn896           |
|                                              |                | rising                   | jpn897           |
|                                              |                | falling                  | jpn898           |
| sutaa                                        | asterisk (*)   | flat                     | jpn900           |
|                                              |                | rising                   | jpn901           |
|                                              |                | falling                  | jpn902           |
| gozen                                        | a.m.           | flat                     | jpn908           |
|                                              |                | rising                   | jpn909           |
|                                              |                | falling                  | jpn910           |

**Japanese audio (Sheet 9 of 16)**

| Japanese phrase or English equivalent | English                                                 | Phrase intonation | File name |
|---------------------------------------|---------------------------------------------------------|-------------------|-----------|
| gogo                                  | p.m.                                                    | flat              | jpn912    |
|                                       |                                                         | rising            | jpn913    |
|                                       |                                                         | falling           | jpn914    |
| rei                                   | zero (used with o'clock, minutes, seconds)              | flat              | jpn920    |
|                                       |                                                         | rising            | jpn921    |
|                                       |                                                         | falling           | jpn922    |
| ippun                                 | one<br>(one minute)                                     | flat              | jpn924    |
|                                       |                                                         | rising            | jpn925    |
|                                       |                                                         | falling           | jpn926    |
| fun                                   | minutes (used with number ending with 2, 5, 7, 9)       | flat              | jpn928    |
|                                       |                                                         | rising            | jpn929    |
|                                       |                                                         | falling           | jpn930    |
| pun                                   | minutes (used with number ending with 1, 3, 4, 6, 8, 0) | flat              | jpn932    |
|                                       |                                                         | rising            | jpn933    |
|                                       |                                                         | falling           | jpn934    |
| rop                                   | six minutes                                             | flat              | jpn936    |
|                                       |                                                         | rising            | jpn937    |
|                                       |                                                         | falling           | jpn938    |
| hap                                   | eight minutes                                           | flat              | jpn940    |
|                                       |                                                         | rising            | jpn941    |
|                                       |                                                         | falling           | jpn942    |
| jyu                                   | ten minutes                                             | flat              | jpn944    |
|                                       |                                                         | rising            | jpn945    |
|                                       |                                                         | falling           | jpn946    |
| shichi                                | seven (used with 17th, 27th day of month)               | flat              | jpn952    |
|                                       |                                                         | rising            | jpn953    |
|                                       |                                                         | falling           | jpn954    |

**Japanese audio (Sheet 10 of 16)**

| Japanese phrase or English equivalent | English                                           | Phrase intonation | File name |
|---------------------------------------|---------------------------------------------------|-------------------|-----------|
| kyuu                                  | nine (used with o'clock, 19th, 29th day of month) | flat              | jpn956    |
|                                       |                                                   | rising            | jpn957    |
|                                       |                                                   | falling           | jpn958    |
| man                                   | ten thousand                                      | flat              | jpn960    |
|                                       |                                                   | rising            | jpn961    |
|                                       |                                                   | falling           | jpn962    |
| oku                                   | 100 million                                       | flat              | jpn964    |
|                                       |                                                   | rising            | jpn965    |
|                                       |                                                   | falling           | jpn966    |
| is                                    | one (used with 100 million)                       | flat              | jpn968    |
|                                       |                                                   | rising            | jpn969    |
|                                       |                                                   | falling           | jpn970    |
| tsuitach                              | first (day of month)                              | flat              | jpn980    |
|                                       |                                                   | rising            | jpn981    |
|                                       |                                                   | falling           | jpn982    |
| futsuka                               | second (day of month)                             | flat              | jpn984    |
|                                       |                                                   | rising            | jpn985    |
|                                       |                                                   | falling           | jpn986    |
| mikka                                 | third (day of month)                              | flat              | jpn988    |
|                                       |                                                   | rising            | jpn989    |
|                                       |                                                   | falling           | jpn990    |
| yokka                                 | fourth (day of month)                             | flat              | jpn992    |
|                                       |                                                   | rising            | jpn993    |
|                                       |                                                   | falling           | jpn994    |
| itsuka                                | fifth                                             | flat              | jpn996    |
|                                       |                                                   | rising            | jpn997    |
|                                       |                                                   | falling           | jpn998    |



**Japanese audio (Sheet 11 of 16)**

| <b>Japanese phrase or English equivalent</b> | <b>English</b>                 | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|--------------------------------|--------------------------|------------------|
| muika                                        | sixth                          | flat                     | jpn1000          |
|                                              |                                | rising                   | jpn1001          |
|                                              |                                | falling                  | jpn1002          |
| nanoka                                       | seventh                        | flat                     | jpn1004          |
|                                              |                                | rising                   | jpn1005          |
|                                              |                                | falling                  | jpn1006          |
| youka                                        | eighth                         | flat                     | jpn1008          |
|                                              |                                | rising                   | jpn1009          |
|                                              |                                | falling                  | jpn1010          |
| kokonoka                                     | ninth                          | flat                     | jpn1012          |
|                                              |                                | rising                   | jpn1013          |
|                                              |                                | falling                  | jpn1014          |
| touka                                        | tenth                          | flat                     | jpn1016          |
|                                              |                                | rising                   | jpn1017          |
|                                              |                                | falling                  | jpn1018          |
| hatsuka                                      | twentieth                      | flat                     | jpn1020          |
|                                              |                                | rising                   | jpn1021          |
|                                              |                                | falling                  | jpn1022          |
| nichi                                        | th (to make days of the month) | flat                     | jpn1024          |
|                                              |                                | rising                   | jpn1025          |
|                                              |                                | falling                  | jpn1026          |
| gatsu                                        | month                          | flat                     | jpn1028          |
|                                              |                                | rising                   | jpn1029          |
|                                              |                                | falling                  | jpn1030          |
| nen                                          | year (used for year)           | flat                     | jpn1032          |
|                                              |                                | rising                   | jpn1033          |
|                                              |                                | falling                  | jpn1034          |

**Japanese audio (Sheet 12 of 16)**

| <b>Japanese phrase or English equivalent</b> | <b>English</b>              | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|-----------------------------|--------------------------|------------------|
| banme                                        | th (rank)                   | flat                     | jpn1036          |
|                                              |                             | rising                   | jpn1037          |
|                                              |                             | falling                  | jpn1038          |
| jikan                                        | hour(s) (used for duration) | flat                     | jpn1040          |
|                                              |                             | rising                   | jpn1041          |
|                                              |                             | falling                  | jpn1042          |
| Dollar                                       | dollar<br>(US)              | flat                     | jpn1200          |
|                                              |                             | rising                   | jpn1201          |
|                                              |                             | falling                  | jpn1202          |
| Cent                                         | cent<br>(US)                | flat                     | jpn1208          |
|                                              |                             | rising                   | jpn1209          |
|                                              |                             | falling                  | jpn1210          |
| mark                                         | mark<br>(Germany)           | flat                     | jpn1216          |
|                                              |                             | rising                   | jpn1217          |
|                                              |                             | falling                  | jpn1218          |
| pfennig                                      | pfennig<br>(Germany)        | flat                     | jpn1224          |
|                                              |                             | rising                   | jpn1225          |
|                                              |                             | falling                  | jpn1226          |
| yen                                          | yen<br>(Japan)              | flat                     | jpn1232          |
|                                              |                             | rising                   | jpn1233          |
|                                              |                             | falling                  | jpn1234          |
| lira                                         | lira<br>(Italy)             | flat                     | jpn1240          |
|                                              |                             | rising                   | jpn1241          |
|                                              |                             | falling                  | jpn1242          |
| guilder                                      | guilder<br>(Netherlands)    | flat                     | jpn1248          |
|                                              |                             | rising                   | jpn1249          |
|                                              |                             | falling                  | jpn1250          |

**Japanese audio (Sheet 13 of 16)**

| <b>Japanese phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|-----------------------|--------------------------|------------------|
| cent                                         | cent<br>(Netherlands) | flat                     | jpn1256          |
|                                              |                       | rising                   | jpn1257          |
|                                              |                       | falling                  | jpn1258          |
| pound                                        | pound<br>(UK)         | flat                     | jpn1264          |
|                                              |                       | rising                   | jpn1265          |
|                                              |                       | falling                  | jpn1266          |
| pence                                        | pence<br>(UK)         | flat                     | jpn1276          |
|                                              |                       | rising                   | jpn1277          |
|                                              |                       | falling                  | jpn1278          |
| euro                                         | euro<br>(Euro)        | flat                     | jpn1280          |
|                                              |                       | rising                   | jpn1281          |
|                                              |                       | falling                  | jpn1282          |
| eurocent                                     | eurocent<br>(Euro)    | flat                     | jpn1288          |
|                                              |                       | rising                   | jpn1289          |
|                                              |                       | falling                  | jpn1290          |
| franc                                        | franc<br>(France)     | flat                     | jpn1296          |
|                                              |                       | rising                   | jpn1297          |
|                                              |                       | falling                  | jpn1298          |
| centime                                      | centime<br>(France)   | flat                     | jpn1304          |
|                                              |                       | rising                   | jpn1305          |
|                                              |                       | falling                  | jpn1306          |
| peseta                                       | peseta<br>(Spain)     | flat                     | jpn1312          |
|                                              |                       | rising                   | jpn1313          |
|                                              |                       | falling                  | jpn1314          |
| peso                                         | peso<br>(Philippines) | flat                     | jpn1328          |
|                                              |                       | rising                   | jpn1329          |
|                                              |                       | falling                  | jpn1330          |

**Japanese audio (Sheet 14 of 16)**

| <b>Japanese phrase or English equivalent</b> | <b>English</b>           | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|--------------------------|--------------------------|------------------|
| centavo                                      | centavo<br>(Philippines) | flat                     | jpn1336          |
|                                              |                          | rising                   | jpn1337          |
|                                              |                          | falling                  | jpn1338          |
| ringgit                                      | ringgit<br>(Malaysia)    | flat                     | jpn1344          |
|                                              |                          | rising                   | jpn1345          |
|                                              |                          | falling                  | jpn1346          |
| sen                                          | sen<br>(Malaysia)        | flat                     | jpn1352          |
|                                              |                          | rising                   | jpn1353          |
|                                              |                          | falling                  | jpn1354          |
| baht                                         | baht<br>(Thailand)       | flat                     | jpn1360          |
|                                              |                          | rising                   | jpn1361          |
|                                              |                          | falling                  | jpn1362          |
| satang                                       | satang<br>(Thailand)     | flat                     | jpn1368          |
|                                              |                          | rising                   | jpn1369          |
|                                              |                          | falling                  | jpn1370          |
| won                                          | won<br>(Korea)           | flat                     | jpn1376          |
|                                              |                          | rising                   | jpn1377          |
|                                              |                          | falling                  | jpn1378          |
| franc                                        | franc<br>(Belgium)       | flat                     | jpn1384          |
|                                              |                          | rising                   | jpn1385          |
|                                              |                          | falling                  | jpn1386          |
| centime                                      | centime<br>(Belgium)     | flat                     | jpn1392          |
|                                              |                          | rising                   | jpn1393          |
|                                              |                          | falling                  | jpn1394          |
| dollar                                       | dollar<br>(Canada)       | flat                     | jpn1400          |
|                                              |                          | rising                   | jpn1401          |
|                                              |                          | falling                  | jpn1402          |

**Japanese audio (Sheet 15 of 16)**

| <b>Japanese phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|-----------------------|--------------------------|------------------|
| cent                                         | cent<br>(Canada)      | flat                     | jpn1408          |
|                                              |                       | rising                   | jpn1409          |
|                                              |                       | falling                  | jpn1410          |
| dollar                                       | dollar<br>(Hong Kong) | flat                     | jpn1416          |
|                                              |                       | rising                   | jpn1417          |
|                                              |                       | falling                  | jpn1418          |
| cent                                         | cent<br>(Hong Kong)   | flat                     | jpn1424          |
|                                              |                       | rising                   | jpn1425          |
|                                              |                       | falling                  | jpn1426          |
| Gok                                          | gok<br>(Hong Kong)    | flat                     | jpn1488          |
|                                              |                       | rising                   | jpn1489          |
|                                              |                       | falling                  | jpn1490          |
| escudo                                       | escudo<br>(Portugal)  | flat                     | jpn1432          |
|                                              |                       | rising                   | jpn1433          |
|                                              |                       | falling                  | jpn1434          |
| centavo                                      | centavo<br>(Portugal) | flat                     | jpn1440          |
|                                              |                       | rising                   | jpn1441          |
|                                              |                       | falling                  | jpn1442          |
| yuan                                         | yuan<br>(China)       | flat                     | jpn1448          |
|                                              |                       | rising                   | jpn1449          |
|                                              |                       | falling                  | jpn1450          |
| jiao                                         | jiao<br>(China)       | flat                     | jpn1456          |
|                                              |                       | rising                   | jpn1457          |
|                                              |                       | falling                  | jpn1458          |
| fen                                          | fen<br>(China)        | flat                     | jpn1464          |
|                                              |                       | rising                   | jpn1465          |
|                                              |                       | falling                  | jpn1466          |

**Japanese audio (Sheet 16 of 16)**

| <b>Japanese phrase or English equivalent</b> | <b>English</b>     | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|--------------------|--------------------------|------------------|
| pound                                        | pound<br>(Ireland) | flat                     | jpn1472          |
|                                              |                    | rising                   | jpn1473          |
|                                              |                    | falling                  | jpn1474          |
| pence                                        | pence<br>(Ireland) | flat                     | jpn1484          |
|                                              |                    | rising                   | jpn1485          |
|                                              |                    | falling                  | jpn1486          |

## Korean audio files

**Note 1:** Audio file names kor508–kor610 are optional. Only record this audio if you provision the strings functionality on the system.

**Note 2:** Audio file names kor920–kor994 are used for ordinal numbers and to modify the noun, “hour(s).”

**Note 3:** Record audio file names kor1200–kor1486 only if you provision currency on the system.

### Korean audio (Sheet 1 of 14)

| Korean phrase or English equivalent | English | Phrase intonation | File name |
|-------------------------------------|---------|-------------------|-----------|
| young                               | zero    | flat              | kor0      |
|                                     |         | rising            | kor1      |
|                                     |         | falling           | kor2      |
| il                                  | one     | flat              | kor8      |
|                                     |         | rising            | kor9      |
|                                     |         | falling           | kor10     |
| i                                   | two     | flat              | kor12     |
|                                     |         | rising            | kor13     |
|                                     |         | falling           | kor14     |
| sam                                 | three   | flat              | kor16     |
|                                     |         | rising            | kor17     |
|                                     |         | falling           | kor18     |
| sa                                  | four    | flat              | kor20     |
|                                     |         | rising            | kor21     |
|                                     |         | falling           | kor22     |
| o                                   | five    | flat              | kor24     |
|                                     |         | rising            | kor25     |
|                                     |         | falling           | kor26     |

**Korean audio (Sheet 2 of 14)**

| <b>Korean phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| yook                                       | six            | flat                     | kor28            |
|                                            |                | rising                   | kor29            |
|                                            |                | falling                  | kor30            |
| chil                                       | seven          | flat                     | kor32            |
|                                            |                | rising                   | kor33            |
|                                            |                | falling                  | kor34            |
| pal                                        | eight          | flat                     | kor36            |
|                                            |                | rising                   | kor37            |
|                                            |                | falling                  | kor38            |
| gu                                         | nine           | flat                     | kor40            |
|                                            |                | rising                   | kor41            |
|                                            |                | falling                  | kor42            |
| ship                                       | ten            | flat                     | kor56            |
|                                            |                | rising                   | kor57            |
|                                            |                | falling                  | kor58            |
| baek                                       | hundred        | flat                     | kor132           |
|                                            |                | rising                   | kor133           |
|                                            |                | falling                  | kor134           |
| ch'on                                      | thousand       | flat                     | kor496           |
|                                            |                | rising                   | kor497           |
|                                            |                | falling                  | kor498           |
| optional                                   | a              | flat                     | kor508           |
|                                            |                | rising                   | kor509           |
|                                            |                | falling                  | kor510           |
| optional                                   | b              | flat                     | kor512           |
|                                            |                | rising                   | kor513           |
|                                            |                | falling                  | kor514           |



**Korean audio (Sheet 3 of 14)**

| <b>Korean phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| optional                                   | c              | flat                     | kor516           |
|                                            |                | rising                   | kor517           |
|                                            |                | falling                  | kor518           |
| optional                                   | d              | flat                     | kor520           |
|                                            |                | rising                   | kor521           |
|                                            |                | falling                  | kor522           |
| optional                                   | e              | flat                     | kor524           |
|                                            |                | rising                   | kor525           |
|                                            |                | falling                  | kor526           |
| optional                                   | f              | flat                     | kor528           |
|                                            |                | rising                   | kor529           |
|                                            |                | falling                  | kor530           |
| optional                                   | g              | flat                     | kor532           |
|                                            |                | rising                   | kor533           |
|                                            |                | falling                  | kor534           |
| optional                                   | h              | flat                     | kor536           |
|                                            |                | rising                   | kor537           |
|                                            |                | falling                  | kor538           |
| optional                                   | i              | flat                     | kor540           |
|                                            |                | rising                   | kor541           |
|                                            |                | falling                  | kor542           |
| optional                                   | j              | flat                     | kor544           |
|                                            |                | rising                   | kor545           |
|                                            |                | falling                  | kor546           |
| optional                                   | k              | flat                     | kor548           |
|                                            |                | rising                   | kor549           |
|                                            |                | falling                  | kor550           |

**Korean audio (Sheet 4 of 14)**

| <b>Korean phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| optional                                   | l              | flat                     | kor552           |
|                                            |                | rising                   | kor553           |
|                                            |                | falling                  | kor554           |
| optional                                   | m              | flat                     | kor556           |
|                                            |                | rising                   | kor557           |
|                                            |                | falling                  | kor558           |
| optional                                   | n              | flat                     | kor560           |
|                                            |                | rising                   | kor561           |
|                                            |                | falling                  | kor562           |
| optional                                   | o              | flat                     | kor564           |
|                                            |                | rising                   | kor565           |
|                                            |                | falling                  | kor566           |
| optional                                   | p              | flat                     | kor568           |
|                                            |                | rising                   | kor569           |
|                                            |                | falling                  | kor570           |
| optional                                   | q              | flat                     | kor572           |
|                                            |                | rising                   | kor573           |
|                                            |                | falling                  | kor574           |
| optional                                   | r              | flat                     | kor576           |
|                                            |                | rising                   | kor577           |
|                                            |                | falling                  | kor578           |
| optional                                   | s              | flat                     | kor580           |
|                                            |                | rising                   | kor581           |
|                                            |                | falling                  | kor582           |
| optional                                   | t              | flat                     | kor584           |
|                                            |                | rising                   | kor585           |
|                                            |                | falling                  | kor586           |

**Korean audio (Sheet 5 of 14)**

| <b>Korean phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| optional                                   | u              | flat                     | kor588           |
|                                            |                | rising                   | kor589           |
|                                            |                | falling                  | kor590           |
| optional                                   | v              | flat                     | kor592           |
|                                            |                | rising                   | kor593           |
|                                            |                | falling                  | kor594           |
| optional                                   | w              | flat                     | kor596           |
|                                            |                | rising                   | kor597           |
|                                            |                | falling                  | kor598           |
| optional                                   | x              | flat                     | kor600           |
|                                            |                | rising                   | kor601           |
|                                            |                | falling                  | kor602           |
| optional                                   | y              | flat                     | kor604           |
|                                            |                | rising                   | kor605           |
|                                            |                | falling                  | kor606           |
| optional                                   | z              | flat                     | kor608           |
|                                            |                | rising                   | kor609           |
|                                            |                | falling                  | kor610           |
| minus                                      | negative       | flat                     | kor616           |
|                                            |                | rising                   | kor617           |
|                                            |                | falling                  | kor618           |
| mit                                        | and            | flat                     | kor620           |
|                                            |                | rising                   | kor621           |
|                                            |                | falling                  | kor622           |
| si                                         | hour           | flat                     | kor624           |
|                                            |                | rising                   | kor625           |
|                                            |                | falling                  | kor626           |

**Korean audio (Sheet 6 of 14)**

| <b>Korean phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| boon                                       | minute         | flat                     | kor632           |
|                                            |                | rising                   | kor633           |
|                                            |                | falling                  | kor634           |
| cho                                        | second         | flat                     | kor640           |
|                                            |                | rising                   | kor641           |
|                                            |                | falling                  | kor642           |
| il-yo-il                                   | Sunday         | flat                     | kor696           |
|                                            |                | rising                   | kor697           |
|                                            |                | falling                  | kor698           |
| wol-yo-il                                  | Monday         | flat                     | kor700           |
|                                            |                | rising                   | kor701           |
|                                            |                | falling                  | kor702           |
| hwa-yo-il                                  | Tuesday        | flat                     | kor704           |
|                                            |                | rising                   | kor705           |
|                                            |                | falling                  | kor706           |
| soo-yo-il                                  | Wednesday      | flat                     | kor708           |
|                                            |                | rising                   | kor709           |
|                                            |                | falling                  | kor710           |
| mok-yo-il                                  | Thursday       | flat                     | kor712           |
|                                            |                | rising                   | kor713           |
|                                            |                | falling                  | kor714           |
| geum-yo-il                                 | Friday         | flat                     | kor716           |
|                                            |                | rising                   | kor717           |
|                                            |                | falling                  | kor718           |
| to-yo-il                                   | Saturday       | flat                     | kor720           |
|                                            |                | rising                   | kor721           |
|                                            |                | falling                  | kor722           |

**Korean audio (Sheet 7 of 14)**

| <b>Korean phrase or English equivalent</b> | <b>English</b>    | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|-------------------|--------------------------|------------------|
| pound                                      | pound sign<br>(#) | flat                     | kor896           |
|                                            |                   | rising                   | kor897           |
|                                            |                   | falling                  | kor898           |
| byul                                       | asterisk<br>(*)   | flat                     | kor900           |
|                                            |                   | rising                   | kor901           |
|                                            |                   | falling                  | kor902           |
| o-jeon                                     | a.m.              | flat                     | kor908           |
|                                            |                   | rising                   | kor909           |
|                                            |                   | falling                  | kor910           |
| o-hoo                                      | p.m.              | flat                     | kor912           |
|                                            |                   | rising                   | kor913           |
|                                            |                   | falling                  | kor914           |
| han                                        | one               | flat                     | kor920           |
|                                            |                   | rising                   | kor921           |
|                                            |                   | falling                  | kor922           |
| doo                                        | two               | flat                     | kor924           |
|                                            |                   | rising                   | kor925           |
|                                            |                   | falling                  | kor926           |
| se                                         | three             | flat                     | kor928           |
|                                            |                   | rising                   | kor929           |
|                                            |                   | falling                  | kor930           |
| ne                                         | four              | flat                     | kor932           |
|                                            |                   | rising                   | kor933           |
|                                            |                   | falling                  | kor934           |
| da-sut                                     | five              | flat                     | kor936           |
|                                            |                   | rising                   | kor937           |
|                                            |                   | falling                  | kor938           |

**Korean audio (Sheet 8 of 14)**

| <b>Korean phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| yeo-sut                                    | six            | flat                     | kor940           |
|                                            |                | rising                   | kor941           |
|                                            |                | falling                  | kor942           |
| il-gop                                     | seven          | flat                     | kor944           |
|                                            |                | rising                   | kor945           |
|                                            |                | falling                  | kor946           |
| yeo-dul                                    | eight          | flat                     | kor948           |
|                                            |                | rising                   | kor949           |
|                                            |                | falling                  | kor950           |
| a-hop                                      | nine           | flat                     | kor952           |
|                                            |                | rising                   | kor953           |
|                                            |                | falling                  | kor954           |
| yeol                                       | ten            | flat                     | kor956           |
|                                            |                | rising                   | kor957           |
|                                            |                | falling                  | kor958           |
| sumul                                      | twenty         | flat                     | kor960           |
|                                            |                | rising                   | kor961           |
|                                            |                | falling                  | kor962           |
| se-reum                                    | thirty         | flat                     | kor964           |
|                                            |                | rising                   | kor965           |
|                                            |                | falling                  | kor966           |
| ma-heun                                    | forty          | flat                     | kor968           |
|                                            |                | rising                   | kor969           |
|                                            |                | falling                  | kor970           |
| shin                                       | fifty          | flat                     | kor972           |
|                                            |                | rising                   | kor973           |
|                                            |                | falling                  | kor974           |

**Korean audio (Sheet 9 of 14)**

| <b>Korean phrase or English equivalent</b> | <b>English</b>          | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|-------------------------|--------------------------|------------------|
| ye-shun                                    | sixty                   | flat                     | kor976           |
|                                            |                         | rising                   | kor977           |
|                                            |                         | falling                  | kor978           |
| il-heun                                    | seventy                 | flat                     | kor980           |
|                                            |                         | rising                   | kor981           |
|                                            |                         | falling                  | kor982           |
| yu-deun                                    | eighty                  | flat                     | kor984           |
|                                            |                         | rising                   | kor985           |
|                                            |                         | falling                  | kor986           |
| a-heun                                     | ninety                  | flat                     | kor988           |
|                                            |                         | rising                   | kor989           |
|                                            |                         | falling                  | kor990           |
| chut                                       | first (used as ordinal) | flat                     | kor992           |
|                                            |                         | rising                   | kor993           |
|                                            |                         | falling                  | kor994           |
| man                                        | ten-thousand            | flat                     | kor996           |
|                                            |                         | rising                   | kor997           |
|                                            |                         | falling                  | kor998           |
| ock                                        | hundred-million         | flat                     | kor1000          |
|                                            |                         | rising                   | kor1001          |
|                                            |                         | falling                  | kor1002          |
| wol                                        | month                   | flat                     | kor1004          |
|                                            |                         | rising                   | kor1005          |
|                                            |                         | falling                  | kor1006          |
| nyeon                                      | year                    | flat                     | kor1008          |
|                                            |                         | rising                   | kor1009          |
|                                            |                         | falling                  | kor1010          |

**Korean audio (Sheet 10 of 14)**

| <b>Korean phrase or English equivalent</b> | <b>English</b>             | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------------------|--------------------------|------------------|
| b'on-che                                   | rank (ordinal)             | flat                     | kor1012          |
|                                            |                            | rising                   | kor1013          |
|                                            |                            | falling                  | kor1014          |
| sigan                                      | hours (used with duration) | flat                     | kor1016          |
|                                            |                            | rising                   | kor1017          |
|                                            |                            | falling                  | kor1018          |
| Dollar                                     | dollar<br>(US)             | flat                     | kor1200          |
|                                            |                            | rising                   | kor1201          |
|                                            |                            | falling                  | kor1202          |
| Cent                                       | cent<br>(US)               | flat                     | kor1208          |
|                                            |                            | rising                   | kor1209          |
|                                            |                            | falling                  | kor1210          |
| mark                                       | mark<br>(Germany)          | flat                     | kor1216          |
|                                            |                            | rising                   | kor1217          |
|                                            |                            | falling                  | kor1218          |
| pfennig                                    | pfennig<br>(Germany)       | flat                     | kor1224          |
|                                            |                            | rising                   | kor1225          |
|                                            |                            | falling                  | kor1226          |
| yen                                        | yen<br>(Japan)             | flat                     | kor1232          |
|                                            |                            | rising                   | kor1233          |
|                                            |                            | falling                  | kor1234          |
| lira                                       | lira<br>(Italy)            | flat                     | kor1240          |
|                                            |                            | rising                   | kor1241          |
|                                            |                            | falling                  | kor1242          |
| guilder                                    | guilder<br>(Netherlands)   | flat                     | kor1248          |
|                                            |                            | rising                   | kor1249          |
|                                            |                            | falling                  | kor1250          |



**Korean audio (Sheet 11 of 14)**

| <b>Korean phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|-----------------------|--------------------------|------------------|
| cent                                       | cent<br>(Netherlands) | flat                     | kor1256          |
|                                            |                       | rising                   | kor1257          |
|                                            |                       | falling                  | kor1258          |
| pound                                      | pound<br>(UK)         | flat                     | kor1264          |
|                                            |                       | rising                   | kor1265          |
|                                            |                       | falling                  | kor1266          |
| pence                                      | pence<br>(UK)         | flat                     | kor1276          |
|                                            |                       | rising                   | kor1277          |
|                                            |                       | falling                  | kor1278          |
| euro                                       | euro<br>(Euro)        | flat                     | kor1280          |
|                                            |                       | rising                   | kor1281          |
|                                            |                       | falling                  | kor1282          |
| eurocent                                   | eurocent<br>(Euro)    | flat                     | kor1288          |
|                                            |                       | rising                   | kor1289          |
|                                            |                       | falling                  | kor1290          |
| franc                                      | franc<br>(France)     | flat                     | kor1296          |
|                                            |                       | rising                   | kor1297          |
|                                            |                       | falling                  | kor1298          |
| centime                                    | centime<br>(France)   | flat                     | kor1304          |
|                                            |                       | rising                   | kor1305          |
|                                            |                       | falling                  | kor1306          |
| peseta                                     | peseta<br>(Spain)     | flat                     | kor1312          |
|                                            |                       | rising                   | kor1313          |
|                                            |                       | falling                  | kor1314          |
| peso                                       | peso<br>(Philippines) | flat                     | kor1328          |
|                                            |                       | rising                   | kor1329          |
|                                            |                       | falling                  | kor1330          |

**Korean audio (Sheet 12 of 14)**

| <b>Korean phrase or English equivalent</b> | <b>English</b>           | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|--------------------------|--------------------------|------------------|
| centavo                                    | centavo<br>(Philippines) | flat                     | kor1336          |
|                                            |                          | rising                   | kor1337          |
|                                            |                          | falling                  | kor1338          |
| ringgit                                    | ringgit<br>(Malaysia)    | flat                     | kor1344          |
|                                            |                          | rising                   | kor1345          |
|                                            |                          | falling                  | kor1346          |
| sen                                        | sen<br>(Malaysia)        | flat                     | kor1352          |
|                                            |                          | rising                   | kor1353          |
|                                            |                          | falling                  | kor1354          |
| baht                                       | baht<br>(Thailand)       | flat                     | kor1360          |
|                                            |                          | rising                   | kor1361          |
|                                            |                          | falling                  | kor1362          |
| satang                                     | satang<br>(Thailand)     | flat                     | kor1368          |
|                                            |                          | rising                   | kor1369          |
|                                            |                          | falling                  | kor1370          |
| won                                        | won<br>(Korea)           | flat                     | kor1376          |
|                                            |                          | rising                   | kor1377          |
|                                            |                          | falling                  | kor1378          |
| franc                                      | franc<br>(Belgium)       | flat                     | kor1384          |
|                                            |                          | rising                   | kor1385          |
|                                            |                          | falling                  | kor1386          |
| centime                                    | centime<br>(Belgium)     | flat                     | kor1392          |
|                                            |                          | rising                   | kor1393          |
|                                            |                          | falling                  | kor1394          |
| dollar                                     | dollar<br>(Canada)       | flat                     | kor1400          |
|                                            |                          | rising                   | kor1401          |
|                                            |                          | falling                  | kor1402          |

**Korean audio (Sheet 13 of 14)**

| <b>Korean phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|-----------------------|--------------------------|------------------|
| cent                                       | cent<br>(Canada)      | flat                     | kor1408          |
|                                            |                       | rising                   | kor1409          |
|                                            |                       | falling                  | kor1410          |
| dollar                                     | dollar<br>(Hong Kong) | flat                     | kor1416          |
|                                            |                       | rising                   | kor1417          |
|                                            |                       | falling                  | kor1418          |
| cent                                       | cent<br>(Hong Kong)   | flat                     | kor1424          |
|                                            |                       | rising                   | kor1425          |
|                                            |                       | falling                  | kor1426          |
| Gok                                        | gok<br>(Hong Kong)    | flat                     | kor1488          |
|                                            |                       | rising                   | kor1489          |
|                                            |                       | falling                  | kor1490          |
| escudo                                     | escudo<br>(Portugal)  | flat                     | kor1432          |
|                                            |                       | rising                   | kor1433          |
|                                            |                       | falling                  | kor1434          |
| centavo                                    | centavo<br>(Portugal) | flat                     | kor1440          |
|                                            |                       | rising                   | kor1441          |
|                                            |                       | falling                  | kor1442          |
| yuan                                       | yuan<br>(China)       | flat                     | kor1448          |
|                                            |                       | rising                   | kor1449          |
|                                            |                       | falling                  | kor1450          |
| jiao                                       | jiao<br>(China)       | flat                     | kor1456          |
|                                            |                       | rising                   | kor1457          |
|                                            |                       | falling                  | kor1458          |
| fen                                        | fen<br>(China)        | flat                     | kor1464          |
|                                            |                       | rising                   | kor1465          |
|                                            |                       | falling                  | kor1466          |

**Korean audio (Sheet 14 of 14)**

| <b>Korean phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|--------------------------------------------|----------------|--------------------------|------------------|
| pound                                      | pound          | flat                     | kor1472          |
|                                            | (Ireland)      | rising                   | kor1473          |
|                                            |                | falling                  | kor1474          |
| pence                                      | pence          | flat                     | kor1484          |
|                                            | (Ireland)      | rising                   | kor1485          |
|                                            |                | falling                  | kor1486          |

## Malay audio files

**Note 1:** Audio file names msa508–msa610 are optional. Only record this audio if you provision the strings functionality on the system.

**Note 2:** Record audio file names msa1200–msa1486 only if you provision currency on the system.

### Malay audio (Sheet 1 of 14)

| Malay phrase or English equivalent | English | Phrase intonation | File name |
|------------------------------------|---------|-------------------|-----------|
| kosong                             | zero    | flat              | msa0      |
|                                    |         | rising            | msa1      |
|                                    |         | falling           | msa2      |
| satu                               | one     | flat              | msa8      |
|                                    |         | rising            | msa9      |
|                                    |         | falling           | msa10     |
| dua                                | two     | flat              | msa12     |
|                                    |         | rising            | msa13     |
|                                    |         | falling           | msa14     |
| tiga                               | three   | flat              | msa16     |
|                                    |         | rising            | msa17     |
|                                    |         | falling           | msa18     |
| empat                              | four    | flat              | msa20     |
|                                    |         | rising            | msa21     |
|                                    |         | falling           | msa22     |
| lima                               | five    | flat              | msa24     |
|                                    |         | rising            | msa25     |
|                                    |         | falling           | msa26     |
| enam                               | six     | flat              | msa28     |
|                                    |         | rising            | msa29     |
|                                    |         | falling           | msa30     |

**Malay audio (Sheet 2 of 14)**

| <b>Malay phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| tujuh                                     | seven          | flat                     | msa32            |
|                                           |                | rising                   | msa33            |
|                                           |                | falling                  | msa34            |
| lapan                                     | eight          | flat                     | msa36            |
|                                           |                | rising                   | msa37            |
|                                           |                | falling                  | msa38            |
| sembilan                                  | nine           | flat                     | msa40            |
|                                           |                | rising                   | msa41            |
|                                           |                | falling                  | msa42            |
| sepuluh                                   | ten            | flat                     | msa56            |
|                                           |                | rising                   | msa57            |
|                                           |                | falling                  | msa58            |
| sebelas                                   | eleven         | flat                     | msa60            |
|                                           |                | rising                   | msa61            |
|                                           |                | falling                  | msa62            |
| ratus                                     | hundred        | flat                     | msa132           |
|                                           |                | rising                   | msa133           |
|                                           |                | falling                  | msa134           |
| ribu                                      | thousand       | flat                     | msa496           |
|                                           |                | rising                   | msa497           |
|                                           |                | falling                  | msa498           |
| juta                                      | million        | flat                     | msa500           |
|                                           |                | rising                   | msa501           |
|                                           |                | falling                  | msa502           |
| bilion                                    | billion        | flat                     | msa504           |
|                                           |                | rising                   | msa505           |
|                                           |                | falling                  | msa506           |

**Malay audio (Sheet 3 of 14)**

| <b>Malay phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| optional                                  | a              | flat                     | msa508           |
|                                           |                | rising                   | msa509           |
|                                           |                | falling                  | msa510           |
| optional                                  | b              | flat                     | msa512           |
|                                           |                | rising                   | msa513           |
|                                           |                | falling                  | msa514           |
| optional                                  | c              | flat                     | msa516           |
|                                           |                | rising                   | msa517           |
|                                           |                | falling                  | msa518           |
| optional                                  | d              | flat                     | msa520           |
|                                           |                | rising                   | msa521           |
|                                           |                | falling                  | msa522           |
| optional                                  | e              | flat                     | msa524           |
|                                           |                | rising                   | msa525           |
|                                           |                | falling                  | msa526           |
| optional                                  | f              | flat                     | msa528           |
|                                           |                | rising                   | msa529           |
|                                           |                | falling                  | msa530           |
| optional                                  | g              | flat                     | msa532           |
|                                           |                | rising                   | msa533           |
|                                           |                | falling                  | msa534           |
| optional                                  | h              | flat                     | msa536           |
|                                           |                | rising                   | msa537           |
|                                           |                | falling                  | msa538           |
| optional                                  | i              | flat                     | msa540           |
|                                           |                | rising                   | msa541           |
|                                           |                | falling                  | msa542           |

**Malay audio (Sheet 4 of 14)**

| <b>Malay phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| optional                                  | j              | flat                     | msa544           |
|                                           |                | rising                   | msa545           |
|                                           |                | falling                  | msa546           |
| optional                                  | k              | flat                     | msa548           |
|                                           |                | rising                   | msa549           |
|                                           |                | falling                  | msa550           |
| optional                                  | l              | flat                     | msa552           |
|                                           |                | rising                   | msa553           |
|                                           |                | falling                  | msa554           |
| optional                                  | m              | flat                     | msa556           |
|                                           |                | rising                   | msa557           |
|                                           |                | falling                  | msa558           |
| optional                                  | n              | flat                     | msa560           |
|                                           |                | rising                   | msa561           |
|                                           |                | falling                  | msa562           |
| optional                                  | o              | flat                     | msa564           |
|                                           |                | rising                   | msa565           |
|                                           |                | falling                  | msa566           |
| optional                                  | p              | flat                     | msa568           |
|                                           |                | rising                   | msa569           |
|                                           |                | falling                  | msa570           |
| optional                                  | q              | flat                     | msa572           |
|                                           |                | rising                   | msa573           |
|                                           |                | falling                  | msa574           |
| optional                                  | r              | flat                     | msa576           |
|                                           |                | rising                   | msa577           |
|                                           |                | falling                  | msa578           |



**Malay audio (Sheet 5 of 14)**

| <b>Malay phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| optional                                  | s              | flat                     | msa580           |
|                                           |                | rising                   | msa581           |
|                                           |                | falling                  | msa582           |
| optional                                  | t              | flat                     | msa584           |
|                                           |                | rising                   | msa585           |
|                                           |                | falling                  | msa586           |
| optional                                  | u              | flat                     | msa588           |
|                                           |                | rising                   | msa589           |
|                                           |                | falling                  | msa590           |
| optional                                  | v              | flat                     | msa592           |
|                                           |                | rising                   | msa593           |
|                                           |                | falling                  | msa594           |
| optional                                  | w              | flat                     | msa596           |
|                                           |                | rising                   | msa597           |
|                                           |                | falling                  | msa598           |
| optional                                  | x              | flat                     | msa600           |
|                                           |                | rising                   | msa601           |
|                                           |                | falling                  | msa602           |
| optional                                  | y              | flat                     | msa604           |
|                                           |                | rising                   | msa605           |
|                                           |                | falling                  | msa606           |
| optional                                  | z              | flat                     | msa608           |
|                                           |                | rising                   | msa609           |
|                                           |                | falling                  | msa610           |
| negatif                                   | negative       | flat                     | msa616           |
|                                           |                | rising                   | msa617           |
|                                           |                | falling                  | msa618           |

**Malay audio (Sheet 6 of 14)**

| <b>Malay phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|----------------|--------------------------|------------------|
| dan                                       | and            | flat                     | msa620           |
|                                           |                | rising                   | msa621           |
|                                           |                | falling                  | msa622           |
| jam                                       | hour           | flat                     | msa624           |
|                                           |                | rising                   | msa625           |
|                                           |                | falling                  | msa626           |
| minit                                     | minute         | flat                     | msa632           |
|                                           |                | rising                   | msa633           |
|                                           |                | falling                  | msa634           |
| saat                                      | second         | flat                     | msa640           |
|                                           |                | rising                   | msa641           |
|                                           |                | falling                  | msa642           |
| janeiro                                   | January        | flat                     | msa648           |
|                                           |                | rising                   | msa649           |
|                                           |                | falling                  | msa650           |
| februari                                  | February       | flat                     | msa652           |
|                                           |                | rising                   | msa653           |
|                                           |                | falling                  | msa654           |
| mac                                       | March          | flat                     | msa656           |
|                                           |                | rising                   | msa657           |
|                                           |                | falling                  | msa658           |
| april                                     | April          | flat                     | msa660           |
|                                           |                | rising                   | msa661           |
|                                           |                | falling                  | msa662           |
| mei                                       | May            | flat                     | msa664           |
|                                           |                | rising                   | msa665           |
|                                           |                | falling                  | msa666           |

**Malay audio (Sheet 7 of 14)**

| Malay phrase or English equivalent | English   | Phrase intonation | File name |
|------------------------------------|-----------|-------------------|-----------|
| jun                                | June      | flat              | msa668    |
|                                    |           | rising            | msa669    |
|                                    |           | falling           | msa670    |
| julai                              | July      | flat              | msa672    |
|                                    |           | rising            | msa673    |
|                                    |           | falling           | msa674    |
| ogos                               | August    | flat              | msa676    |
|                                    |           | rising            | msa677    |
|                                    |           | falling           | msa678    |
| september                          | September | flat              | msa680    |
|                                    |           | rising            | msa681    |
|                                    |           | falling           | msa682    |
| oktober                            | October   | flat              | msa684    |
|                                    |           | rising            | msa685    |
|                                    |           | falling           | msa686    |
| november                           | November  | flat              | msa688    |
|                                    |           | rising            | msa689    |
|                                    |           | falling           | msa690    |
| disember                           | December  | flat              | msa692    |
|                                    |           | rising            | msa693    |
|                                    |           | falling           | msa694    |
| ahad                               | Sunday    | flat              | msa696    |
|                                    |           | rising            | msa697    |
|                                    |           | falling           | msa698    |
| ismin                              | Monday    | flat              | msa700    |
|                                    |           | rising            | msa701    |
|                                    |           | falling           | msa702    |

**Malay audio (Sheet 8 of 14)**

| <b>Malay phrase or English equivalent</b> | <b>English</b>    | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|-------------------|--------------------------|------------------|
| selasa                                    | Tuesday           | flat                     | msa704           |
|                                           |                   | rising                   | msa705           |
|                                           |                   | falling                  | msa706           |
| rabu                                      | Wednesday         | flat                     | msa708           |
|                                           |                   | rising                   | msa709           |
|                                           |                   | falling                  | msa710           |
| khamis                                    | Thursday          | flat                     | msa712           |
|                                           |                   | rising                   | msa713           |
|                                           |                   | falling                  | msa714           |
| jumaat                                    | Friday            | flat                     | msa716           |
|                                           |                   | rising                   | msa717           |
|                                           |                   | falling                  | msa718           |
| sabtu                                     | Saturday          | flat                     | msa720           |
|                                           |                   | rising                   | msa721           |
|                                           |                   | falling                  | msa722           |
| pertama                                   | first             | flat                     | msa728           |
|                                           |                   | rising                   | msa729           |
|                                           |                   | falling                  | msa730           |
| paun                                      | pound sign<br>(#) | flat                     | msa896           |
|                                           |                   | rising                   | msa897           |
|                                           |                   | falling                  | msa898           |
| bintang                                   | asterisk<br>(*)   | flat                     | msa900           |
|                                           |                   | rising                   | msa901           |
|                                           |                   | falling                  | msa902           |
| pagi                                      | a.m.              | flat                     | msa908           |
|                                           |                   | rising                   | msa909           |
|                                           |                   | falling                  | msa910           |

**Malay audio (Sheet 9 of 14)**

| <b>Malay phrase or English equivalent</b> | <b>English</b>                     | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|------------------------------------|--------------------------|------------------|
| petang                                    | p.m.                               | flat                     | msa912           |
|                                           |                                    | rising                   | msa913           |
|                                           |                                    | falling                  | msa914           |
| hari                                      | day                                | flat                     | msa920           |
|                                           |                                    | rising                   | msa921           |
|                                           |                                    | falling                  | msa922           |
| bulan                                     | month                              | flat                     | msa924           |
|                                           |                                    | rising                   | msa925           |
|                                           |                                    | falling                  | msa926           |
| tahun                                     | year                               | flat                     | msa928           |
|                                           |                                    | rising                   | msa929           |
|                                           |                                    | falling                  | msa930           |
| seratus                                   | one-hundred                        | flat                     | msa932           |
|                                           |                                    | rising                   | msa933           |
|                                           |                                    | falling                  | msa934           |
| seribu                                    | one-thousand                       | flat                     | msa936           |
|                                           |                                    | rising                   | msa937           |
|                                           |                                    | falling                  | msa938           |
| sejuta                                    | one-million                        | flat                     | msa940           |
|                                           |                                    | rising                   | msa941           |
|                                           |                                    | falling                  | msa942           |
| belas                                     | teen (to make numbers 11-19)       | flat                     | msa944           |
|                                           |                                    | rising                   | msa945           |
|                                           |                                    | falling                  | msa946           |
| puluh                                     | tens (to make numbers 20, 30 - 90) | flat                     | msa948           |
|                                           |                                    | rising                   | msa949           |
|                                           |                                    | falling                  | msa950           |

**Malay audio (Sheet 10 of 14)**

| <b>Malay phrase or English equivalent</b> | <b>English</b>                          | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|-----------------------------------------|--------------------------|------------------|
| pukul                                     | time (to represent time)                | flat                     | msa952           |
|                                           |                                         | rising                   | msa953           |
|                                           |                                         | falling                  | msa954           |
| tengah hari                               | noon                                    | flat                     | msa956           |
|                                           |                                         | rising                   | msa957           |
|                                           |                                         | falling                  | msa958           |
| malam                                     | evening                                 | flat                     | msa960           |
|                                           |                                         | rising                   | msa961           |
|                                           |                                         | falling                  | msa962           |
| tengah malam                              | midnight                                | flat                     | msa964           |
|                                           |                                         | rising                   | msa965           |
|                                           |                                         | falling                  | msa966           |
| suku                                      | 15 mins (used with time)                | flat                     | msa968           |
|                                           |                                         | rising                   | msa969           |
|                                           |                                         | falling                  | msa970           |
| setengah                                  | 30 mins (used with time)                | flat                     | msa972           |
|                                           |                                         | rising                   | msa973           |
|                                           |                                         | falling                  | msa974           |
| ke                                        | th (rank; used to make ordinal numbers) | flat                     | msa976           |
|                                           |                                         | rising                   | msa977           |
|                                           |                                         | falling                  | msa978           |
| Dollar                                    | dollar<br>(US)                          | flat                     | msa1200          |
|                                           |                                         | rising                   | msa1201          |
|                                           |                                         | falling                  | msa1202          |
| Cent                                      | cent<br>(US)                            | flat                     | msa1208          |
|                                           |                                         | rising                   | msa1209          |
|                                           |                                         | falling                  | msa1210          |

**Malay audio (Sheet 11 of 14)**

| Malay phrase or English equivalent | English                  | Phrase intonation | File name |
|------------------------------------|--------------------------|-------------------|-----------|
| mark                               | mark<br>(Germany)        | flat              | msa1216   |
|                                    |                          | rising            | msa1217   |
|                                    |                          | falling           | msa1218   |
| pfennig                            | pfennig<br>(Germany)     | flat              | msa1224   |
|                                    |                          | rising            | msa1225   |
|                                    |                          | falling           | msa1226   |
| yen                                | yen<br>(Japan)           | flat              | msa1232   |
|                                    |                          | rising            | msa1233   |
|                                    |                          | falling           | msa1234   |
| lira                               | lira<br>(Italy)          | flat              | msa1240   |
|                                    |                          | rising            | msa1241   |
|                                    |                          | falling           | msa1242   |
| guilder                            | guilder<br>(Netherlands) | flat              | msa1248   |
|                                    |                          | rising            | msa1249   |
|                                    |                          | falling           | msa1250   |
| cent                               | cent<br>(Netherlands)    | flat              | msa1256   |
|                                    |                          | rising            | msa1257   |
|                                    |                          | falling           | msa1258   |
| pound                              | pound<br>(UK)            | flat              | msa1264   |
|                                    |                          | rising            | msa1265   |
|                                    |                          | falling           | msa1266   |
| pence                              | pence<br>(UK)            | flat              | msa1276   |
|                                    |                          | rising            | msa1277   |
|                                    |                          | falling           | msa1278   |
| euro                               | euro<br>(Euro)           | flat              | msa1280   |
|                                    |                          | rising            | msa1281   |
|                                    |                          | falling           | msa1282   |

**Malay audio (Sheet 12 of 14)**

| <b>Malay phrase or English equivalent</b> | <b>English</b>           | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|--------------------------|--------------------------|------------------|
| eurocent                                  | eurocent<br>(Euro)       | flat                     | msa1288          |
|                                           |                          | rising                   | msa1289          |
|                                           |                          | falling                  | msa1290          |
| franc                                     | franc<br>(France)        | flat                     | msa1296          |
|                                           |                          | rising                   | msa1297          |
|                                           |                          | falling                  | msa1298          |
| centime                                   | centime<br>(France)      | flat                     | msa1304          |
|                                           |                          | rising                   | msa1305          |
|                                           |                          | falling                  | msa1306          |
| peseta                                    | peseta<br>(Spain)        | flat                     | msa1312          |
|                                           |                          | rising                   | msa1313          |
|                                           |                          | falling                  | msa1314          |
| peso                                      | peso<br>(Philippines)    | flat                     | msa1328          |
|                                           |                          | rising                   | msa1329          |
|                                           |                          | falling                  | msa1330          |
| centavo                                   | centavo<br>(Philippines) | flat                     | msa1336          |
|                                           |                          | rising                   | msa1337          |
|                                           |                          | falling                  | msa1338          |
| ringgit                                   | ringgit<br>(Malaysia)    | flat                     | msa1344          |
|                                           |                          | rising                   | msa1345          |
|                                           |                          | falling                  | msa1346          |
| sen                                       | sen<br>(Malaysia)        | flat                     | msa1352          |
|                                           |                          | rising                   | msa1353          |
|                                           |                          | falling                  | msa1354          |
| baht                                      | baht<br>(Thailand)       | flat                     | msa1360          |
|                                           |                          | rising                   | msa1361          |
|                                           |                          | falling                  | msa1362          |



**Malay audio (Sheet 13 of 14)**

| <b>Malay phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------|-----------------------|--------------------------|------------------|
| satang                                    | satang<br>(Thailand)  | flat                     | msa1368          |
|                                           |                       | rising                   | msa1369          |
|                                           |                       | falling                  | msa1370          |
| won                                       | won<br>(msaea)        | flat                     | msa1376          |
|                                           |                       | rising                   | msa1377          |
|                                           |                       | falling                  | msa1378          |
| franc                                     | franc<br>(Belgium)    | flat                     | msa1384          |
|                                           |                       | rising                   | msa1385          |
|                                           |                       | falling                  | msa1386          |
| centime                                   | centime<br>(Belgium)  | flat                     | msa1392          |
|                                           |                       | rising                   | msa1393          |
|                                           |                       | falling                  | msa1394          |
| dollar                                    | dollar<br>(Canada)    | flat                     | msa1400          |
|                                           |                       | rising                   | msa1401          |
|                                           |                       | falling                  | msa1402          |
| cent                                      | cent<br>(Canada)      | flat                     | msa1408          |
|                                           |                       | rising                   | msa1409          |
|                                           |                       | falling                  | msa1410          |
| dollar                                    | dollar<br>(Hong Kong) | flat                     | msa1416          |
|                                           |                       | rising                   | msa1417          |
|                                           |                       | falling                  | msa1418          |
| cent                                      | cent<br>(Hong Kong)   | flat                     | msa1424          |
|                                           |                       | rising                   | msa1425          |
|                                           |                       | falling                  | msa1426          |
| escudo                                    | escudo<br>(Portugal)  | flat                     | msa1432          |
|                                           |                       | rising                   | msa1433          |
|                                           |                       | falling                  | msa1434          |

**Malay audio (Sheet 14 of 14)**

| Malay phrase or English equivalent | English               | Phrase intonation | File name |
|------------------------------------|-----------------------|-------------------|-----------|
| centavo                            | centavo<br>(Portugal) | flat              | msa1440   |
|                                    |                       | rising            | msa1441   |
|                                    |                       | falling           | msa1442   |
| yuan                               | yuan<br>(China)       | flat              | msa1448   |
|                                    |                       | rising            | msa1449   |
|                                    |                       | falling           | msa1450   |
| jiao                               | jiao<br>(China)       | flat              | msa1456   |
|                                    |                       | rising            | msa1457   |
|                                    |                       | falling           | msa1458   |
| fen                                | fen<br>(China)        | flat              | msa1464   |
|                                    |                       | rising            | msa1465   |
|                                    |                       | falling           | msa1466   |
| pound                              | pound<br>(Ireland)    | flat              | msa1472   |
|                                    |                       | rising            | msa1473   |
|                                    |                       | falling           | msa1474   |
| pence                              | pence<br>(Ireland)    | flat              | msa1484   |
|                                    |                       | rising            | msa1485   |
|                                    |                       | falling           | msa1486   |

## Mandarin audio files

**Note 1:** Audio file names zho508–zho610 are optional. Only record the files when the user provisions the string functionality on the system.

**Note 2:** Record audio file names zho908–zho1486 if you provision currency on the system.

### Mandarin audio (Sheet 1 of 12)

| Mandarin phrase or English equivalent | English | Phrase intonation | File name |
|---------------------------------------|---------|-------------------|-----------|
| ling                                  | zero    | flat              | zho0      |
|                                       |         | rising            | zho1      |
|                                       |         | falling           | zho2      |
| yi                                    | one     | flat              | zho8      |
|                                       |         | rising            | zho9      |
|                                       |         | falling           | zho10     |
| er                                    | two     | flat              | zho12     |
|                                       |         | rising            | zho13     |
|                                       |         | falling           | zho14     |
| san                                   | three   | flat              | zho16     |
|                                       |         | rising            | zho17     |
|                                       |         | falling           | zho18     |
| si                                    | four    | flat              | zho20     |
|                                       |         | rising            | zho21     |
|                                       |         | falling           | zho22     |
| wu                                    | five    | flat              | zho24     |
|                                       |         | rising            | zho25     |
|                                       |         | falling           | zho26     |

**Mandarin audio (Sheet 2 of 12)**

| <b>Mandarin phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|----------------|--------------------------|------------------|
| liu                                          | six            | flat                     | zho28            |
|                                              |                | rising                   | zho29            |
|                                              |                | falling                  | zho30            |
| qi                                           | seven          | flat                     | zho32            |
|                                              |                | rising                   | zho34            |
|                                              |                | falling                  | zho35            |
| ba                                           | eight          | flat                     | zho36            |
|                                              |                | rising                   | zho37            |
|                                              |                | falling                  | zho38            |
| jui                                          | nine           | flat                     | zho40            |
|                                              |                | rising                   | zho41            |
|                                              |                | falling                  | zho42            |
| shi                                          | ten            | flat                     | zho56            |
|                                              |                | rising                   | zho57            |
|                                              |                | falling                  | zho58            |
| bai                                          | hundred        | flat                     | zho132           |
|                                              |                | rising                   | zho133           |
|                                              |                | falling                  | zho134           |
| qian                                         | thousand       | flat                     | zho496           |
|                                              |                | rising                   | zho497           |
|                                              |                | falling                  | zho498           |
| optional                                     | a              | flat                     | zho508           |
|                                              |                | rising                   | zho509           |
|                                              |                | falling                  | zho510           |
| optional                                     | b              | flat                     | zho512           |
|                                              |                | rising                   | zho513           |
|                                              |                | falling                  | zho514           |

**Mandarin audio (Sheet 3 of 12)**

| <b>Mandarin phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|----------------|--------------------------|------------------|
| optional                                     | c              | flat                     | zho516           |
|                                              |                | rising                   | zho517           |
|                                              |                | falling                  | zho518           |
| optional                                     | d              | flat                     | zho520           |
|                                              |                | rising                   | zho521           |
|                                              |                | falling                  | zho522           |
| optional                                     | e              | flat                     | zho524           |
|                                              |                | rising                   | zho525           |
|                                              |                | falling                  | zho526           |
| optional                                     | f              | flat                     | zho528           |
|                                              |                | rising                   | zho529           |
|                                              |                | falling                  | zho530           |
| optional                                     | g              | flat                     | zho532           |
|                                              |                | rising                   | zho533           |
|                                              |                | falling                  | zho534           |
| optional                                     | h              | flat                     | zho536           |
|                                              |                | rising                   | zho537           |
|                                              |                | falling                  | zho538           |
| optional                                     | i              | flat                     | zho540           |
|                                              |                | rising                   | zho541           |
|                                              |                | falling                  | zho542           |
| optional                                     | j              | flat                     | zho544           |
|                                              |                | rising                   | zho545           |
|                                              |                | falling                  | zho546           |
| optional                                     | k              | flat                     | zho548           |
|                                              |                | rising                   | zho549           |
|                                              |                | falling                  | zho550           |

**Mandarin audio (Sheet 4 of 12)**

| <b>Mandarin phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|----------------|--------------------------|------------------|
| optional                                     | l              | flat                     | zho552           |
|                                              |                | rising                   | zho553           |
|                                              |                | falling                  | zho554           |
| optional                                     | m              | flat                     | zho556           |
|                                              |                | rising                   | zho557           |
|                                              |                | falling                  | zho558           |
| optional                                     | n              | flat                     | zho560           |
|                                              |                | rising                   | zho561           |
|                                              |                | falling                  | zho562           |
| optional                                     | o              | flat                     | zho564           |
|                                              |                | rising                   | zho565           |
|                                              |                | falling                  | zho566           |
| optional                                     | p              | flat                     | zho568           |
|                                              |                | rising                   | zho569           |
|                                              |                | falling                  | zho570           |
| optional                                     | q              | flat                     | zho572           |
|                                              |                | rising                   | zho573           |
|                                              |                | falling                  | zho574           |
| optional                                     | r              | flat                     | zho576           |
|                                              |                | rising                   | zho577           |
|                                              |                | falling                  | zho578           |
| optional                                     | s              | flat                     | zho580           |
|                                              |                | rising                   | zho581           |
|                                              |                | falling                  | zho582           |
| optional                                     | t              | flat                     | zho584           |
|                                              |                | rising                   | zho585           |
|                                              |                | falling                  | zho586           |

**Mandarin audio (Sheet 5 of 12)**

| <b>Mandarin phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|----------------|--------------------------|------------------|
| optional                                     | u              | flat                     | zho588           |
|                                              |                | rising                   | zho589           |
|                                              |                | falling                  | zho590           |
| optional                                     | v              | flat                     | zho592           |
|                                              |                | rising                   | zho593           |
|                                              |                | falling                  | zho594           |
| optional                                     | w              | flat                     | zho596           |
|                                              |                | rising                   | zho597           |
|                                              |                | falling                  | zho598           |
| optional                                     | x              | flat                     | zho600           |
|                                              |                | rising                   | zho601           |
|                                              |                | falling                  | zho602           |
| optional                                     | y              | flat                     | zho604           |
|                                              |                | rising                   | zho605           |
|                                              |                | falling                  | zho606           |
| optional                                     | z              | flat                     | zho608           |
|                                              |                | rising                   | zho609           |
|                                              |                | falling                  | zho610           |
| fu                                           | negative       | flat                     | zho616           |
|                                              |                | rising                   | zho617           |
|                                              |                | falling                  | zho618           |
| he                                           | and            | flat                     | zho620           |
|                                              |                | rising                   | zho621           |
|                                              |                | falling                  | zho622           |
| xiao shi                                     | hour           | flat                     | zho624           |
|                                              |                | rising                   | zho625           |
|                                              |                | falling                  | zho626           |

**Mandarin audio (Sheet 6 of 12)**

| <b>Mandarin phrase or English equivalent</b> | <b>English</b>    | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|-------------------|--------------------------|------------------|
| fen                                          | minute            | flat                     | zho632           |
|                                              |                   | rising                   | zho633           |
|                                              |                   | falling                  | zho634           |
| miao                                         | second            | flat                     | zho640           |
|                                              |                   | rising                   | zho641           |
|                                              |                   | falling                  | zho642           |
| jing zi jian                                 | pound sign<br>(#) | flat                     | zho896           |
|                                              |                   | rising                   | zho897           |
|                                              |                   | falling                  | zho898           |
| xing hao jian                                | asterisk<br>(*)   | flat                     | zho900           |
|                                              |                   | rising                   | zho901           |
|                                              |                   | falling                  | zho902           |
| wu qian                                      | a.m.              | flat                     | zho908           |
|                                              |                   | rising                   | zho909           |
|                                              |                   | falling                  | zho910           |
| wu hou                                       | p.m.              | flat                     | zho912           |
|                                              |                   | rising                   | zho913           |
|                                              |                   | falling                  | zho914           |
| Dollar                                       | dollar<br>(US)    | flat                     | zho1200          |
|                                              |                   | rising                   | zho1201          |
|                                              |                   | falling                  | zho1202          |
| Cent                                         | cent<br>(US)      | flat                     | zho1208          |
|                                              |                   | rising                   | zho1209          |
|                                              |                   | falling                  | zho1210          |
| Mark                                         | mark<br>(Germany) | flat                     | zho1216          |
|                                              |                   | rising                   | zho1217          |
|                                              |                   | falling                  | zho1218          |



**Mandarin audio (Sheet 7 of 12)**

| <b>Mandarin phrase or English equivalent</b> | <b>English</b>           | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|--------------------------|--------------------------|------------------|
| Pfennig                                      | pfennig<br>(Germany)     | flat                     | zho1224          |
|                                              |                          | rising                   | zho1225          |
|                                              |                          | falling                  | zho1226          |
| Yen                                          | yen<br>(Japan)           | flat                     | zho1232          |
|                                              |                          | rising                   | zho1233          |
|                                              |                          | falling                  | zho1234          |
| Lira                                         | lira<br>(Italy)          | flat                     | zho1240          |
|                                              |                          | rising                   | zho1241          |
|                                              |                          | falling                  | zho1242          |
| Guilder                                      | guilder<br>(Netherlands) | flat                     | zho1248          |
|                                              |                          | rising                   | zho1249          |
|                                              |                          | falling                  | zho1250          |
| Cent                                         | cent<br>(Netherlands)    | flat                     | zho1256          |
|                                              |                          | rising                   | zho1257          |
|                                              |                          | falling                  | zho1258          |
| Pound                                        | pound<br>(UK)            | flat                     | zho1264          |
|                                              |                          | rising                   | zho1265          |
|                                              |                          | falling                  | zho1266          |
| pence                                        | pence<br>(UK)            | flat                     | zho1276          |
|                                              |                          | rising                   | zho1277          |
|                                              |                          | falling                  | zho1278          |
| euro                                         | euro<br>(Euro)           | flat                     | zho1280          |
|                                              |                          | rising                   | zho1281          |
|                                              |                          | falling                  | zho1282          |
| eurocent                                     | eurocent<br>(Euro)       | flat                     | zho1288          |
|                                              |                          | rising                   | zho1289          |
|                                              |                          | falling                  | zho1290          |

**Mandarin audio (Sheet 8 of 12)**

| <b>Mandarin phrase or English equivalent</b> | <b>English</b>           | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|--------------------------|--------------------------|------------------|
| franc                                        | franc<br>(France)        | flat                     | zho1296          |
|                                              |                          | rising                   | zho1297          |
|                                              |                          | falling                  | zho1298          |
| centime                                      | centime<br>(France)      | flat                     | zho1304          |
|                                              |                          | rising                   | zho1305          |
|                                              |                          | falling                  | zho1306          |
| peseta                                       | peseta<br>(Spain)        | flat                     | zho1312          |
|                                              |                          | rising                   | zho1313          |
|                                              |                          | falling                  | zho1314          |
| peso                                         | peso<br>(Philippines)    | flat                     | zho1328          |
|                                              |                          | rising                   | zho1329          |
|                                              |                          | falling                  | zho1330          |
| centavo                                      | centavo<br>(Philippines) | flat                     | zho1336          |
|                                              |                          | rising                   | zho1337          |
|                                              |                          | falling                  | zho1338          |
| ringgit                                      | ringgit<br>(Malaysia)    | flat                     | zho1344          |
|                                              |                          | rising                   | zho1345          |
|                                              |                          | falling                  | zho1346          |
| sen                                          | sen<br>(Malaysia)        | flat                     | zho1352          |
|                                              |                          | rising                   | zho1353          |
|                                              |                          | falling                  | zho1354          |
| baht                                         | baht<br>(Thailand)       | flat                     | zho1360          |
|                                              |                          | rising                   | zho1361          |
|                                              |                          | falling                  | zho1362          |
| satang                                       | satang<br>(Thailand)     | flat                     | zho1368          |
|                                              |                          | rising                   | zho1369          |
|                                              |                          | falling                  | zho1370          |

**Mandarin audio (Sheet 9 of 12)**

| <b>Mandarin phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|----------------|--------------------------|------------------|
| won                                          | won            | flat                     | zho1376          |
|                                              | (Korea)        | rising                   | zho1377          |
|                                              |                | falling                  | zho1378          |
| franc                                        | franc          | flat                     | zho1384          |
|                                              | (Belgium)      | rising                   | zho1385          |
|                                              |                | falling                  | zho1386          |
| centime                                      | centime        | flat                     | zho1392          |
|                                              | (Belgium)      | rising                   | zho1393          |
|                                              |                | falling                  | zho1394          |
| dollar                                       | dollar         | flat                     | zho1400          |
|                                              | (Canada)       | rising                   | zho1401          |
|                                              |                | falling                  | zho1402          |
| cent                                         | cent           | flat                     | zho1408          |
|                                              | (Canada)       | rising                   | zho1409          |
|                                              |                | falling                  | zho1410          |
| dollar                                       | dollar         | flat                     | zho1416          |
|                                              | (Hong Kong)    | rising                   | zho1417          |
|                                              |                | falling                  | zho1418          |
| cent                                         | cent           | flat                     | zho1424          |
|                                              | (Hong Kong)    | rising                   | zho1425          |
|                                              |                | falling                  | zho1426          |
| gok                                          | gok            | flat                     | zho1488          |
|                                              | (Hong Kong)    | rising                   | zho1489          |
|                                              |                | falling                  | zho1490          |
| escudo                                       | escudo         | flat                     | zho1432          |
|                                              | (Portugal)     | rising                   | zho1433          |
|                                              |                | falling                  | zho1434          |

**Mandarin audio (Sheet 10 of 12)**

| <b>Mandarin phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|-----------------------|--------------------------|------------------|
| centavo                                      | centavo<br>(Portugal) | flat                     | zho1440          |
|                                              |                       | rising                   | zho1441          |
|                                              |                       | falling                  | zho1442          |
| yuan                                         | yuan<br>(China)       | flat                     | zho1448          |
|                                              |                       | rising                   | zho1449          |
|                                              |                       | falling                  | zho1450          |
| jiao                                         | jiao<br>(China)       | flat                     | zho1456          |
|                                              |                       | rising                   | zho1457          |
|                                              |                       | falling                  | zho1458          |
| fen                                          | fen<br>(China)        | flat                     | zho1464          |
|                                              |                       | rising                   | zho1465          |
|                                              |                       | falling                  | zho1466          |
| pound                                        | pound<br>(Ireland)    | flat                     | zho1472          |
|                                              |                       | rising                   | zho1473          |
|                                              |                       | falling                  | zho1474          |
| pence                                        | pence<br>(Ireland)    | flat                     | zho1484          |
|                                              |                       | rising                   | zho1485          |
|                                              |                       | falling                  | zho1486          |
| xing qi                                      | week                  | flat                     | zho920           |
|                                              |                       | rising                   | zho921           |
|                                              |                       | falling                  | zho922           |
| yue                                          | month                 | flat                     | zho924           |
|                                              |                       | rising                   | zho925           |
|                                              |                       | falling                  | zho926           |
| nian                                         | year                  | flat                     | zho928           |
|                                              |                       | rising                   | zho929           |
|                                              |                       | falling                  | zho930           |

**Mandarin audio (Sheet 11 of 12)**

| <b>Mandarin phrase or English equivalent</b> | <b>English</b>                                 | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|------------------------------------------------|--------------------------|------------------|
| hao                                          | day                                            | flat                     | zho932           |
|                                              |                                                | rising                   | zho933           |
|                                              |                                                | falling                  | zho934           |
| ri                                           | day (for Sunday)                               | flat                     | zho936           |
|                                              |                                                | rising                   | zho937           |
|                                              |                                                | falling                  | zho938           |
| di                                           | prefix for ordinal                             | flat                     | zho940           |
|                                              |                                                | rising                   | zho941           |
|                                              |                                                | falling                  | zho942           |
| ge                                           | suffix for ordinal                             | flat                     | zho944           |
|                                              |                                                | rising                   | zho945           |
|                                              |                                                | falling                  | zho946           |
| wan                                          | ten-thousand                                   | flat                     | zho948           |
|                                              |                                                | rising                   | zho949           |
|                                              |                                                | falling                  | zho950           |
| yi                                           | hundred-million                                | flat                     | zho952           |
|                                              |                                                | rising                   | zho953           |
|                                              |                                                | falling                  | zho954           |
| dian                                         | hour used in telling time                      | flat                     | zho956           |
|                                              |                                                | rising                   | zho957           |
|                                              |                                                | falling                  | zho958           |
| ling chen                                    | used for telling time from midnight to 5:59 am | flat                     | zho960           |
|                                              |                                                | rising                   | zho961           |
|                                              |                                                | falling                  | zho962           |
| shang wu                                     | used for telling time from 6 am to 11:59 am    | flat                     | zho964           |
|                                              |                                                | rising                   | zho965           |
|                                              |                                                | falling                  | zho966           |

**Mandarin audio (Sheet 12 of 12)**

| <b>Mandarin phrase or English equivalent</b> | <b>English</b>                                 | <b>Phrase intonation</b> | <b>File name</b> |
|----------------------------------------------|------------------------------------------------|--------------------------|------------------|
| zhong wu                                     | used for telling time from noon to 12:59 pm    | flat                     | zho968           |
|                                              |                                                | rising                   | zho969           |
|                                              |                                                | falling                  | zho970           |
| xia wu                                       | used for telling time from 1 pm to 5:59 pm     | flat                     | zho972           |
|                                              |                                                | rising                   | zho973           |
|                                              |                                                | falling                  | zho974           |
| wan shang                                    | used for telling time from 6 pm to 11:59 pm    | flat                     | zho976           |
|                                              |                                                | rising                   | zho977           |
|                                              |                                                | falling                  | zho978           |
| zheng                                        | word for “o’clock”, used when minutes are zero | flat                     | zho980           |
|                                              |                                                | rising                   | zho981           |
|                                              |                                                | falling                  | zho982           |

## Netherlands Dutch audio files

**Note 1:** Audio file names nld508–nld610 are optional. Only record this audio if you provision the strings functionality on the system

**Note 2:** Record audio file names nld1200–nld1486 only if you provision currency on the system.

**Note 3:** Netherlands Dutch does not have a 12-hour format or an equivalent to the English a.m. or p.m. The flexibility of the UAS software allows 12-hour time to be provisioned. Audio file names nld908–nld914 are required if you provision the 12-hour functionality on the system.

### Netherlands Dutch audio (Sheet 1 of 27)

| Netherlands Dutch phrase or English equivalent | English                     | Phrase intonation | File name |
|------------------------------------------------|-----------------------------|-------------------|-----------|
| nul                                            | zero                        | flat              | nld0      |
|                                                |                             | rising            | nld1      |
|                                                |                             | falling           | nld2      |
| e'e'n                                          | one<br>(neutral - counting) | flat              | nld8      |
|                                                |                             | rising            | nld9      |
|                                                |                             | falling           | nld10     |
| twee                                           | two                         | flat              | nld12     |
|                                                |                             | rising            | nld13     |
|                                                |                             | falling           | nld14     |
| drie                                           | three                       | flat              | nld16     |
|                                                |                             | rising            | nld17     |
|                                                |                             | falling           | nld18     |
| vier                                           | four                        | flat              | nld20     |
|                                                |                             | rising            | nld21     |
|                                                |                             | falling           | nld22     |

**Netherlands Dutch audio (Sheet 2 of 27)**

| <b>Netherlands Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------------------|----------------|--------------------------|------------------|
| vijf                                                  | five           | flat                     | nld24            |
|                                                       |                | rising                   | nld25            |
|                                                       |                | falling                  | nld26            |
| zes                                                   | six            | flat                     | nld28            |
|                                                       |                | rising                   | nld29            |
|                                                       |                | falling                  | nld30            |
| zeven                                                 | seven          | flat                     | nld32            |
|                                                       |                | rising                   | nld33            |
|                                                       |                | falling                  | nld34            |
| acht                                                  | eight          | flat                     | nld36            |
|                                                       |                | rising                   | nld37            |
|                                                       |                | falling                  | nld38            |
| negen                                                 | nine           | flat                     | nld40            |
|                                                       |                | rising                   | nld41            |
|                                                       |                | falling                  | nld42            |
| tien                                                  | ten            | flat                     | nld56            |
|                                                       |                | rising                   | nld57            |
|                                                       |                | falling                  | nld58            |
| elf                                                   | eleven         | flat                     | nld60            |
|                                                       |                | rising                   | nld61            |
|                                                       |                | falling                  | nld62            |
| twaalf                                                | twelve         | flat                     | nld64            |
|                                                       |                | rising                   | nld65            |
|                                                       |                | falling                  | nld66            |
| dertien                                               | thirteen       | flat                     | nld68            |
|                                                       |                | rising                   | nld69            |
|                                                       |                | falling                  | nld70            |



**Netherlands Dutch audio (Sheet 3 of 27)**

| <b>Netherlands Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------------------|----------------|--------------------------|------------------|
| veertien                                              | fourteen       | flat                     | nld72            |
|                                                       |                | rising                   | nld73            |
|                                                       |                | falling                  | nld74            |
| vijftien                                              | fifteen        | flat                     | nld76            |
|                                                       |                | rising                   | nld77            |
|                                                       |                | falling                  | nld78            |
| zestien                                               | sixteen        | flat                     | nld80            |
|                                                       |                | rising                   | nld81            |
|                                                       |                | falling                  | nld82            |
| zeventien                                             | seventeen      | flat                     | nld84            |
|                                                       |                | rising                   | nld85            |
|                                                       |                | falling                  | nld86            |
| achttien                                              | eighteen       | flat                     | nld88            |
|                                                       |                | rising                   | nld89            |
|                                                       |                | falling                  | nld90            |
| negentien                                             | nineteen       | flat                     | nld92            |
|                                                       |                | rising                   | nld93            |
|                                                       |                | falling                  | nld94            |
| twintig                                               | twenty         | flat                     | nld96            |
|                                                       |                | rising                   | nld97            |
|                                                       |                | falling                  | nld98            |
| dertig                                                | thirty         | flat                     | nld100           |
|                                                       |                | rising                   | nld101           |
|                                                       |                | falling                  | nld102           |
| veertig                                               | forty          | flat                     | nld104           |
|                                                       |                | rising                   | nld105           |
|                                                       |                | falling                  | nld106           |

**Netherlands Dutch audio (Sheet 4 of 27)**

| <b>Netherlands Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------------------|----------------|--------------------------|------------------|
| vijftig                                               | fifty          | flat                     | nld108           |
|                                                       |                | rising                   | nld109           |
|                                                       |                | falling                  | nld110           |
| zestig                                                | sixty          | flat                     | nld112           |
|                                                       |                | rising                   | nld113           |
|                                                       |                | falling                  | nld114           |
| zeventig                                              | seventy        | flat                     | nld116           |
|                                                       |                | rising                   | nld117           |
|                                                       |                | falling                  | nld118           |
| tachtig                                               | eighty         | flat                     | nld120           |
|                                                       |                | rising                   | nld121           |
|                                                       |                | falling                  | nld122           |
| negentig                                              | ninety         | flat                     | nld124           |
|                                                       |                | rising                   | nld125           |
|                                                       |                | falling                  | nld126           |
| honderd                                               | one-hundred    | flat                     | nld132           |
|                                                       |                | rising                   | nld133           |
|                                                       |                | falling                  | nld134           |
| tweehonderd                                           | two-hundred    | flat                     | nld136           |
|                                                       |                | rising                   | nld137           |
|                                                       |                | falling                  | nld138           |
| driehonderd                                           | three-hundred  | flat                     | nld140           |
|                                                       |                | rising                   | nld141           |
|                                                       |                | falling                  | nld142           |
| vierhonderd                                           | four-hundred   | flat                     | nld144           |
|                                                       |                | rising                   | nld145           |
|                                                       |                | falling                  | nld146           |

**Netherlands Dutch audio (Sheet 5 of 27)**

| <b>Netherlands Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------------------|----------------|--------------------------|------------------|
| vijfhonderd                                           | five-hundred   | flat                     | nld148           |
|                                                       |                | rising                   | nld149           |
|                                                       |                | falling                  | nld150           |
| zeshonderd                                            | six-hundred    | flat                     | nld152           |
|                                                       |                | rising                   | nld153           |
|                                                       |                | falling                  | nld154           |
| zevenhonderd                                          | seven-hundred  | flat                     | nld156           |
|                                                       |                | rising                   | nld157           |
|                                                       |                | falling                  | nld158           |
| achthonderd                                           | eight-hundred  | flat                     | nld160           |
|                                                       |                | rising                   | nld161           |
|                                                       |                | falling                  | nld162           |
| negenhonderd                                          | nine-hundred   | flat                     | nld164           |
|                                                       |                | rising                   | nld165           |
|                                                       |                | falling                  | nld166           |
| duizend                                               | thousand       | flat                     | nld496           |
|                                                       |                | rising                   | nld497           |
|                                                       |                | falling                  | nld498           |
| duizend                                               | one-thousand   | flat                     | nld172           |
|                                                       |                | rising                   | nld173           |
|                                                       |                | falling                  | nld174           |
| tweeduizend                                           | two-thousand   | flat                     | nld176           |
|                                                       |                | rising                   | nld177           |
|                                                       |                | falling                  | nld178           |
| drieduizend                                           | three-thousand | flat                     | nld180           |
|                                                       |                | rising                   | nld181           |
|                                                       |                | falling                  | nld182           |

**Netherlands Dutch audio (Sheet 6 of 27)**

| <b>Netherlands Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------------------|----------------|--------------------------|------------------|
| vierduizend                                           | four-thousand  | flat                     | nld184           |
|                                                       |                | rising                   | nld185           |
|                                                       |                | falling                  | nld186           |
| vijfduizend                                           | five-thousand  | flat                     | nld188           |
|                                                       |                | rising                   | nld189           |
|                                                       |                | falling                  | nld190           |
| zesduizend                                            | six-thousand   | flat                     | nld192           |
|                                                       |                | rising                   | nld193           |
|                                                       |                | falling                  | nld194           |
| zevenduizend                                          | seven-thousand | flat                     | nld196           |
|                                                       |                | rising                   | nld197           |
|                                                       |                | falling                  | nld198           |
| achtduizend                                           | eight-thousand | flat                     | nld200           |
|                                                       |                | rising                   | nld201           |
|                                                       |                | falling                  | nld202           |
| negenduizend                                          | nine-thousand  | flat                     | nld204           |
|                                                       |                | rising                   | nld205           |
|                                                       |                | falling                  | nld206           |
| miljoen                                               | million        | flat                     | nld500           |
|                                                       |                | rising                   | nld501           |
|                                                       |                | falling                  | nld502           |
| Billion/Millarde                                      | billion        | flat                     | nld504           |
|                                                       |                | rising                   | nld505           |
|                                                       |                | falling                  | nld506           |
| eenen                                                 | “1 and”        | flat                     | nld1508          |
|                                                       |                | rising                   | nld1509          |
|                                                       |                | falling                  | nld1510          |

**Netherlands Dutch audio (Sheet 7 of 27)**

| <b>Netherlands Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------------------|----------------|--------------------------|------------------|
| tweeen                                                | “2 and”        | flat                     | nld1512          |
|                                                       |                | rising                   | nld1513          |
|                                                       |                | falling                  | nld1514          |
| drieen                                                | “3 and”        | flat                     | nld1516          |
|                                                       |                | rising                   | nld1517          |
|                                                       |                | falling                  | nld1518          |
| vieren                                                | “4 and”        | flat                     | nld1520          |
|                                                       |                | rising                   | nld1521          |
|                                                       |                | falling                  | nld1522          |
| vijfen                                                | “5 and”        | flat                     | nld1524          |
|                                                       |                | rising                   | nld1525          |
|                                                       |                | falling                  | nld1526          |
| zesen                                                 | “6 and”        | flat                     | nld1528          |
|                                                       |                | rising                   | nld1529          |
|                                                       |                | falling                  | nld1530          |
| zevenen                                               | “7 and”        | flat                     | nld1532          |
|                                                       |                | rising                   | nld1533          |
|                                                       |                | falling                  | nld1534          |
| achten                                                | “8 and”        | flat                     | nld1536          |
|                                                       |                | rising                   | nld1537          |
|                                                       |                | falling                  | nld1538          |
| negenen                                               | “9 and”        | flat                     | nld1540          |
|                                                       |                | rising                   | nld1541          |
|                                                       |                | falling                  | nld1542          |
| optional                                              | a              | flat                     | nld508           |
|                                                       |                | rising                   | nld509           |
|                                                       |                | falling                  | nld510           |

**Netherlands Dutch audio (Sheet 8 of 27)**

| <b>Netherlands Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------------------|----------------|--------------------------|------------------|
| optional                                              | b              | flat                     | nld512           |
|                                                       |                | rising                   | nld513           |
|                                                       |                | falling                  | nld514           |
| optional                                              | c              | flat                     | nld516           |
|                                                       |                | rising                   | nld517           |
|                                                       |                | falling                  | nld518           |
| optional                                              | d              | flat                     | nld520           |
|                                                       |                | rising                   | nld521           |
|                                                       |                | falling                  | nld522           |
| optional                                              | e              | flat                     | nld524           |
|                                                       |                | rising                   | nld525           |
|                                                       |                | falling                  | nld526           |
| optional                                              | f              | flat                     | nld528           |
|                                                       |                | rising                   | nld529           |
|                                                       |                | falling                  | nld530           |
| optional                                              | g              | flat                     | nld532           |
|                                                       |                | rising                   | nld533           |
|                                                       |                | falling                  | nld534           |
| optional                                              | h              | flat                     | nld536           |
|                                                       |                | rising                   | nld537           |
|                                                       |                | falling                  | nld538           |
| optional                                              | i              | flat                     | nld540           |
|                                                       |                | rising                   | nld541           |
|                                                       |                | falling                  | nld542           |
| optional                                              | j              | flat                     | nld544           |
|                                                       |                | rising                   | nld545           |
|                                                       |                | falling                  | nld546           |

**Netherlands Dutch audio (Sheet 9 of 27)**

| <b>Netherlands Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------------------|----------------|--------------------------|------------------|
| optional                                              | k              | flat                     | nld548           |
|                                                       |                | rising                   | nld549           |
|                                                       |                | falling                  | nld550           |
| optional                                              | l              | flat                     | nld552           |
|                                                       |                | rising                   | nld553           |
|                                                       |                | falling                  | nld554           |
| optional                                              | m              | flat                     | nld556           |
|                                                       |                | rising                   | nld557           |
|                                                       |                | falling                  | nld558           |
| optional                                              | n              | flat                     | nld560           |
|                                                       |                | rising                   | nld561           |
|                                                       |                | falling                  | nld562           |
| optional                                              | o              | flat                     | nld564           |
|                                                       |                | rising                   | nld565           |
|                                                       |                | falling                  | nld566           |
| optional                                              | p              | flat                     | nld568           |
|                                                       |                | rising                   | nld569           |
|                                                       |                | falling                  | nld570           |
| optional                                              | q              | flat                     | nld572           |
|                                                       |                | rising                   | nld573           |
|                                                       |                | falling                  | nld574           |
| optional                                              | r              | flat                     | nld576           |
|                                                       |                | rising                   | nld577           |
|                                                       |                | falling                  | nld578           |
| optional                                              | s              | flat                     | nld580           |
|                                                       |                | rising                   | nld581           |
|                                                       |                | falling                  | nld582           |

**Netherlands Dutch audio (Sheet 10 of 27)**

| <b>Netherlands Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------------------|----------------|--------------------------|------------------|
| optional                                              | t              | flat                     | nld584           |
|                                                       |                | rising                   | nld585           |
|                                                       |                | falling                  | nld586           |
| optional                                              | u              | flat                     | nld588           |
|                                                       |                | rising                   | nld589           |
|                                                       |                | falling                  | nld590           |
| optional                                              | v              | flat                     | nld592           |
|                                                       |                | rising                   | nld593           |
|                                                       |                | falling                  | nld594           |
| optional                                              | w              | flat                     | nld596           |
|                                                       |                | rising                   | nld597           |
|                                                       |                | falling                  | nld598           |
| optional                                              | x              | flat                     | nld600           |
|                                                       |                | rising                   | nld601           |
|                                                       |                | falling                  | nld602           |
| optional                                              | y              | flat                     | nld604           |
|                                                       |                | rising                   | nld605           |
|                                                       |                | falling                  | nld606           |
| optional                                              | z              | flat                     | nld608           |
|                                                       |                | rising                   | nld609           |
|                                                       |                | falling                  | nld610           |
| negatief                                              | negative       | flat                     | nld616           |
|                                                       |                | rising                   | nld617           |
|                                                       |                | falling                  | nld618           |
| en                                                    | and            | flat                     | nld620           |
|                                                       |                | rising                   | nld621           |
|                                                       |                | falling                  | nld622           |



**Netherlands Dutch audio (Sheet 11 of 27)**

| <b>Netherlands Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------------------|----------------|--------------------------|------------------|
| uur                                                   | hour           | flat                     | nld624           |
|                                                       |                | rising                   | nld625           |
|                                                       |                | falling                  | nld626           |
| ren                                                   | hours          | flat                     | nld628           |
|                                                       |                | rising                   | nld629           |
|                                                       |                | falling                  | nld630           |
| minuut                                                | minute         | flat                     | nld632           |
|                                                       |                | rising                   | nld633           |
|                                                       |                | falling                  | nld634           |
| minuten                                               | minutes        | flat                     | nld636           |
|                                                       |                | rising                   | nld637           |
|                                                       |                | falling                  | nld638           |
| seconde                                               | second         | flat                     | nld640           |
|                                                       |                | rising                   | nld641           |
|                                                       |                | falling                  | nld642           |
| seconden                                              | seconds        | flat                     | nld644           |
|                                                       |                | rising                   | nld645           |
|                                                       |                | falling                  | nld646           |
| januari                                               | January        | flat                     | nld648           |
|                                                       |                | rising                   | nld649           |
|                                                       |                | falling                  | nld650           |
| februari                                              | February       | flat                     | nld652           |
|                                                       |                | rising                   | nld653           |
|                                                       |                | falling                  | nld654           |
| maart                                                 | March          | flat                     | nld656           |
|                                                       |                | rising                   | nld657           |
|                                                       |                | falling                  | nld658           |

**Netherlands Dutch audio (Sheet 12 of 27)**

| <b>Netherlands Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------------------|----------------|--------------------------|------------------|
| april                                                 | April          | flat                     | nld660           |
|                                                       |                | rising                   | nld661           |
|                                                       |                | falling                  | nld662           |
| mei                                                   | May            | flat                     | nld664           |
|                                                       |                | rising                   | nld665           |
|                                                       |                | falling                  | nld666           |
| juni                                                  | June           | flat                     | nld668           |
|                                                       |                | rising                   | nld669           |
|                                                       |                | falling                  | nld670           |
| juli                                                  | July           | flat                     | nld672           |
|                                                       |                | rising                   | nld673           |
|                                                       |                | falling                  | nld674           |
| augustus                                              | August         | flat                     | nld676           |
|                                                       |                | rising                   | nld677           |
|                                                       |                | falling                  | nld678           |
| september                                             | September      | flat                     | nld680           |
|                                                       |                | rising                   | nld681           |
|                                                       |                | falling                  | nld682           |
| oktober                                               | October        | flat                     | nld684           |
|                                                       |                | rising                   | nld685           |
|                                                       |                | falling                  | nld686           |
| november                                              | November       | flat                     | nld688           |
|                                                       |                | rising                   | nld689           |
|                                                       |                | falling                  | nld690           |
| december                                              | December       | flat                     | nld692           |
|                                                       |                | rising                   | nld693           |
|                                                       |                | falling                  | nld694           |

**Netherlands Dutch audio (Sheet 13 of 27)**

| <b>Netherlands Dutch phrase or English equivalent</b> | <b>English</b>  | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------------------|-----------------|--------------------------|------------------|
| zondag                                                | Sunday          | flat                     | nld696           |
|                                                       |                 | rising                   | nld697           |
|                                                       |                 | falling                  | nld698           |
| manndag                                               | Monday          | flat                     | nld700           |
|                                                       |                 | rising                   | nld701           |
|                                                       |                 | falling                  | nld702           |
| dinsdag                                               | Tuesday         | flat                     | nld704           |
|                                                       |                 | rising                   | nld705           |
|                                                       |                 | falling                  | nld706           |
| woensdag                                              | Wednesday       | flat                     | nld708           |
|                                                       |                 | rising                   | nld709           |
|                                                       |                 | falling                  | nld710           |
| donderdag                                             | Thursday        | flat                     | nld712           |
|                                                       |                 | rising                   | nld713           |
|                                                       |                 | falling                  | nld714           |
| vrijdag                                               | Friday          | flat                     | nld716           |
|                                                       |                 | rising                   | nld717           |
|                                                       |                 | falling                  | nld718           |
| zaterdag                                              | Saturday        | flat                     | nld720           |
|                                                       |                 | rising                   | nld721           |
|                                                       |                 | falling                  | nld722           |
| eerste                                                | first<br>(masc) | flat                     | nld728           |
|                                                       |                 | rising                   | nld729           |
|                                                       |                 | falling                  | nld730           |
| tweede                                                | second          | flat                     | nld732           |
|                                                       |                 | rising                   | nld733           |
|                                                       |                 | falling                  | nld734           |

**Netherlands Dutch audio (Sheet 14 of 27)**

| <b>Netherlands Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------------------|----------------|--------------------------|------------------|
| derde                                                 | third          | flat                     | nld736           |
|                                                       |                | rising                   | nld737           |
|                                                       |                | falling                  | nld738           |
| vierde                                                | fourth         | flat                     | nld740           |
|                                                       |                | rising                   | nld741           |
|                                                       |                | falling                  | nld742           |
| vijfde                                                | fifth          | flat                     | nld744           |
|                                                       |                | rising                   | nld745           |
|                                                       |                | falling                  | nld746           |
| zesde                                                 | sixth          | flat                     | nld748           |
|                                                       |                | rising                   | nld749           |
|                                                       |                | falling                  | nld750           |
| zevende                                               | seventh        | flat                     | nld752           |
|                                                       |                | rising                   | nld753           |
|                                                       |                | falling                  | nld754           |
| achtste                                               | eighth         | flat                     | nld756           |
|                                                       |                | rising                   | nld757           |
|                                                       |                | falling                  | nld758           |
| negende                                               | ninth          | flat                     | nld760           |
|                                                       |                | rising                   | nld761           |
|                                                       |                | falling                  | nld762           |
| tiende                                                | tenth          | flat                     | nld764           |
|                                                       |                | rising                   | nld765           |
|                                                       |                | falling                  | nld766           |
| elfde                                                 | eleventh       | flat                     | nld768           |
|                                                       |                | rising                   | nld769           |
|                                                       |                | falling                  | nld770           |

**Netherlands Dutch audio (Sheet 15 of 27)**

| <b>Netherlands Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------------------|----------------|--------------------------|------------------|
| twaalfde                                              | twelfth        | flat                     | nld772           |
|                                                       |                | rising                   | nld773           |
|                                                       |                | falling                  | nld774           |
| dertiede                                              | thirteenth     | flat                     | nld776           |
|                                                       |                | rising                   | nld777           |
|                                                       |                | falling                  | nld778           |
| veertiende                                            | fourteenth     | flat                     | nld780           |
|                                                       |                | rising                   | nld781           |
|                                                       |                | falling                  | nld782           |
| vijftiede                                             | fifteenth      | flat                     | nld784           |
|                                                       |                | rising                   | nld785           |
|                                                       |                | falling                  | nld786           |
| zestiende                                             | sixteenth      | flat                     | nld788           |
|                                                       |                | rising                   | nld789           |
|                                                       |                | falling                  | nld790           |
| zeventiende                                           | seventeenth    | flat                     | nld792           |
|                                                       |                | rising                   | nld793           |
|                                                       |                | falling                  | nld794           |
| achttiende                                            | eighteenth     | flat                     | nld796           |
|                                                       |                | rising                   | nld797           |
|                                                       |                | falling                  | nld798           |
| negentiende                                           | nineteenth     | flat                     | nld800           |
|                                                       |                | rising                   | nld801           |
|                                                       |                | falling                  | nld802           |
| twintigste                                            | twentieth      | flat                     | nld804           |
|                                                       |                | rising                   | nld805           |
|                                                       |                | falling                  | nld806           |

**Netherlands Dutch audio (Sheet 16 of 27)**

| <b>Netherlands Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------------------|----------------|--------------------------|------------------|
| dertigste                                             | thirtieth      | flat                     | nld808           |
|                                                       |                | rising                   | nld809           |
|                                                       |                | falling                  | nld810           |
| veertigste                                            | fortieth       | flat                     | nld812           |
|                                                       |                | rising                   | nld813           |
|                                                       |                | falling                  | nld814           |
| vijftigste                                            | fiftieth       | flat                     | nld816           |
|                                                       |                | rising                   | nld817           |
|                                                       |                | falling                  | nld818           |
| zestigste                                             | sixtieth       | flat                     | nld820           |
|                                                       |                | rising                   | nld821           |
|                                                       |                | falling                  | nld822           |
| zeventigste                                           | seventieth     | flat                     | nld824           |
|                                                       |                | rising                   | nld825           |
|                                                       |                | falling                  | nld826           |
| tachtigste                                            | eightieth      | flat                     | nld828           |
|                                                       |                | rising                   | nld829           |
|                                                       |                | falling                  | nld830           |
| negentigste                                           | ninetieth      | flat                     | nld832           |
|                                                       |                | rising                   | nld833           |
|                                                       |                | falling                  | nld834           |
| honderdste                                            | one-hundredth  | flat                     | nld836           |
|                                                       |                | rising                   | nld837           |
|                                                       |                | falling                  | nld838           |
| tweehonderdste                                        | two-hundredth  | flat                     | nld840           |
|                                                       |                | rising                   | nld841           |
|                                                       |                | falling                  | nld842           |

**Netherlands Dutch audio (Sheet 17 of 27)**

| <b>Netherlands Dutch phrase or English equivalent</b> | <b>English</b>  | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------------------|-----------------|--------------------------|------------------|
| driehonderdste                                        | three-hundredth | flat                     | nld844           |
|                                                       |                 | rising                   | nld845           |
|                                                       |                 | falling                  | nld846           |
| vierhonderdste                                        | four-hundredth  | flat                     | nld848           |
|                                                       |                 | rising                   | nld849           |
|                                                       |                 | falling                  | nld850           |
| vijfhonderdste                                        | five-hundredth  | flat                     | nld852           |
|                                                       |                 | rising                   | nld853           |
|                                                       |                 | falling                  | nld854           |
| zeshonderdste                                         | six-hundredth   | flat                     | nld856           |
|                                                       |                 | rising                   | nld857           |
|                                                       |                 | falling                  | nld858           |
| zevenhonderdste                                       | seven-hundredth | flat                     | nld860           |
|                                                       |                 | rising                   | nld861           |
|                                                       |                 | falling                  | nld862           |
| achthonderdste                                        | eight-hundredth | flat                     | nld864           |
|                                                       |                 | rising                   | nld865           |
|                                                       |                 | falling                  | nld866           |
| negenhonderdste                                       | nine-hundredth  | flat                     | nld868           |
|                                                       |                 | rising                   | nld869           |
|                                                       |                 | falling                  | nld870           |
| duizendste                                            | thousandth      | flat                     | nld872           |
|                                                       |                 | rising                   | nld873           |
|                                                       |                 | falling                  | nld874           |
| duizend                                               | one-thousandth  | flat                     | nld1548          |
|                                                       |                 | rising                   | nld1549          |
|                                                       |                 | falling                  | nld1550          |

**Netherlands Dutch audio (Sheet 18 of 27)**

| <b>Netherlands Dutch phrase or English equivalent</b> | <b>English</b>   | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------------------|------------------|--------------------------|------------------|
| tweeduizend                                           | two-thousandth   | flat                     | nld1552          |
|                                                       |                  | rising                   | nld1553          |
|                                                       |                  | falling                  | nld1554          |
| drieduizend                                           | three-thousandth | flat                     | nld1556          |
|                                                       |                  | rising                   | nld1557          |
|                                                       |                  | falling                  | nld1558          |
| vierduizend                                           | four-thousandth  | flat                     | nld1560          |
|                                                       |                  | rising                   | nld1561          |
|                                                       |                  | falling                  | nld1562          |
| vijfduizend                                           | five-thousandth  | flat                     | nld1564          |
|                                                       |                  | rising                   | nld1565          |
|                                                       |                  | falling                  | nld1566          |
| szesduizend                                           | six-thousandth   | flat                     | nld1568          |
|                                                       |                  | rising                   | nld1569          |
|                                                       |                  | falling                  | nld1570          |
| zevenduizend                                          | seven-thousandth | flat                     | nld1572          |
|                                                       |                  | rising                   | nld1573          |
|                                                       |                  | falling                  | nld1574          |
| achtduizend                                           | eight-thousandth | flat                     | nld1576          |
|                                                       |                  | rising                   | nld1577          |
|                                                       |                  | falling                  | nld1578          |
| negenduizend                                          | nine-thousandth  | flat                     | nld1580          |
|                                                       |                  | rising                   | nld1581          |
|                                                       |                  | falling                  | nld1582          |
| miljoenste                                            | millionth        | flat                     | nld880           |
|                                                       |                  | rising                   | nld881           |
|                                                       |                  | falling                  | nld882           |



**Netherlands Dutch audio (Sheet 19 of 27)**

| <b>Netherlands Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------------------|----------------|--------------------------|------------------|
| miljardste                                            | billionth      | flat                     | nld888           |
|                                                       |                | rising                   | nld889           |
|                                                       |                | falling                  | nld890           |
| pond                                                  | pound sign (#) | flat                     | nld896           |
|                                                       |                | rising                   | nld897           |
|                                                       |                | falling                  | nld898           |
| ster                                                  | asterisk (*)   | flat                     | nld900           |
|                                                       |                | rising                   | nld901           |
|                                                       |                | falling                  | nld902           |
| a.m.                                                  | a.m.           | flat                     | nld908           |
|                                                       |                | rising                   | nld909           |
|                                                       |                | falling                  | nld910           |
| p.m.                                                  | p.m.           | flat                     | nld912           |
|                                                       |                | rising                   | nld913           |
|                                                       |                | falling                  | nld914           |
| Dollar                                                | dollar (US)    | flat                     | nld1200          |
|                                                       |                | rising                   | nld1201          |
|                                                       |                | falling                  | nld1202          |
| Dollars                                               | dollars (US)   | flat                     | nld1204          |
|                                                       |                | rising                   | nld1205          |
|                                                       |                | falling                  | nld1206          |
| Cent                                                  | cent (US)      | flat                     | nld1208          |
|                                                       |                | rising                   | nld1209          |
|                                                       |                | falling                  | nld1210          |
| Cents                                                 | cents (US)     | flat                     | nld1212          |
|                                                       |                | rising                   | nld1213          |
|                                                       |                | falling                  | nld1214          |

**Netherlands Dutch audio (Sheet 20 of 27)**

| <b>Netherlands Dutch phrase or English equivalent</b> | <b>English</b>           | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------------------|--------------------------|--------------------------|------------------|
| mark                                                  | mark<br>(Germany)        | flat                     | nld1216          |
|                                                       |                          | rising                   | nld1217          |
|                                                       |                          | falling                  | nld1218          |
| marks                                                 | marks<br>(Germany)       | flat                     | nld1220          |
|                                                       |                          | rising                   | nld1221          |
|                                                       |                          | falling                  | nld1222          |
| pfennig                                               | pfennig<br>(Germany)     | flat                     | nld1224          |
|                                                       |                          | rising                   | nld1225          |
|                                                       |                          | falling                  | nld1226          |
| pfennigs                                              | pfennigs<br>(Germany)    | flat                     | nld1228          |
|                                                       |                          | rising                   | nld1229          |
|                                                       |                          | falling                  | nld1230          |
| yen                                                   | yen<br>(Japan)           | flat                     | nld1232          |
|                                                       |                          | rising                   | nld1233          |
|                                                       |                          | falling                  | nld1234          |
| yens                                                  | yens<br>(Japan)          | flat                     | nld1236          |
|                                                       |                          | rising                   | nld1237          |
|                                                       |                          | falling                  | nld1238          |
| lira                                                  | lira<br>(Italy)          | flat                     | nld1240          |
|                                                       |                          | rising                   | nld1241          |
|                                                       |                          | falling                  | nld1242          |
| lire                                                  | liras<br>(Italy)         | flat                     | nld1244          |
|                                                       |                          | rising                   | nld1245          |
|                                                       |                          | falling                  | nld1246          |
| guilder                                               | guilder<br>(Netherlands) | flat                     | nld1248          |
|                                                       |                          | rising                   | nld1249          |
|                                                       |                          | falling                  | nld1250          |

**Netherlands Dutch audio (Sheet 21 of 27)**

| <b>Netherlands Dutch phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------------------|---------------------------|--------------------------|------------------|
| guilders                                              | guilders<br>(Netherlands) | flat                     | nld1252          |
|                                                       |                           | rising                   | nld1253          |
|                                                       |                           | falling                  | nld1254          |
| cent                                                  | cent<br>(Netherlands)     | flat                     | nld1256          |
|                                                       |                           | rising                   | nld1257          |
|                                                       |                           | falling                  | nld1258          |
| cent                                                  | cents<br>(Netherlands)    | flat                     | nld1260          |
|                                                       |                           | rising                   | nld1261          |
|                                                       |                           | falling                  | nld1262          |
| pound                                                 | pound<br>(UK)             | flat                     | nld1264          |
|                                                       |                           | rising                   | nld1265          |
|                                                       |                           | falling                  | nld1266          |
| pounds                                                | pounds<br>(UK)            | flat                     | nld1268          |
|                                                       |                           | rising                   | nld1269          |
|                                                       |                           | falling                  | nld1270          |
| penny                                                 | penny<br>(UK)             | flat                     | nld1272          |
|                                                       |                           | rising                   | nld1273          |
|                                                       |                           | falling                  | nld1274          |
| pence                                                 | pence<br>(UK)             | flat                     | nld1276          |
|                                                       |                           | rising                   | nld1277          |
|                                                       |                           | falling                  | nld1278          |
| euro                                                  | euro<br>(Euro)            | flat                     | nld1280          |
|                                                       |                           | rising                   | nld1281          |
|                                                       |                           | falling                  | nld1282          |
| euros                                                 | euros<br>(Euro)           | flat                     | nld1284          |
|                                                       |                           | rising                   | nld1285          |
|                                                       |                           | falling                  | nld1286          |

**Netherlands Dutch audio (Sheet 22 of 27)**

| <b>Netherlands Dutch phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------------------|-----------------------|--------------------------|------------------|
| eurocent                                              | eurocent<br>(Euro)    | flat                     | nld1288          |
|                                                       |                       | rising                   | nld1289          |
|                                                       |                       | falling                  | nld1290          |
| eurocents                                             | eurocents<br>(Euro)   | flat                     | nld1292          |
|                                                       |                       | rising                   | nld1293          |
|                                                       |                       | falling                  | nld1294          |
| franc                                                 | franc<br>(France)     | flat                     | nld1296          |
|                                                       |                       | rising                   | nld1297          |
|                                                       |                       | falling                  | nld1298          |
| francs                                                | francs<br>(France)    | flat                     | nld1300          |
|                                                       |                       | rising                   | nld1301          |
|                                                       |                       | falling                  | nld1302          |
| centime                                               | centime<br>(France)   | flat                     | nld1304          |
|                                                       |                       | rising                   | nld1305          |
|                                                       |                       | falling                  | nld1306          |
| centimes                                              | centimes<br>(France)  | flat                     | nld1308          |
|                                                       |                       | rising                   | nld1309          |
|                                                       |                       | falling                  | nld1310          |
| peseta                                                | peseta<br>(Spain)     | flat                     | nld1312          |
|                                                       |                       | rising                   | nld1313          |
|                                                       |                       | falling                  | nld1314          |
| pesetas                                               | pesetas<br>(Spain)    | flat                     | nld1316          |
|                                                       |                       | rising                   | nld1317          |
|                                                       |                       | falling                  | nld1318          |
| peso                                                  | peso<br>(Philippines) | flat                     | nld1328          |
|                                                       |                       | rising                   | nld1329          |
|                                                       |                       | falling                  | nld1330          |

**Netherlands Dutch audio (Sheet 23 of 27)**

| <b>Netherlands Dutch phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------------------|---------------------------|--------------------------|------------------|
| pesos                                                 | pesos<br>(Philippines)    | flat                     | nld1332          |
|                                                       |                           | rising                   | nld1333          |
|                                                       |                           | falling                  | nld1334          |
| centavo                                               | centavo<br>(Philippines)  | flat                     | nld1336          |
|                                                       |                           | rising                   | nld1337          |
|                                                       |                           | falling                  | nld1338          |
| centavos                                              | centavos<br>(Philippines) | flat                     | nld1340          |
|                                                       |                           | rising                   | nld1341          |
|                                                       |                           | falling                  | nld1342          |
| ringgit                                               | ringgit<br>(Malaysia)     | flat                     | nld1344          |
|                                                       |                           | rising                   | nld1345          |
|                                                       |                           | falling                  | nld1346          |
| ringgits                                              | ringgits<br>(Malaysia)    | flat                     | nld1348          |
|                                                       |                           | rising                   | nld1349          |
|                                                       |                           | falling                  | nld1350          |
| sen                                                   | sen<br>(Malaysia)         | flat                     | nld1352          |
|                                                       |                           | rising                   | nld1353          |
|                                                       |                           | falling                  | nld1354          |
| sens                                                  | sens<br>(Malaysia)        | flat                     | nld1356          |
|                                                       |                           | rising                   | nld1357          |
|                                                       |                           | falling                  | nld1358          |
| baht                                                  | baht<br>(Thailand)        | flat                     | nld1360          |
|                                                       |                           | rising                   | nld1361          |
|                                                       |                           | falling                  | nld1362          |
| bahts                                                 | bahts<br>(Thailand)       | flat                     | nld1364          |
|                                                       |                           | rising                   | nld1365          |
|                                                       |                           | falling                  | nld1366          |

**Netherlands Dutch audio (Sheet 24 of 27)**

| <b>Netherlands Dutch phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------------------|-----------------------|--------------------------|------------------|
| satang                                                | satang<br>(Thailand)  | flat                     | nld1368          |
|                                                       |                       | rising                   | nld1369          |
|                                                       |                       | falling                  | nld1370          |
| satangs                                               | satangs<br>(Thailand) | flat                     | nld1372          |
|                                                       |                       | rising                   | nld1373          |
|                                                       |                       | falling                  | nld1374          |
| won                                                   | won<br>(Korea)        | flat                     | nld1376          |
|                                                       |                       | rising                   | nld1377          |
|                                                       |                       | falling                  | nld1378          |
| wons                                                  | wons<br>(Korea)       | flat                     | nld1380          |
|                                                       |                       | rising                   | nld1381          |
|                                                       |                       | falling                  | nld1382          |
| franc                                                 | franc<br>(Belgium)    | flat                     | nld1384          |
|                                                       |                       | rising                   | nld1385          |
|                                                       |                       | falling                  | nld1386          |
| francs                                                | francs<br>(Belgium)   | flat                     | nld1388          |
|                                                       |                       | rising                   | nld1389          |
|                                                       |                       | falling                  | nld1390          |
| centime                                               | centime<br>(Belgium)  | flat                     | nld1392          |
|                                                       |                       | rising                   | nld1393          |
|                                                       |                       | falling                  | nld1394          |
| centimes                                              | centimes<br>(Belgium) | flat                     | nld1396          |
|                                                       |                       | rising                   | nld1397          |
|                                                       |                       | falling                  | nld1398          |
| dollar                                                | dollar<br>(Canada)    | flat                     | nld1400          |
|                                                       |                       | rising                   | nld1401          |
|                                                       |                       | falling                  | nld1402          |

**Netherlands Dutch audio (Sheet 25 of 27)**

| <b>Netherlands Dutch phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------------------|----------------|--------------------------|------------------|
| dollars                                               | dollars        | flat                     | nld1404          |
|                                                       | (Canada)       | rising                   | nld1405          |
|                                                       |                | falling                  | nld1406          |
| cent                                                  | cent           | flat                     | nld1408          |
|                                                       | (Canada)       | rising                   | nld1409          |
|                                                       |                | falling                  | nld1410          |
| cents                                                 | cents          | flat                     | nld1412          |
|                                                       | (Canada)       | rising                   | nld1413          |
|                                                       |                | falling                  | nld1414          |
| dollar                                                | dollar         | flat                     | nld1416          |
|                                                       | (Hong Kong)    | rising                   | nld1417          |
|                                                       |                | falling                  | nld1418          |
| dollars                                               | dollars        | flat                     | nld1420          |
|                                                       | (Hong Kong)    | rising                   | nld1421          |
|                                                       |                | falling                  | nld1422          |
| cent                                                  | cent           | flat                     | nld1424          |
|                                                       | (Hong Kong)    | rising                   | nld1425          |
|                                                       |                | falling                  | nld1426          |
| cents                                                 | cents          | flat                     | nld1428          |
|                                                       | (Hong Kong)    | rising                   | nld1429          |
|                                                       |                | falling                  | nld1430          |
| Gok                                                   | gok            | flat                     | nld1488          |
|                                                       | (Hong Kong)    | rising                   | nld1489          |
|                                                       |                | falling                  | nld1490          |
| Goks                                                  | goks           | flat                     | nld1492          |
|                                                       | (Hong Kong)    | rising                   | nld1493          |
|                                                       |                | falling                  | nld1494          |

**Netherlands Dutch audio (Sheet 26 of 27)**

| <b>Netherlands Dutch phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------------------|------------------------|--------------------------|------------------|
| escudo                                                | escudo<br>(Portugal)   | flat                     | nld1432          |
|                                                       |                        | rising                   | nld1433          |
|                                                       |                        | falling                  | nld1434          |
| escudos                                               | escudos<br>(Portugal)  | flat                     | nld1436          |
|                                                       |                        | rising                   | nld1437          |
|                                                       |                        | falling                  | nld1438          |
| centavo                                               | centavo<br>(Portugal)  | flat                     | nld1440          |
|                                                       |                        | rising                   | nld1441          |
|                                                       |                        | falling                  | nld1442          |
| centavos                                              | centavos<br>(Portugal) | flat                     | nld1444          |
|                                                       |                        | rising                   | nld1445          |
|                                                       |                        | falling                  | nld1446          |
| yuan                                                  | yuan<br>(China)        | flat                     | nld1448          |
|                                                       |                        | rising                   | nld1449          |
|                                                       |                        | falling                  | nld1450          |
| yuans                                                 | yuans<br>(China)       | flat                     | nld1452          |
|                                                       |                        | rising                   | nld1453          |
|                                                       |                        | falling                  | nld1454          |
| jiao                                                  | jiao<br>(China)        | flat                     | nld1456          |
|                                                       |                        | rising                   | nld1457          |
|                                                       |                        | falling                  | nld1458          |
| jiaos                                                 | jiaos<br>(China)       | flat                     | nld1460          |
|                                                       |                        | rising                   | nld1461          |
|                                                       |                        | falling                  | nld1462          |
| fen                                                   | fen<br>(China)         | flat                     | nld1464          |
|                                                       |                        | rising                   | nld1465          |
|                                                       |                        | falling                  | nld1466          |



**Netherlands Dutch audio (Sheet 27 of 27)**

| <b>Netherlands Dutch phrase or English equivalent</b> | <b>English</b>      | <b>Phrase intonation</b> | <b>File name</b> |
|-------------------------------------------------------|---------------------|--------------------------|------------------|
| fens                                                  | fens<br>(China)     | flat                     | nld1468          |
|                                                       |                     | rising                   | nld1469          |
|                                                       |                     | falling                  | nld1470          |
| pound                                                 | pound<br>(Ireland)  | flat                     | nld1472          |
|                                                       |                     | rising                   | nld1473          |
|                                                       |                     | falling                  | nld1474          |
| pounds                                                | pounds<br>(Ireland) | flat                     | nld1476          |
|                                                       |                     | rising                   | nld1477          |
|                                                       |                     | falling                  | nld1478          |
| penny                                                 | penny<br>(Ireland)  | flat                     | nld1480          |
|                                                       |                     | rising                   | nld1481          |
|                                                       |                     | falling                  | nld1482          |
| pence                                                 | pence<br>(Ireland)  | flat                     | nld1484          |
|                                                       |                     | rising                   | nld1485          |
|                                                       |                     | falling                  | nld1486          |

## Portuguese audio files

**Note 1:** Use audio file names por508-por610 for the multilanguage strings functionality. Recording of this audio is optional and the content of the recording can be any word. This audio is only required when the string functionality is used.

**Note 2:** Only record audio file names por728-por890, por964-por1082, and por1500-por1738 if the user provisions ordinal numbers on the system. The ordinal values for numbers less than three are used in applications (date) and are required unless otherwise specified.

**Note 3:** Portuguese often use the 24-hour format. por908-por914 are equivalent to the English a.m. and p.m.

**Note 4:** Only record audio file names por1200-por1486 if the user provisions audio for this currency.

### Portuguese audio (Sheet 1 of 34)

| Portuguese phrase or English equivalent | English | Phrase intonation | File name |
|-----------------------------------------|---------|-------------------|-----------|
| zero                                    | zero    | flat              | por0      |
|                                         |         | rising            | por1      |
|                                         |         | falling           | por2      |
| um                                      | one     | flat              | por8      |
|                                         |         | rising            | por9      |
|                                         |         | falling           | por10     |
| dois                                    | two     | flat              | por12     |
|                                         |         | rising            | por13     |
|                                         |         | falling           | por14     |
| tres                                    | three   | flat              | por16     |
|                                         |         | rising            | por17     |
|                                         |         | falling           | por18     |

**Portuguese audio (Sheet 2 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|----------------|--------------------------|------------------|
| quatro                                         | four           | flat                     | por20            |
|                                                |                | rising                   | por21            |
|                                                |                | falling                  | por22            |
| cinco                                          | five           | flat                     | por24            |
|                                                |                | rising                   | por25            |
|                                                |                | falling                  | por26            |
| seis                                           | six            | flat                     | por28            |
|                                                |                | rising                   | por29            |
|                                                |                | falling                  | por30            |
| sete                                           | seven          | flat                     | por32            |
|                                                |                | rising                   | por33            |
|                                                |                | falling                  | por34            |
| oito                                           | eight          | flat                     | por36            |
|                                                |                | rising                   | por37            |
|                                                |                | falling                  | por38            |
| nove                                           | nine           | flat                     | por40            |
|                                                |                | rising                   | por41            |
|                                                |                | falling                  | por42            |
| dez                                            | ten            | flat                     | por56            |
|                                                |                | rising                   | por57            |
|                                                |                | falling                  | por58            |
| onze                                           | eleven         | flat                     | por60            |
|                                                |                | rising                   | por61            |
|                                                |                | falling                  | por62            |
| doze                                           | twelve         | flat                     | por64            |
|                                                |                | rising                   | por65            |
|                                                |                | falling                  | por66            |

**Portuguese audio (Sheet 3 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|----------------|--------------------------|------------------|
| treze                                          | thirteen       | flat                     | por68            |
|                                                |                | rising                   | por69            |
|                                                |                | falling                  | por70            |
| quatorze                                       | fourteen       | flat                     | por72            |
|                                                |                | rising                   | por73            |
|                                                |                | falling                  | por74            |
| quinze                                         | fifteen        | flat                     | por76            |
|                                                |                | rising                   | por77            |
|                                                |                | falling                  | por78            |
| dezeseis                                       | sixteen        | flat                     | por80            |
|                                                |                | rising                   | por81            |
|                                                |                | falling                  | por82            |
| dezessete                                      | seventeen      | flat                     | por84            |
|                                                |                | rising                   | por85            |
|                                                |                | falling                  | por86            |
| dezoito                                        | eighteen       | flat                     | por88            |
|                                                |                | rising                   | por89            |
|                                                |                | falling                  | por90            |
| dezenove                                       | nineteen       | flat                     | por92            |
|                                                |                | rising                   | por93            |
|                                                |                | falling                  | por94            |
| vinte                                          | twenty         | flat                     | por96            |
|                                                |                | rising                   | por97            |
|                                                |                | falling                  | por98            |
| trinta                                         | thirty         | flat                     | por100           |
|                                                |                | rising                   | por101           |
|                                                |                | falling                  | por102           |

**Portuguese audio (Sheet 4 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|----------------|--------------------------|------------------|
| quarenta                                       | forty          | flat                     | por104           |
|                                                |                | rising                   | por105           |
|                                                |                | falling                  | por106           |
| cinquenta                                      | fifty          | flat                     | por108           |
|                                                |                | rising                   | por109           |
|                                                |                | falling                  | por110           |
| sessenta                                       | sixty          | flat                     | por112           |
|                                                |                | rising                   | por113           |
|                                                |                | falling                  | por114           |
| setenta                                        | seventy        | flat                     | por116           |
|                                                |                | rising                   | por117           |
|                                                |                | falling                  | por118           |
| oitenta                                        | eighty         | flat                     | por120           |
|                                                |                | rising                   | por121           |
|                                                |                | falling                  | por122           |
| noventa                                        | ninety         | flat                     | por124           |
|                                                |                | rising                   | por125           |
|                                                |                | falling                  | por126           |
| centos                                         | one-hundred    | flat                     | por132           |
|                                                |                | rising                   | por133           |
|                                                |                | falling                  | por134           |
| duzentos                                       | two-hundred    | flat                     | por136           |
|                                                |                | rising                   | por137           |
|                                                |                | falling                  | por138           |
| trezentos                                      | three-hundred  | flat                     | por140           |
|                                                |                | rising                   | por141           |
|                                                |                | falling                  | por142           |

**Portuguese audio (Sheet 5 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|----------------|--------------------------|------------------|
| quatrocentos                                   | four-hundred   | flat                     | por144           |
|                                                |                | rising                   | por145           |
|                                                |                | falling                  | por146           |
| quinhentos                                     | five-hundred   | flat                     | por148           |
|                                                |                | rising                   | por149           |
|                                                |                | falling                  | por150           |
| seiscentos                                     | six-hundred    | flat                     | por152           |
|                                                |                | rising                   | por153           |
|                                                |                | falling                  | por154           |
| setecentos                                     | seven-hundred  | flat                     | por156           |
|                                                |                | rising                   | por157           |
|                                                |                | falling                  | por158           |
| oitocentos                                     | eight-hundred  | flat                     | por160           |
|                                                |                | rising                   | por161           |
|                                                |                | falling                  | por162           |
| novecentos                                     | nine-hundred   | flat                     | por164           |
|                                                |                | rising                   | por165           |
|                                                |                | falling                  | por166           |
| mil                                            | one-thousand   | flat                     | por496           |
|                                                |                | rising                   | por497           |
|                                                |                | falling                  | por498           |
| milhao                                         | one-million    | flat                     | por500           |
|                                                |                | rising                   | por501           |
|                                                |                | falling                  | por502           |
| bilhao                                         | billion        | flat                     | por504           |
|                                                |                | rising                   | por505           |
|                                                |                | falling                  | por506           |

**Portuguese audio (Sheet 6 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|----------------|--------------------------|------------------|
| a                                              | a              | flat                     | por508           |
|                                                |                | rising                   | por509           |
|                                                |                | falling                  | por510           |
| b                                              | b              | flat                     | por512           |
|                                                |                | rising                   | por513           |
|                                                |                | falling                  | por514           |
| c                                              | c              | flat                     | por516           |
|                                                |                | rising                   | por517           |
|                                                |                | falling                  | por518           |
| d                                              | d              | flat                     | por520           |
|                                                |                | rising                   | por521           |
|                                                |                | falling                  | por522           |
| e                                              | e              | flat                     | por524           |
|                                                |                | rising                   | por525           |
|                                                |                | falling                  | por526           |
| f                                              | f              | flat                     | por528           |
|                                                |                | rising                   | por529           |
|                                                |                | falling                  | por530           |
| g                                              | g              | flat                     | por532           |
|                                                |                | rising                   | por533           |
|                                                |                | falling                  | por534           |
| h                                              | h              | flat                     | por536           |
|                                                |                | rising                   | por537           |
|                                                |                | falling                  | por538           |
| i                                              | i              | flat                     | por540           |
|                                                |                | rising                   | por541           |
|                                                |                | falling                  | por542           |

**Portuguese audio (Sheet 7 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|----------------|--------------------------|------------------|
| j                                              | j              | flat                     | por544           |
|                                                |                | rising                   | por545           |
|                                                |                | falling                  | por546           |
| k                                              | k              | flat                     | por548           |
|                                                |                | rising                   | por549           |
|                                                |                | falling                  | por550           |
| l                                              | l              | flat                     | por552           |
|                                                |                | rising                   | por553           |
|                                                |                | falling                  | por554           |
| m                                              | m              | flat                     | por556           |
|                                                |                | rising                   | por557           |
|                                                |                | falling                  | por558           |
| n                                              | n              | flat                     | por560           |
|                                                |                | rising                   | por561           |
|                                                |                | falling                  | por562           |
| o                                              | o              | flat                     | por564           |
|                                                |                | rising                   | por565           |
|                                                |                | falling                  | por566           |
| p                                              | p              | flat                     | por568           |
|                                                |                | rising                   | por569           |
|                                                |                | falling                  | por570           |
| q                                              | q              | flat                     | por572           |
|                                                |                | rising                   | por573           |
|                                                |                | falling                  | por574           |
| r                                              | r              | flat                     | por576           |
|                                                |                | rising                   | por577           |
|                                                |                | falling                  | por578           |



**Portuguese audio (Sheet 8 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|----------------|--------------------------|------------------|
| s                                              | s              | flat                     | por580           |
|                                                |                | rising                   | por581           |
|                                                |                | falling                  | por582           |
| t                                              | t              | flat                     | por584           |
|                                                |                | rising                   | por585           |
|                                                |                | falling                  | por586           |
| u                                              | u              | flat                     | por588           |
|                                                |                | rising                   | por589           |
|                                                |                | falling                  | por590           |
| v                                              | v              | flat                     | por592           |
|                                                |                | rising                   | por593           |
|                                                |                | falling                  | por594           |
| w                                              | w              | flat                     | por596           |
|                                                |                | rising                   | por597           |
|                                                |                | falling                  | por598           |
| x                                              | x              | flat                     | por600           |
|                                                |                | rising                   | por601           |
|                                                |                | falling                  | por602           |
| y                                              | y              | flat                     | por604           |
|                                                |                | rising                   | por605           |
|                                                |                | falling                  | por606           |
| z                                              | z              | flat                     | por608           |
|                                                |                | rising                   | por609           |
|                                                |                | falling                  | por610           |
| menos                                          | negative       | flat                     | por616           |
|                                                |                | rising                   | por617           |
|                                                |                | falling                  | por618           |

**Portuguese audio (Sheet 9 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|----------------|--------------------------|------------------|
| e                                              | and            | flat                     | por620           |
|                                                |                | rising                   | por621           |
|                                                |                | falling                  | por622           |
| hora                                           | hour           | flat                     | por624           |
|                                                |                | rising                   | por625           |
|                                                |                | falling                  | por626           |
| horas                                          | hours          | flat                     | por628           |
|                                                |                | rising                   | por629           |
|                                                |                | falling                  | por630           |
| minuto                                         | minute         | flat                     | por632           |
|                                                |                | rising                   | por633           |
|                                                |                | falling                  | por634           |
| minutos                                        | minutes        | flat                     | por636           |
|                                                |                | rising                   | por637           |
|                                                |                | falling                  | por638           |
| segundo                                        | second         | flat                     | por640           |
|                                                |                | rising                   | por641           |
|                                                |                | falling                  | por642           |
| segundos                                       | seconds        | flat                     | por644           |
|                                                |                | rising                   | por645           |
|                                                |                | falling                  | por646           |
| janeiro                                        | January        | flat                     | por648           |
|                                                |                | rising                   | por649           |
|                                                |                | falling                  | por650           |
| fevereiro                                      | February       | flat                     | por652           |
|                                                |                | rising                   | por653           |
|                                                |                | falling                  | por654           |

**Portuguese audio (Sheet 10 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|----------------|--------------------------|------------------|
| marco                                          | March          | flat                     | por656           |
|                                                |                | rising                   | por657           |
|                                                |                | falling                  | por658           |
| abril                                          | April          | flat                     | por660           |
|                                                |                | rising                   | por661           |
|                                                |                | falling                  | por662           |
| maio                                           | May            | flat                     | por664           |
|                                                |                | rising                   | por665           |
|                                                |                | falling                  | por666           |
| junho                                          | June           | flat                     | por668           |
|                                                |                | rising                   | por669           |
|                                                |                | falling                  | por670           |
| julho                                          | July           | flat                     | por672           |
|                                                |                | rising                   | por673           |
|                                                |                | falling                  | por674           |
| agosto                                         | August         | flat                     | por676           |
|                                                |                | rising                   | por677           |
|                                                |                | falling                  | por678           |
| setembro                                       | September      | flat                     | por680           |
|                                                |                | rising                   | por681           |
|                                                |                | falling                  | por682           |
| outubro                                        | October        | flat                     | por684           |
|                                                |                | rising                   | por685           |
|                                                |                | falling                  | por686           |
| novembro                                       | November       | flat                     | por688           |
|                                                |                | rising                   | por689           |
|                                                |                | falling                  | por690           |

**Portuguese audio (Sheet 11 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|----------------|--------------------------|------------------|
| dezembro                                       | December       | flat                     | por692           |
|                                                |                | rising                   | por693           |
|                                                |                | falling                  | por694           |
| domingo                                        | Sunday         | flat                     | por696           |
|                                                |                | rising                   | por697           |
|                                                |                | falling                  | por698           |
| segunda-feira                                  | Monday         | flat                     | por700           |
|                                                |                | rising                   | por701           |
|                                                |                | falling                  | por702           |
| terça-feira                                    | Tuesday        | flat                     | por704           |
|                                                |                | rising                   | por705           |
|                                                |                | falling                  | por706           |
| quarta-feira                                   | Wednesday      | flat                     | por708           |
|                                                |                | rising                   | por709           |
|                                                |                | falling                  | por710           |
| quinta-feira                                   | Thursday       | flat                     | por712           |
|                                                |                | rising                   | por713           |
|                                                |                | falling                  | por714           |
| sexta-feira                                    | Friday         | flat                     | por716           |
|                                                |                | rising                   | por717           |
|                                                |                | falling                  | por718           |
| sabado                                         | Saturday       | flat                     | por720           |
|                                                |                | rising                   | por721           |
|                                                |                | falling                  | por722           |
| primeriro                                      | first          | flat                     | por728           |
|                                                |                | rising                   | por729           |
|                                                |                | falling                  | por730           |

**Portuguese audio (Sheet 12 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|----------------|--------------------------|------------------|
| segundo                                        | second         | flat                     | por732           |
|                                                |                | rising                   | por733           |
|                                                |                | falling                  | por734           |
| terceiro                                       | third          | flat                     | por736           |
|                                                |                | rising                   | por737           |
|                                                |                | falling                  | por738           |
| quarto                                         | fourth         | flat                     | por740           |
|                                                |                | rising                   | por741           |
|                                                |                | falling                  | por742           |
| quinto                                         | fifth          | flat                     | por744           |
|                                                |                | rising                   | por745           |
|                                                |                | falling                  | por746           |
| sexto                                          | sixth          | flat                     | por748           |
|                                                |                | rising                   | por749           |
|                                                |                | falling                  | por750           |
| setimo                                         | seventh        | flat                     | por752           |
|                                                |                | rising                   | por753           |
|                                                |                | falling                  | por754           |
| oitavo                                         | eighth         | flat                     | por756           |
|                                                |                | rising                   | por757           |
|                                                |                | falling                  | por758           |
| nono                                           | ninth          | flat                     | por760           |
|                                                |                | rising                   | por761           |
|                                                |                | falling                  | por762           |
| decimo                                         | tenth          | flat                     | por764           |
|                                                |                | rising                   | por765           |
|                                                |                | falling                  | por766           |

**Portuguese audio (Sheet 13 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|----------------|--------------------------|------------------|
| vigésimo                                       | twentieth      | flat                     | por804           |
|                                                |                | rising                   | por805           |
|                                                |                | falling                  | por806           |
| trigésimo                                      | thirtieth      | flat                     | por808           |
|                                                |                | rising                   | por809           |
|                                                |                | falling                  | por810           |
| quadragésimo                                   | fortieth       | flat                     | por812           |
|                                                |                | rising                   | por813           |
|                                                |                | falling                  | por814           |
| quingésimo                                     | fiftieth       | flat                     | por816           |
|                                                |                | rising                   | por817           |
|                                                |                | falling                  | por818           |
| sexagesimo                                     | sixtieth       | flat                     | por820           |
|                                                |                | rising                   | por821           |
|                                                |                | falling                  | por822           |
| septuagesimo                                   | seventieth     | flat                     | por824           |
|                                                |                | rising                   | por825           |
|                                                |                | falling                  | por826           |
| octogesimo                                     | eightieth      | flat                     | por828           |
|                                                |                | rising                   | por829           |
|                                                |                | falling                  | por830           |
| nonagesimo                                     | ninetieth      | flat                     | por832           |
|                                                |                | rising                   | por833           |
|                                                |                | falling                  | por834           |
| centesimo                                      | one-hundredth  | flat                     | por836           |
|                                                |                | rising                   | por837           |
|                                                |                | falling                  | por838           |

**Portuguese audio (Sheet 14 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b>  | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|-----------------|--------------------------|------------------|
| ducentesimo                                    | two-hundredth   | flat                     | por840           |
|                                                |                 | rising                   | por841           |
|                                                |                 | falling                  | por842           |
| tricentesimo                                   | three-hundredth | flat                     | por844           |
|                                                |                 | rising                   | por845           |
|                                                |                 | falling                  | por846           |
| quadringentesimo                               | four-hundredth  | flat                     | por848           |
|                                                |                 | rising                   | por849           |
|                                                |                 | falling                  | por850           |
| quingentesimo                                  | five-hundredth  | flat                     | por852           |
|                                                |                 | rising                   | por853           |
|                                                |                 | falling                  | por854           |
| sexcentesimo                                   | six-hundredth   | flat                     | por856           |
|                                                |                 | rising                   | por857           |
|                                                |                 | falling                  | por858           |
| septingentesimo                                | seven-hundredth | flat                     | por860           |
|                                                |                 | rising                   | por861           |
|                                                |                 | falling                  | por862           |
| octingentesimo                                 | eight-hundredth | flat                     | por864           |
|                                                |                 | rising                   | por865           |
|                                                |                 | falling                  | por866           |
| nongentesimo                                   | nine-hundredth  | flat                     | por868           |
|                                                |                 | rising                   | por869           |
|                                                |                 | falling                  | por870           |
| millesimo                                      | thousandth      | flat                     | por872           |
|                                                |                 | rising                   | por873           |
|                                                |                 | falling                  | por874           |

**Portuguese audio (Sheet 15 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b>    | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|-------------------|--------------------------|------------------|
| milionesimo                                    | millionth         | flat                     | por880           |
|                                                |                   | rising                   | por881           |
|                                                |                   | falling                  | por882           |
| bilionesimo                                    | billionth         | flat                     | por888           |
|                                                |                   | rising                   | por889           |
|                                                |                   | falling                  | por890           |
| tecla                                          | pound sign<br>(#) | flat                     | por896           |
|                                                |                   | rising                   | por897           |
|                                                |                   | falling                  | por898           |
| estrela                                        | asterisk<br>(*)   | flat                     | por900           |
|                                                |                   | rising                   | por901           |
|                                                |                   | falling                  | por902           |
| da manha                                       | a.m.              | flat                     | por908           |
|                                                |                   | rising                   | por909           |
|                                                |                   | falling                  | por910           |
| da tarde                                       | p.m.              | flat                     | por912           |
|                                                |                   | rising                   | por913           |
|                                                |                   | falling                  | por914           |
| dollar                                         | dollar<br>(US)    | flat                     | por1200          |
|                                                |                   | rising                   | por1201          |
|                                                |                   | falling                  | por1202          |
| dollars                                        | dollars<br>(US)   | flat                     | por1204          |
|                                                |                   | rising                   | por1205          |
|                                                |                   | falling                  | por1206          |
| cent                                           | cent<br>(US)      | flat                     | por1208          |
|                                                |                   | rising                   | por1209          |
|                                                |                   | falling                  | por1210          |



**Portuguese audio (Sheet 16 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|-----------------------|--------------------------|------------------|
| cents                                          | cents<br>(US)         | flat                     | por1212          |
|                                                |                       | rising                   | por1213          |
|                                                |                       | falling                  | por1214          |
| mark                                           | mark<br>(Germany)     | flat                     | por1216          |
|                                                |                       | rising                   | por1217          |
|                                                |                       | falling                  | por1218          |
| marks                                          | marks<br>(Germany)    | flat                     | por1220          |
|                                                |                       | rising                   | por1221          |
|                                                |                       | falling                  | por1222          |
| pfennig                                        | pfennig<br>(Germany)  | flat                     | por1224          |
|                                                |                       | rising                   | por1225          |
|                                                |                       | falling                  | por1226          |
| pfennigs                                       | pfennigs<br>(Germany) | flat                     | por1228          |
|                                                |                       | rising                   | por1229          |
|                                                |                       | falling                  | por1230          |
| yen                                            | yen<br>(Japan)        | flat                     | por1232          |
|                                                |                       | rising                   | por1233          |
|                                                |                       | falling                  | por1234          |
| yens                                           | yens<br>(Japan)       | flat                     | por1236          |
|                                                |                       | rising                   | por1237          |
|                                                |                       | falling                  | por1238          |
| lira                                           | lira<br>(Italy)       | flat                     | por1240          |
|                                                |                       | rising                   | por1241          |
|                                                |                       | falling                  | por1242          |
| liras                                          | liras<br>(Italy)      | flat                     | por1244          |
|                                                |                       | rising                   | por1245          |
|                                                |                       | falling                  | por1246          |

**Portuguese audio (Sheet 17 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|---------------------------|--------------------------|------------------|
| guilder                                        | guilder<br>(Netherlands)  | flat                     | por1248          |
|                                                |                           | rising                   | por1249          |
|                                                |                           | falling                  | por1250          |
| guilders                                       | guilders<br>(Netherlands) | flat                     | por1252          |
|                                                |                           | rising                   | por1253          |
|                                                |                           | falling                  | por1254          |
| cent                                           | cent<br>(Netherlands)     | flat                     | por1256          |
|                                                |                           | rising                   | por1257          |
|                                                |                           | falling                  | por1258          |
| cents                                          | cents<br>(Netherlands)    | flat                     | por1260          |
|                                                |                           | rising                   | por1261          |
|                                                |                           | falling                  | por1262          |
| pound                                          | pound<br>(UK)             | flat                     | por1264          |
|                                                |                           | rising                   | por1265          |
|                                                |                           | falling                  | por1266          |
| pounds                                         | pounds<br>(UK)            | flat                     | por1268          |
|                                                |                           | rising                   | por1269          |
|                                                |                           | falling                  | por1270          |
| penny                                          | penny<br>(UK)             | flat                     | por1272          |
|                                                |                           | rising                   | por1273          |
|                                                |                           | falling                  | por1274          |
| pence                                          | pence<br>(UK)             | flat                     | por1276          |
|                                                |                           | rising                   | por1277          |
|                                                |                           | falling                  | por1278          |
| euro                                           | euro<br>(Europe)          | flat                     | por1280          |
|                                                |                           | rising                   | por1281          |
|                                                |                           | falling                  | por1282          |

**Portuguese audio (Sheet 18 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|----------------|--------------------------|------------------|
| euros                                          | euros          | flat                     | por1284          |
|                                                | (Europe)       | rising                   | por1285          |
|                                                |                | falling                  | por1286          |
| eurocent                                       | eurocent       | flat                     | por1288          |
|                                                | (Europe)       | rising                   | por1289          |
|                                                |                | falling                  | por1290          |
| eurocents                                      | eurocents      | flat                     | por1292          |
|                                                | (Europe)       | rising                   | por1293          |
|                                                |                | falling                  | por1294          |
| franc                                          | franc          | flat                     | por1296          |
|                                                | (France)       | rising                   | por1297          |
|                                                |                | falling                  | por1298          |
| francs                                         | francs         | flat                     | por1300          |
|                                                | (France)       | rising                   | por1301          |
|                                                |                | falling                  | por1302          |
| centime                                        | centime        | flat                     | por1304          |
|                                                | (France)       | rising                   | por1305          |
|                                                |                | falling                  | por1306          |
| centimes                                       | centimes       | flat                     | por1308          |
|                                                | (France)       | rising                   | por1309          |
|                                                |                | falling                  | por1310          |
| peseta                                         | peseta         | flat                     | por1312          |
|                                                | (Spain)        | rising                   | por1313          |
|                                                |                | falling                  | por1314          |
| pesetas                                        | pesetas        | flat                     | por1316          |
|                                                | (Spain)        | rising                   | por1317          |
|                                                |                | falling                  | por1318          |

**Portuguese audio (Sheet 19 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|---------------------------|--------------------------|------------------|
| peso                                           | peso<br>(Philippines)     | flat                     | por1328          |
|                                                |                           | rising                   | por1329          |
|                                                |                           | falling                  | por1330          |
| pesos                                          | pesos<br>(Philippines)    | flat                     | por1332          |
|                                                |                           | rising                   | por1333          |
|                                                |                           | falling                  | por1334          |
| centavo                                        | centavo<br>(Philippines)  | flat                     | por1336          |
|                                                |                           | rising                   | por1337          |
|                                                |                           | falling                  | por1338          |
| centavos                                       | centavos<br>(Philippines) | flat                     | por1340          |
|                                                |                           | rising                   | por1341          |
|                                                |                           | falling                  | por1342          |
| ringgit                                        | ringgit<br>(Malaysia)     | flat                     | por1344          |
|                                                |                           | rising                   | por1345          |
|                                                |                           | falling                  | por1346          |
| ringgits                                       | ringgits<br>(Malaysia)    | flat                     | por1348          |
|                                                |                           | rising                   | por1349          |
|                                                |                           | falling                  | por1350          |
| sen                                            | sen<br>(Malaysia)         | flat                     | por1352          |
|                                                |                           | rising                   | por1353          |
|                                                |                           | falling                  | por1354          |
| sens                                           | sens<br>(Malaysia)        | flat                     | por1356          |
|                                                |                           | rising                   | por1357          |
|                                                |                           | falling                  | por1358          |
| baht                                           | baht<br>(Thailand)        | flat                     | por1360          |
|                                                |                           | rising                   | por1361          |
|                                                |                           | falling                  | por1362          |

**Portuguese audio (Sheet 20 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|-----------------------|--------------------------|------------------|
| bahts                                          | bahts<br>(Thailand)   | flat                     | por1364          |
|                                                |                       | rising                   | por1365          |
|                                                |                       | falling                  | por1366          |
| satang                                         | satang<br>(Thailand)  | flat                     | por1368          |
|                                                |                       | rising                   | por1369          |
|                                                |                       | falling                  | por1370          |
| satangs                                        | satangs<br>(Thailand) | flat                     | por1372          |
|                                                |                       | rising                   | por1373          |
|                                                |                       | falling                  | por1374          |
| won                                            | won<br>(Korea)        | flat                     | por1376          |
|                                                |                       | rising                   | por1377          |
|                                                |                       | falling                  | por1378          |
| wons                                           | wons<br>(Korea)       | flat                     | por1380          |
|                                                |                       | rising                   | por1381          |
|                                                |                       | falling                  | por1382          |
| franc                                          | franc<br>(Belgium)    | flat                     | por1384          |
|                                                |                       | rising                   | por1385          |
|                                                |                       | falling                  | por1386          |
| francs                                         | francs<br>(Belgium)   | flat                     | por 1388         |
|                                                |                       | rising                   | por1389          |
|                                                |                       | falling                  | por1390          |
| centime                                        | centime<br>(Belgium)  | flat                     | por1392          |
|                                                |                       | rising                   | por1393          |
|                                                |                       | falling                  | por1394          |
| centimes                                       | centimes<br>(Belgium) | flat                     | por1396          |
|                                                |                       | rising                   | por1397          |
|                                                |                       | falling                  | por1398          |

**Portuguese audio (Sheet 21 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|------------------------|--------------------------|------------------|
| dollar                                         | dollar<br>(Canada)     | flat                     | por1400          |
|                                                |                        | rising                   | por1401          |
|                                                |                        | falling                  | por1402          |
| dollars                                        | dollars<br>(Canada)    | flat                     | por1404          |
|                                                |                        | rising                   | por1405          |
|                                                |                        | falling                  | por1406          |
| cent                                           | cent<br>(Canada)       | flat                     | por1408          |
|                                                |                        | rising                   | por1409          |
|                                                |                        | falling                  | por1410          |
| cents                                          | cents<br>(Canada)      | flat                     | por1412          |
|                                                |                        | rising                   | por1413          |
|                                                |                        | falling                  | por1414          |
| dollar                                         | dollar<br>(Hong Kong)  | flat                     | por1416          |
|                                                |                        | rising                   | por1417          |
|                                                |                        | falling                  | por1418          |
| dollars                                        | dollars<br>(Hong Kong) | flat                     | por1420          |
|                                                |                        | rising                   | por1421          |
|                                                |                        | falling                  | por1422          |
| cent                                           | cent<br>(Hong Kong)    | flat                     | por1424          |
|                                                |                        | rising                   | por1425          |
|                                                |                        | falling                  | por1426          |
| cents                                          | cents<br>(Hong Kong)   | flat                     | por1428          |
|                                                |                        | rising                   | por1429          |
|                                                |                        | falling                  | por1430          |
| escudo                                         | escudo<br>(Portugal)   | flat                     | por1432          |
|                                                |                        | rising                   | por1433          |
|                                                |                        | falling                  | por1434          |

**Portuguese audio (Sheet 22 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|------------------------|--------------------------|------------------|
| escudos                                        | escudos<br>(Portugal)  | flat                     | por1436          |
|                                                |                        | rising                   | por1437          |
|                                                |                        | falling                  | por1438          |
| centavo                                        | centavo<br>(Portugal)  | flat                     | por1440          |
|                                                |                        | rising                   | por1441          |
|                                                |                        | falling                  | por1442          |
| centavos                                       | centavos<br>(Portugal) | flat                     | por1444          |
|                                                |                        | rising                   | por1445          |
|                                                |                        | falling                  | por1446          |
| yuan                                           | yuan<br>(China)        | flat                     | por1448          |
|                                                |                        | rising                   | por1449          |
|                                                |                        | falling                  | por1450          |
| yuans                                          | yuans<br>(China)       | flat                     | por1452          |
|                                                |                        | rising                   | por1453          |
|                                                |                        | falling                  | por1454          |
| jiao                                           | jiao<br>(China)        | flat                     | por1456          |
|                                                |                        | rising                   | por1457          |
|                                                |                        | falling                  | por1458          |
| jiaos                                          | jiaos<br>(China)       | flat                     | por1460          |
|                                                |                        | rising                   | por1461          |
|                                                |                        | falling                  | por1462          |
| fen                                            | fen<br>(China)         | flat                     | por1464          |
|                                                |                        | rising                   | por1465          |
|                                                |                        | falling                  | por1466          |
| fens                                           | fens<br>(China)        | flat                     | por1468          |
|                                                |                        | rising                   | por1469          |
|                                                |                        | falling                  | por1470          |

**Portuguese audio (Sheet 23 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b>      | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|---------------------|--------------------------|------------------|
| pound                                          | pound<br>(Ireland)  | flat                     | por1472          |
|                                                |                     | rising                   | por1473          |
|                                                |                     | falling                  | por1474          |
| pounds                                         | pounds<br>(Ireland) | flat                     | por1476          |
|                                                |                     | rising                   | por1477          |
|                                                |                     | falling                  | por1478          |
| penny                                          | penny<br>(Ireland)  | flat                     | por1480          |
|                                                |                     | rising                   | por1481          |
|                                                |                     | falling                  | por1482          |
| pence                                          | pence<br>(Ireland)  | flat                     | por1484          |
|                                                |                     | rising                   | por1485          |
|                                                |                     | falling                  | por1486          |
| uma                                            | one<br>(fem)        | flat                     | por920           |
|                                                |                     | rising                   | por921           |
|                                                |                     | falling                  | por922           |
| duas                                           | two<br>(fem)        | flat                     | por924           |
|                                                |                     | rising                   | por925           |
|                                                |                     | falling                  | por926           |
| cem                                            | 100                 | flat                     | por928           |
|                                                |                     | rising                   | por929           |
|                                                |                     | falling                  | por930           |
| duzentas                                       | 200<br>(fem)        | flat                     | por932           |
|                                                |                     | rising                   | por933           |
|                                                |                     | falling                  | por934           |
| trezentas                                      | 300<br>(fem)        | flat                     | por936           |
|                                                |                     | rising                   | por937           |
|                                                |                     | falling                  | por938           |



**Portuguese audio (Sheet 24 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|----------------|--------------------------|------------------|
| quatrocentas                                   | 400            | flat                     | por940           |
|                                                | (fem)          | rising                   | por941           |
|                                                |                | falling                  | por942           |
| quinhentas                                     | 500            | flat                     | por944           |
|                                                | (fem)          | rising                   | por945           |
|                                                |                | falling                  | por946           |
| seiscentas                                     | 600            | flat                     | por948           |
|                                                | (fem)          | rising                   | por949           |
|                                                |                | falling                  | por950           |
| setecentas                                     | 700            | flat                     | por952           |
|                                                | (fem)          | rising                   | por953           |
|                                                |                | falling                  | por954           |
| oitocentas                                     | 800            | flat                     | por956           |
|                                                | (fem)          | rising                   | por957           |
|                                                |                | falling                  | por958           |
| novecentas                                     | 900            | flat                     | por960           |
|                                                | (fem)          | rising                   | por961           |
|                                                |                | falling                  | por962           |
| primera                                        | first          | flat                     | por964           |
|                                                | (fem)          | rising                   | por965           |
|                                                |                | falling                  | por966           |
| segunda                                        | second         | flat                     | por968           |
|                                                | (fem)          | rising                   | por969           |
|                                                |                | falling                  | por970           |
| tercera                                        | third          | flat                     | por972           |
|                                                | (fem)          | rising                   | por973           |
|                                                |                | falling                  | por974           |

**Portuguese audio (Sheet 25 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b>     | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|--------------------|--------------------------|------------------|
| cuarta                                         | fourth<br>(fem)    | flat                     | por976           |
|                                                |                    | rising                   | por977           |
|                                                |                    | falling                  | por978           |
| quinta                                         | fifth<br>(fem)     | flat                     | por980           |
|                                                |                    | rising                   | por981           |
|                                                |                    | falling                  | por982           |
| sexta                                          | sixth<br>(fem)     | flat                     | por984           |
|                                                |                    | rising                   | por985           |
|                                                |                    | falling                  | por986           |
| septima                                        | seventh<br>(fem)   | flat                     | por988           |
|                                                |                    | rising                   | por989           |
|                                                |                    | falling                  | por990           |
| octava                                         | eighth<br>(fem)    | flat                     | por992           |
|                                                |                    | rising                   | por993           |
|                                                |                    | falling                  | por994           |
| novena                                         | ninth<br>(fem)     | flat                     | por996           |
|                                                |                    | rising                   | por997           |
|                                                |                    | falling                  | por998           |
| decima                                         | tenth<br>(fem)     | flat                     | por1000          |
|                                                |                    | rising                   | por1001          |
|                                                |                    | falling                  | por1002          |
| vigesima                                       | twentieth<br>(fem) | flat                     | por1004          |
|                                                |                    | rising                   | por1005          |
|                                                |                    | falling                  | por1006          |
| trigesima                                      | thirtieth<br>(fem) | flat                     | por1008          |
|                                                |                    | rising                   | por1009          |
|                                                |                    | falling                  | por1010          |

**Portuguese audio (Sheet 26 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|------------------------|--------------------------|------------------|
| quadragesima                                   | fortieth<br>(fem)      | flat                     | por1012          |
|                                                |                        | rising                   | por1013          |
|                                                |                        | falling                  | por1014          |
| quincuagesima                                  | fiftieth<br>(fem)      | flat                     | por1016          |
|                                                |                        | rising                   | por1017          |
|                                                |                        | falling                  | por1018          |
| sexagesima                                     | sixtieth<br>(fem)      | flat                     | por1020          |
|                                                |                        | rising                   | por1021          |
|                                                |                        | falling                  | por1022          |
| septuagesima                                   | seventieth<br>(fem)    | flat                     | por1024          |
|                                                |                        | rising                   | por1025          |
|                                                |                        | falling                  | por1026          |
| octogesima                                     | eightieth<br>(fem)     | flat                     | por1028          |
|                                                |                        | rising                   | por1029          |
|                                                |                        | falling                  | por1030          |
| nonagesima                                     | ninetieth<br>(fem)     | flat                     | por1032          |
|                                                |                        | rising                   | por1033          |
|                                                |                        | falling                  | por1034          |
| centesima                                      | one-hundredth<br>(fem) | flat                     | por1036          |
|                                                |                        | rising                   | por1037          |
|                                                |                        | falling                  | por1038          |
| ducentesima                                    | two-hundredth          | flat                     | por1040          |
|                                                |                        | rising                   | por1041          |
|                                                |                        | falling                  | por1042          |
| tricentisima                                   | three-hundredth        | flat                     | por1044          |
|                                                |                        | rising                   | por1045          |
|                                                |                        | falling                  | por1046          |

**Portuguese audio (Sheet 27 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b>  | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|-----------------|--------------------------|------------------|
| quadringentesima                               | four-hundredth  | flat                     | por1048          |
|                                                |                 | rising                   | por1049          |
|                                                |                 | falling                  | por1050          |
| quingentesima                                  | five-hundredth  | flat                     | por1052          |
|                                                |                 | rising                   | por1053          |
|                                                |                 | falling                  | por1054          |
| sexcentesima                                   | six-hundredth   | flat                     | por1056          |
|                                                |                 | rising                   | por1057          |
|                                                |                 | falling                  | por1058          |
| septingentesima                                | seven-hundredth | flat                     | por1060          |
|                                                |                 | rising                   | por1061          |
|                                                |                 | falling                  | por1062          |
| octingentesima                                 | eight-hundredth | flat                     | por1064          |
|                                                |                 | rising                   | por1065          |
|                                                |                 | falling                  | por1066          |
| nongentesima                                   | nine-hundredth  | flat                     | por1068          |
|                                                |                 | rising                   | por1069          |
|                                                |                 | falling                  | por1070          |
| milesima                                       | thousandth      | flat                     | por1072          |
|                                                |                 | rising                   | por1073          |
|                                                |                 | falling                  | por1074          |
| milionesima                                    | millionth       | flat                     | por1076          |
|                                                |                 | rising                   | por1077          |
|                                                |                 | falling                  | por1078          |
| bilionesima                                    | billionth       | flat                     | por1080          |
|                                                |                 | rising                   | por1081          |
|                                                |                 | falling                  | por1082          |

**Portuguese audio (Sheet 28 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b>           | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|--------------------------|--------------------------|------------------|
| milhoes                                        | millions                 | flat                     | por1084          |
|                                                |                          | rising                   | por1085          |
|                                                |                          | falling                  | por1086          |
| bilhes                                         | billions                 | flat                     | por1088          |
|                                                |                          | rising                   | por1089          |
|                                                |                          | falling                  | por1090          |
| de                                             | of                       | flat                     | por1092          |
|                                                |                          | rising                   | por1093          |
|                                                |                          | falling                  | por1094          |
| primeros                                       | first<br>(masc, plural)  | flat                     | por1500          |
|                                                |                          | rising                   | por1501          |
|                                                |                          | falling                  | por1502          |
| segundos                                       | second<br>(masc, plural) | flat                     | por1504          |
|                                                |                          | rising                   | por1505          |
|                                                |                          | falling                  | por1506          |
| terceros                                       | third<br>(masc, plural)  | flat                     | por1508          |
|                                                |                          | rising                   | por1509          |
|                                                |                          | falling                  | por1510          |
| cuartos                                        | fourth<br>(masc, plural) | flat                     | por1512          |
|                                                |                          | rising                   | por1513          |
|                                                |                          | falling                  | por1514          |
| quintos                                        | fifth<br>(masc, plural)  | flat                     | por1516          |
|                                                |                          | rising                   | por1517          |
|                                                |                          | falling                  | por1518          |
| sextos                                         | sixth<br>(masc, plural)  | flat                     | por1520          |
|                                                |                          | rising                   | por1521          |
|                                                |                          | falling                  | por1522          |

**Portuguese audio (Sheet 29 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b>              | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|-----------------------------|--------------------------|------------------|
| septimos                                       | seventh<br>(masc, plural)   | flat                     | por1524          |
|                                                |                             | rising                   | por1525          |
|                                                |                             | falling                  | por1526          |
| octavos                                        | eighth<br>(masc, plural)    | flat                     | por1528          |
|                                                |                             | rising                   | por1529          |
|                                                |                             | falling                  | por1530          |
| novenos                                        | ninth<br>(masc, plural)     | flat                     | por1532          |
|                                                |                             | rising                   | por1533          |
|                                                |                             | falling                  | por1534          |
| decimos                                        | tenth<br>(masc, plural)     | flat                     | por1536          |
|                                                |                             | rising                   | por1537          |
|                                                |                             | falling                  | por1538          |
| vigisimos                                      | twentieth<br>(masc, plural) | flat                     | por1540          |
|                                                |                             | rising                   | por1541          |
|                                                |                             | falling                  | por1542          |
| trigesimos                                     | thirtieth<br>(masc, plural) | flat                     | por1544          |
|                                                |                             | rising                   | por1545          |
|                                                |                             | falling                  | por1546          |
| quadragesimos                                  | fortieth<br>(masc, plural)  | flat                     | por1548          |
|                                                |                             | rising                   | por1549          |
|                                                |                             | falling                  | por1550          |
| quinquagesimos                                 | fiftieth<br>(masc, plural)  | flat                     | por1552          |
|                                                |                             | rising                   | por1553          |
|                                                |                             | falling                  | por1554          |
| sexagesimos                                    | sixtieth<br>(masc, plural)  | flat                     | por1556          |
|                                                |                             | rising                   | por1557          |
|                                                |                             | falling                  | por1558          |

**Portuguese audio (Sheet 30 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b>                     | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|------------------------------------|--------------------------|------------------|
| septuagesimos                                  | seventieth<br>(masc, plural)       | flat                     | por1560          |
|                                                |                                    | rising                   | por1561          |
|                                                |                                    | falling                  | por1562          |
| octogesimos                                    | eightieth<br>(masc, plural)        | flat                     | por1564          |
|                                                |                                    | rising                   | por1565          |
|                                                |                                    | falling                  | por1566          |
| nonagesimos                                    | ninetieth<br>(masc, plural)        | flat                     | por1568          |
|                                                |                                    | rising                   | por1569          |
|                                                |                                    | falling                  | por1570          |
| centesimos                                     | one-hundredths<br>(masc, plural)   | flat                     | por1572          |
|                                                |                                    | rising                   | por1573          |
|                                                |                                    | falling                  | por1574          |
| ducentesimos                                   | two-hundredths<br>(masc, plural)   | flat                     | por1576          |
|                                                |                                    | rising                   | por1577          |
|                                                |                                    | falling                  | por1578          |
| tricentesimos                                  | three-hundredths<br>(masc, plural) | flat                     | por1580          |
|                                                |                                    | rising                   | por1581          |
|                                                |                                    | falling                  | por1582          |
| quadringetesimos                               | four-hundredths<br>(masc, plural)  | flat                     | por1584          |
|                                                |                                    | rising                   | por1585          |
|                                                |                                    | falling                  | por1586          |
| quingentesimos                                 | five-hundredths<br>(masc, plural)  | flat                     | por1588          |
|                                                |                                    | rising                   | por1589          |
|                                                |                                    | falling                  | por1590          |
| sexcentesimos                                  | six-hundredths<br>(masc, plural)   | flat                     | por1592          |
|                                                |                                    | rising                   | por1593          |
|                                                |                                    | falling                  | por1594          |

**Portuguese audio (Sheet 31 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b>                     | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|------------------------------------|--------------------------|------------------|
| septingentesimos                               | seven-hundredths<br>(masc, plural) | flat                     | por1596          |
|                                                |                                    | rising                   | por1597          |
|                                                |                                    | falling                  | por1598          |
| octingentesimos                                | eight-hundredths<br>(masc, plural) | flat                     | por1600          |
|                                                |                                    | rising                   | por1601          |
|                                                |                                    | falling                  | por1602          |
| nongentesimos                                  | nine-hundredths<br>(masc, plural)  | flat                     | por1604          |
|                                                |                                    | rising                   | por1605          |
|                                                |                                    | falling                  | por1606          |
| milesimos                                      | thousandths<br>(masc, plural)      | flat                     | por1608          |
|                                                |                                    | rising                   | por1609          |
|                                                |                                    | falling                  | por1610          |
| milionesimos                                   | millionths<br>(masc, plural)       | flat                     | por1612          |
|                                                |                                    | rising                   | por1613          |
|                                                |                                    | falling                  | por1614          |
| bilionesimos                                   | billionths<br>(masc, plural)       | flat                     | por1616          |
|                                                |                                    | rising                   | por1617          |
|                                                |                                    | falling                  | por1618          |
| primeras                                       | first<br>(fem, plural)             | flat                     | por1620          |
|                                                |                                    | rising                   | por1621          |
|                                                |                                    | falling                  | por1622          |
| segundas                                       | second<br>(fem, plural)            | flat                     | por1624          |
|                                                |                                    | rising                   | por1625          |
|                                                |                                    | falling                  | por1626          |
| terceras                                       | third<br>(fem, plural)             | flat                     | por1628          |
|                                                |                                    | rising                   | por1629          |
|                                                |                                    | falling                  | por1630          |



**Portuguese audio (Sheet 32 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|----------------|--------------------------|------------------|
| cuartas                                        | fourth         | flat                     | por1632          |
|                                                | (fem, plural)  | rising                   | por1633          |
|                                                |                | falling                  | por1634          |
| quintas                                        | fifth          | flat                     | por1636          |
|                                                | (fem, plural)  | rising                   | por1637          |
|                                                |                | falling                  | por1638          |
| sextas                                         | sixth          | flat                     | por1640          |
|                                                | (fem, plural)  | rising                   | por1641          |
|                                                |                | falling                  | por1642          |
| septimas                                       | seventh        | flat                     | por1644          |
|                                                | (fem, plural)  | rising                   | por1645          |
|                                                |                | falling                  | por1646          |
| octavas                                        | eighth         | flat                     | por1648          |
|                                                | (fem, plural)  | rising                   | por1649          |
|                                                |                | falling                  | por1650          |
| novenas                                        | ninth          | flat                     | por1652          |
|                                                | (fem, plural)  | rising                   | por1653          |
|                                                |                | falling                  | por1654          |
| decimas                                        | tenth          | flat                     | por1656          |
|                                                | (fem, plural)  | rising                   | por1657          |
|                                                |                | falling                  | por1658          |
| vigisimas                                      | twentieth      | flat                     | por1660          |
|                                                | (fem, plural)  | rising                   | por1661          |
|                                                |                | falling                  | por1662          |
| trigesimas                                     | thirtieth      | flat                     | por1664          |
|                                                | (fem, plural)  | rising                   | por1665          |
|                                                |                | falling                  | por1666          |

**Portuguese audio (Sheet 33 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b>                   | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|----------------------------------|--------------------------|------------------|
| quadragesimas                                  | fortieth<br>(fem, plural)        | flat                     | por1668          |
|                                                |                                  | rising                   | por1669          |
|                                                |                                  | falling                  | por1670          |
| quinguagesimas                                 | fiftieth<br>(fem, plural)        | flat                     | por1672          |
|                                                |                                  | rising                   | por1673          |
|                                                |                                  | falling                  | por1674          |
| sexagesimas                                    | sixtieth<br>(fem, plural)        | flat                     | por1676          |
|                                                |                                  | rising                   | por1677          |
|                                                |                                  | falling                  | por1678          |
| septuagesimas                                  | seventieth<br>(fem, plural)      | flat                     | por1680          |
|                                                |                                  | rising                   | por1681          |
|                                                |                                  | falling                  | por1682          |
| octogesimas                                    | eightieth<br>(fem, plural)       | flat                     | por1684          |
|                                                |                                  | rising                   | por1685          |
|                                                |                                  | falling                  | por1686          |
| nonagesimas                                    | ninetieth<br>(fem, plural)       | flat                     | por1688          |
|                                                |                                  | rising                   | por1689          |
|                                                |                                  | falling                  | por1690          |
| centesimas                                     | one-hundredth<br>(fem, plural)   | flat                     | por1692          |
|                                                |                                  | rising                   | por1693          |
|                                                |                                  | falling                  | por1694          |
| ducentesimas                                   | two-hundredth<br>(fem, plural)   | flat                     | por1696          |
|                                                |                                  | rising                   | por1697          |
|                                                |                                  | falling                  | por1698          |
| tricentisimas                                  | three-hundredth<br>(fem, plural) | flat                     | por1700          |
|                                                |                                  | rising                   | por1701          |
|                                                |                                  | falling                  | por1702          |

**Portuguese audio (Sheet 34 of 34)**

| <b>Portuguese phrase or English equivalent</b> | <b>English</b>                   | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|----------------------------------|--------------------------|------------------|
| quadringentesimas                              | four-hundredth<br>(fem, plural)  | flat                     | por1704          |
|                                                |                                  | rising                   | por1705          |
|                                                |                                  | falling                  | por1706          |
| quingentesimas                                 | five-hundredth<br>(fem, plural)  | flat                     | por1708          |
|                                                |                                  | rising                   | por1709          |
|                                                |                                  | falling                  | por1710          |
| sexcentesimas                                  | six-hundredth<br>(fem, plural)   | flat                     | por1712          |
|                                                |                                  | rising                   | por1713          |
|                                                |                                  | falling                  | por1714          |
| septingentesimas                               | seven-hundredth<br>(fem, plural) | flat                     | por1716          |
|                                                |                                  | rising                   | por1717          |
|                                                |                                  | falling                  | por1718          |
| octingentesimas                                | eight-hundredth<br>(fem, plural) | flat                     | por1720          |
|                                                |                                  | rising                   | por1721          |
|                                                |                                  | falling                  | por1722          |
| nongentesimas                                  | nine-hundredth<br>(fem, plural)  | flat                     | por1724          |
|                                                |                                  | rising                   | por1725          |
|                                                |                                  | falling                  | por1726          |
| milesimas                                      | thousandth<br>(fem, plural)      | flat                     | por1728          |
|                                                |                                  | rising                   | por1729          |
|                                                |                                  | falling                  | por1730          |
| milionesimas                                   | millionth<br>(fem, plural)       | flat                     | por1732          |
|                                                |                                  | rising                   | por1733          |
|                                                |                                  | falling                  | por1734          |
| bilionesimas                                   | billionth<br>(fem, plural)       | flat                     | por1736          |
|                                                |                                  | rising                   | por1737          |
|                                                |                                  | falling                  | por1738          |

## Spanish audio files

**Note 1:** Use audio file names spa508–spa610 for the multilanguage strings functionality. Recording of this audio is optional and the content of the recording can be any word. This audio is only required when the string functionality is used.

**Note 2:** Only record audio file names spa1740–spa1838 if the user provisions ordinal numbers on the system. The ordinal values for numbers less than three are used in applications (date) and are required unless otherwise specified.

**Note 3:** Only record audio file names spa1500–spa1722 if the user provisions audio for this currency.

### Spanish audio (Sheet 1 of 36)

| Spanish phrase or English equivalent | English | Phrase intonation | File name |
|--------------------------------------|---------|-------------------|-----------|
| cero                                 | zero    | flat              | spa0      |
|                                      |         | rising            | spa1      |
|                                      |         | falling           | spa2      |
| uno                                  | one     | flat              | spa8      |
|                                      |         | rising            | spa9      |
|                                      |         | falling           | spa10     |
| dos                                  | two     | flat              | spa12     |
|                                      |         | rising            | spa13     |
|                                      |         | falling           | spa14     |
| tres                                 | three   | flat              | spa16     |
|                                      |         | rising            | spa17     |
|                                      |         | falling           | spa18     |
| cuatro                               | four    | flat              | spa20     |
|                                      |         | rising            | spa21     |
|                                      |         | falling           | spa22     |

**Spanish audio (Sheet 2 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| cinco                                       | five           | flat                     | spa24            |
|                                             |                | rising                   | spa25            |
|                                             |                | falling                  | spa26            |
| seis                                        | six            | flat                     | spa28            |
|                                             |                | rising                   | spa29            |
|                                             |                | falling                  | spa30            |
| siete                                       | seven          | flat                     | spa32            |
|                                             |                | rising                   | spa33            |
|                                             |                | falling                  | spa34            |
| ocho                                        | eight          | flat                     | spa36            |
|                                             |                | rising                   | spa37            |
|                                             |                | falling                  | spa38            |
| nueve                                       | nine           | flat                     | spa40            |
|                                             |                | rising                   | spa41            |
|                                             |                | falling                  | spa42            |
| diez                                        | ten            | flat                     | spa56            |
|                                             |                | rising                   | spa57            |
|                                             |                | falling                  | spa58            |
| once                                        | eleven         | flat                     | spa60            |
|                                             |                | rising                   | spa61            |
|                                             |                | falling                  | spa62            |
| doce                                        | twelve         | flat                     | spa64            |
|                                             |                | rising                   | spa65            |
|                                             |                | falling                  | spa66            |
| trece                                       | thirteen       | flat                     | spa68            |
|                                             |                | rising                   | spa69            |
|                                             |                | falling                  | spa70            |

**Spanish audio (Sheet 3 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| catorce                                     | fourteen       | flat                     | spa72            |
|                                             |                | rising                   | spa73            |
|                                             |                | falling                  | spa74            |
| cincuenta                                   | fifteen        | flat                     | spa76            |
|                                             |                | rising                   | spa77            |
|                                             |                | falling                  | spa78            |
| dieciseis                                   | sixteen        | flat                     | spa80            |
|                                             |                | rising                   | spa81            |
|                                             |                | falling                  | spa82            |
| diecisiete                                  | seventeen      | flat                     | spa84            |
|                                             |                | rising                   | spa85            |
|                                             |                | falling                  | spa86            |
| diecocho                                    | eighteen       | flat                     | spa88            |
|                                             |                | rising                   | spa89            |
|                                             |                | falling                  | spa90            |
| diecnueve                                   | nineteen       | flat                     | spa92            |
|                                             |                | rising                   | spa93            |
|                                             |                | falling                  | spa94            |
| veinte                                      | twenty         | flat                     | spa96            |
|                                             |                | rising                   | spa97            |
|                                             |                | falling                  | spa98            |
| veintiuno                                   | twenty-one     | flat                     | spa208           |
|                                             |                | rising                   | spa209           |
|                                             |                | falling                  | spa210           |
| veintidos                                   | twenty-two     | flat                     | spa212           |
|                                             |                | rising                   | spa213           |
|                                             |                | falling                  | spa214           |

**Spanish audio (Sheet 4 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| veintitres                                  | twenty-three   | flat                     | spa216           |
|                                             |                | rising                   | spa217           |
|                                             |                | falling                  | spa218           |
| veinticuatro                                | twenty-four    | flat                     | spa220           |
|                                             |                | rising                   | spa221           |
|                                             |                | falling                  | spa222           |
| veinticinco                                 | twenty-five    | flat                     | spa224           |
|                                             |                | rising                   | spa225           |
|                                             |                | falling                  | spa226           |
| veintiseis                                  | twenty-six     | flat                     | spa228           |
|                                             |                | rising                   | spa229           |
|                                             |                | falling                  | spa230           |
| veintisiete                                 | twenty-seven   | flat                     | spa232           |
|                                             |                | rising                   | spa233           |
|                                             |                | falling                  | spa234           |
| veintiocho                                  | twenty-eight   | flat                     | spa236           |
|                                             |                | rising                   | spa237           |
|                                             |                | falling                  | spa238           |
| veintinueve                                 | twenty-nine    | flat                     | spa240           |
|                                             |                | rising                   | spa241           |
|                                             |                | falling                  | spa242           |
| trienta                                     | thirty         | flat                     | spa100           |
|                                             |                | rising                   | spa101           |
|                                             |                | falling                  | spa102           |
| cuarenta                                    | forty          | flat                     | spa104           |
|                                             |                | rising                   | spa105           |
|                                             |                | falling                  | spa106           |

**Spanish audio (Sheet 5 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| cincuenta                                   | fifty          | flat                     | spa108           |
|                                             |                | rising                   | spa109           |
|                                             |                | falling                  | spa110           |
| sesenta                                     | sixty          | flat                     | spa112           |
|                                             |                | rising                   | spa113           |
|                                             |                | falling                  | spa114           |
| setenta                                     | seventy        | flat                     | spa116           |
|                                             |                | rising                   | spa117           |
|                                             |                | falling                  | spa118           |
| ochenta                                     | eighty         | flat                     | spa120           |
|                                             |                | rising                   | spa121           |
|                                             |                | falling                  | spa122           |
| noventa                                     | ninety         | flat                     | spa124           |
|                                             |                | rising                   | spa125           |
|                                             |                | falling                  | spa126           |
| ciento                                      | one-hundred    | flat                     | spa132           |
|                                             |                | rising                   | spa133           |
|                                             |                | falling                  | spa134           |
| doscientos                                  | two-hundred    | flat                     | spa136           |
|                                             |                | rising                   | spa137           |
|                                             |                | falling                  | spa138           |
| trescientos                                 | three-hundred  | flat                     | spa140           |
|                                             |                | rising                   | spa141           |
|                                             |                | falling                  | spa142           |
| cuatrocientos                               | four-hundred   | flat                     | spa144           |
|                                             |                | rising                   | spa145           |
|                                             |                | falling                  | spa146           |



**Spanish audio (Sheet 6 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| quinientos                                  | five-hundred   | flat                     | spa148           |
|                                             |                | rising                   | spa149           |
|                                             |                | falling                  | spa150           |
| seiscientos                                 | six-hundred    | flat                     | spa152           |
|                                             |                | rising                   | spa153           |
|                                             |                | falling                  | spa154           |
| setecientos                                 | seven-hundred  | flat                     | spa156           |
|                                             |                | rising                   | spa157           |
|                                             |                | falling                  | spa158           |
| ochocientos                                 | eight-hundred  | flat                     | spa160           |
|                                             |                | rising                   | spa161           |
|                                             |                | falling                  | spa162           |
| novecientos                                 | nine-hundred   | flat                     | spa164           |
|                                             |                | rising                   | spa165           |
|                                             |                | falling                  | spa166           |
| mil                                         | one-thousand   | flat                     | spa496           |
|                                             |                | rising                   | spa497           |
|                                             |                | falling                  | spa498           |
| millon                                      | one-million    | flat                     | spa500           |
|                                             |                | rising                   | spa501           |
|                                             |                | falling                  | spa502           |
| a                                           | a              | flat                     | spa508           |
|                                             |                | rising                   | spa509           |
|                                             |                | falling                  | spa510           |
| b                                           | b              | flat                     | spa512           |
|                                             |                | rising                   | spa513           |
|                                             |                | falling                  | spa514           |

**Spanish audio (Sheet 7 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| c                                           | c              | flat                     | spa516           |
|                                             |                | rising                   | spa517           |
|                                             |                | falling                  | spa518           |
| d                                           | d              | flat                     | spa520           |
|                                             |                | rising                   | spa521           |
|                                             |                | falling                  | spa522           |
| e                                           | e              | flat                     | spa524           |
|                                             |                | rising                   | spa525           |
|                                             |                | falling                  | spa526           |
| f                                           | f              | flat                     | spa528           |
|                                             |                | rising                   | spa529           |
|                                             |                | falling                  | spa530           |
| g                                           | g              | flat                     | spa532           |
|                                             |                | rising                   | spa533           |
|                                             |                | falling                  | spa534           |
| h                                           | h              | flat                     | spa536           |
|                                             |                | rising                   | spa537           |
|                                             |                | falling                  | spa538           |
| i                                           | i              | flat                     | spa540           |
|                                             |                | rising                   | spa541           |
|                                             |                | falling                  | spa542           |
| j                                           | j              | flat                     | spa544           |
|                                             |                | rising                   | spa545           |
|                                             |                | falling                  | spa546           |
| k                                           | k              | flat                     | spa548           |
|                                             |                | rising                   | spa549           |
|                                             |                | falling                  | spa550           |

**Spanish audio (Sheet 8 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| l                                           | l              | flat                     | spa552           |
|                                             |                | rising                   | spa553           |
|                                             |                | falling                  | spa554           |
| m                                           | m              | flat                     | spa556           |
|                                             |                | rising                   | spa557           |
|                                             |                | falling                  | spa558           |
| n                                           | n              | flat                     | spa560           |
|                                             |                | rising                   | spa561           |
|                                             |                | falling                  | spa562           |
| o                                           | o              | flat                     | spa564           |
|                                             |                | rising                   | spa565           |
|                                             |                | falling                  | spa566           |
| p                                           | p              | flat                     | spa568           |
|                                             |                | rising                   | spa569           |
|                                             |                | falling                  | spa570           |
| q                                           | q              | flat                     | spa572           |
|                                             |                | rising                   | spa573           |
|                                             |                | falling                  | spa574           |
| r                                           | r              | flat                     | spa576           |
|                                             |                | rising                   | spa577           |
|                                             |                | falling                  | spa578           |
| s                                           | s              | flat                     | spa580           |
|                                             |                | rising                   | spa581           |
|                                             |                | falling                  | spa582           |
| t                                           | t              | flat                     | spa584           |
|                                             |                | rising                   | spa585           |
|                                             |                | falling                  | spa586           |

**Spanish audio (Sheet 9 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| u                                           | u              | flat                     | spa588           |
|                                             |                | rising                   | spa589           |
|                                             |                | falling                  | spa590           |
| v                                           | v              | flat                     | spa592           |
|                                             |                | rising                   | spa593           |
|                                             |                | falling                  | spa594           |
| w                                           | w              | flat                     | spa596           |
|                                             |                | rising                   | spa597           |
|                                             |                | falling                  | spa598           |
| x                                           | x              | flat                     | spa600           |
|                                             |                | rising                   | spa601           |
|                                             |                | falling                  | spa602           |
| y                                           | y              | flat                     | spa604           |
|                                             |                | rising                   | spa605           |
|                                             |                | falling                  | spa606           |
| z                                           | z              | flat                     | spa608           |
|                                             |                | rising                   | spa609           |
|                                             |                | falling                  | spa610           |
| negativo                                    | negative       | flat                     | spa616           |
|                                             |                | rising                   | spa617           |
|                                             |                | falling                  | spa618           |
| y                                           | and            | flat                     | spa620           |
|                                             |                | rising                   | spa621           |
|                                             |                | falling                  | spa622           |
| hora                                        | hour           | flat                     | spa624           |
|                                             |                | rising                   | spa625           |
|                                             |                | falling                  | spa626           |

**Spanish audio (Sheet 10 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| horas                                       | hours          | flat                     | spa628           |
|                                             |                | rising                   | spa629           |
|                                             |                | falling                  | spa630           |
| minuto                                      | minute         | flat                     | spa632           |
|                                             |                | rising                   | spa633           |
|                                             |                | falling                  | spa634           |
| minutos                                     | minutes        | flat                     | spa636           |
|                                             |                | rising                   | spa637           |
|                                             |                | falling                  | spa638           |
| segundo                                     | second         | flat                     | spa640           |
|                                             |                | rising                   | spa641           |
|                                             |                | falling                  | spa642           |
| segundos                                    | seconds        | flat                     | spa644           |
|                                             |                | rising                   | spa645           |
|                                             |                | falling                  | spa646           |
| enero                                       | January        | flat                     | spa648           |
|                                             |                | rising                   | spa649           |
|                                             |                | falling                  | spa650           |
| febrero                                     | February       | flat                     | spa652           |
|                                             |                | rising                   | spa653           |
|                                             |                | falling                  | spa654           |
| marzo                                       | March          | flat                     | spa656           |
|                                             |                | rising                   | spa657           |
|                                             |                | falling                  | spa658           |
| abril                                       | April          | flat                     | spa660           |
|                                             |                | rising                   | spa661           |
|                                             |                | falling                  | spa662           |

**Spanish audio (Sheet 11 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| mayo                                        | May            | flat                     | spa664           |
|                                             |                | rising                   | spa665           |
|                                             |                | falling                  | spa666           |
| junio                                       | June           | flat                     | spa668           |
|                                             |                | rising                   | spa669           |
|                                             |                | falling                  | spa670           |
| julio                                       | July           | flat                     | spa672           |
|                                             |                | rising                   | spa673           |
|                                             |                | falling                  | spa674           |
| agosto                                      | August         | flat                     | spa676           |
|                                             |                | rising                   | spa677           |
|                                             |                | falling                  | spa678           |
| septiembre                                  | September      | flat                     | spa680           |
|                                             |                | rising                   | spa681           |
|                                             |                | falling                  | spa682           |
| octubre                                     | October        | flat                     | spa684           |
|                                             |                | rising                   | spa685           |
|                                             |                | falling                  | spa686           |
| noviembre                                   | November       | flat                     | spa688           |
|                                             |                | rising                   | spa689           |
|                                             |                | falling                  | spa690           |
| diciembre                                   | December       | flat                     | spa692           |
|                                             |                | rising                   | spa693           |
|                                             |                | falling                  | spa694           |
| domingo                                     | Sunday         | flat                     | spa696           |
|                                             |                | rising                   | spa697           |
|                                             |                | falling                  | spa698           |

**Spanish audio (Sheet 12 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b>      | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|---------------------|--------------------------|------------------|
| lunes                                       | Monday              | flat                     | spa700           |
|                                             |                     | rising                   | spa701           |
|                                             |                     | falling                  | spa702           |
| martes                                      | Tuesday             | flat                     | spa704           |
|                                             |                     | rising                   | spa705           |
|                                             |                     | falling                  | spa706           |
| miercoles                                   | Wednesday           | flat                     | spa708           |
|                                             |                     | rising                   | spa709           |
|                                             |                     | falling                  | spa710           |
| jueves                                      | Thursday            | flat                     | spa712           |
|                                             |                     | rising                   | spa713           |
|                                             |                     | falling                  | spa714           |
| vierness                                    | Friday              | flat                     | spa716           |
|                                             |                     | rising                   | spa717           |
|                                             |                     | falling                  | spa718           |
| sabado                                      | Saturday            | flat                     | spa720           |
|                                             |                     | rising                   | spa721           |
|                                             |                     | falling                  | spa722           |
| primero                                     | first<br>(counting) | flat                     | spa728           |
|                                             |                     | rising                   | spa729           |
|                                             |                     | falling                  | spa730           |
| segundo                                     | second              | flat                     | spa732           |
|                                             |                     | rising                   | spa733           |
|                                             |                     | falling                  | spa734           |
| tercero                                     | 3rd<br>(counting)   | flat                     | spa736           |
|                                             |                     | rising                   | spa737           |
|                                             |                     | falling                  | spa738           |

**Spanish audio (Sheet 13 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| cuarto                                      | fourth         | flat                     | spa740           |
|                                             |                | rising                   | spa741           |
|                                             |                | falling                  | spa742           |
| quinto                                      | fifth          | flat                     | spa744           |
|                                             |                | rising                   | spa745           |
|                                             |                | falling                  | spa746           |
| sexto                                       | sixth          | flat                     | spa748           |
|                                             |                | rising                   | spa749           |
|                                             |                | falling                  | spa750           |
| septimo                                     | seventh        | flat                     | spa752           |
|                                             |                | rising                   | spa753           |
|                                             |                | falling                  | spa754           |
| octavo                                      | eighth         | flat                     | spa756           |
|                                             |                | rising                   | spa757           |
|                                             |                | falling                  | spa758           |
| novenos                                     | ninth          | flat                     | spa760           |
|                                             |                | rising                   | spa761           |
|                                             |                | falling                  | spa762           |
| decimo                                      | tenth          | flat                     | spa764           |
|                                             |                | rising                   | spa765           |
|                                             |                | falling                  | spa766           |
| decimo primeiro                             | eleventh       | flat                     | spa768           |
|                                             |                | rising                   | spa769           |
|                                             |                | falling                  | spa770           |
| duodecimo                                   | twelfth        | flat                     | spa772           |
|                                             |                | rising                   | spa773           |
|                                             |                | falling                  | spa774           |



**Spanish audio (Sheet 14 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| decimo terceiro                             | thirteenth     | flat                     | spa776           |
|                                             |                | rising                   | spa777           |
|                                             |                | falling                  | spa778           |
| decimo cuarto                               | fourteenth     | flat                     | spa780           |
|                                             |                | rising                   | spa781           |
|                                             |                | falling                  | spa782           |
| decimo quinto                               | fifteenth      | flat                     | spa784           |
|                                             |                | rising                   | spa785           |
|                                             |                | falling                  | spa786           |
| decimo sexto                                | sixteenth      | flat                     | spa788           |
|                                             |                | rising                   | spa789           |
|                                             |                | falling                  | spa790           |
| decimo septimo                              | seventeenth    | flat                     | spa792           |
|                                             |                | rising                   | spa793           |
|                                             |                | falling                  | spa794           |
| decimo ocatvo                               | eighteenth     | flat                     | spa796           |
|                                             |                | rising                   | spa797           |
|                                             |                | falling                  | spa798           |
| decimo noveno                               | nineteenth     | flat                     | spa800           |
|                                             |                | rising                   | spa801           |
|                                             |                | falling                  | spa802           |
| vigesimo                                    | twentieth      | flat                     | spa804           |
|                                             |                | rising                   | spa805           |
|                                             |                | falling                  | spa806           |
| trigesimo                                   | thirtieth      | flat                     | spa808           |
|                                             |                | rising                   | spa809           |
|                                             |                | falling                  | spa810           |

**Spanish audio (Sheet 15 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b>    | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-------------------|--------------------------|------------------|
| cuadragesimo                                | fortieth          | flat                     | spa812           |
|                                             |                   | rising                   | spa813           |
|                                             |                   | falling                  | spa814           |
| quincuagesimo                               | fiftieth          | flat                     | spa816           |
|                                             |                   | rising                   | spa817           |
|                                             |                   | falling                  | spa818           |
| sexagesimo                                  | sixtieth          | flat                     | spa820           |
|                                             |                   | rising                   | spa821           |
|                                             |                   | falling                  | spa822           |
| septuagesimo                                | seventieth        | flat                     | spa824           |
|                                             |                   | rising                   | spa825           |
|                                             |                   | falling                  | spa826           |
| octagesimo                                  | eightieth         | flat                     | spa828           |
|                                             |                   | rising                   | spa829           |
|                                             |                   | falling                  | spa830           |
| nonagesimo                                  | ninetieth         | flat                     | spa832           |
|                                             |                   | rising                   | spa833           |
|                                             |                   | falling                  | spa834           |
| centesimo                                   | one-hundredth     | flat                     | spa836           |
|                                             |                   | rising                   | spa837           |
|                                             |                   | falling                  | spa838           |
| “simbolo de numero”                         | pound sign<br>(#) | flat                     | spa896           |
|                                             |                   | rising                   | spa897           |
|                                             |                   | falling                  | spa898           |
| asterisco                                   | asterisk<br>(*)   | flat                     | spa900           |
|                                             |                   | rising                   | spa901           |
|                                             |                   | falling                  | spa902           |

**Spanish audio (Sheet 16 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-----------------------|--------------------------|------------------|
| dollar                                      | dollar<br>(US)        | flat                     | spa1200          |
|                                             |                       | rising                   | spa1201          |
|                                             |                       | falling                  | spa1202          |
| dollars                                     | dollars<br>(US)       | flat                     | spa1204          |
|                                             |                       | rising                   | spa1205          |
|                                             |                       | falling                  | spa1206          |
| cent                                        | cent<br>(US)          | flat                     | spa1208          |
|                                             |                       | rising                   | spa1209          |
|                                             |                       | falling                  | spa1210          |
| cents                                       | cents<br>(US)         | flat                     | spa1212          |
|                                             |                       | rising                   | spa1213          |
|                                             |                       | falling                  | spa1214          |
| mark                                        | mark<br>(Germany)     | flat                     | spa1216          |
|                                             |                       | rising                   | spa1217          |
|                                             |                       | falling                  | spa1218          |
| marks                                       | marks<br>(Germany)    | flat                     | spa1220          |
|                                             |                       | rising                   | spa1221          |
|                                             |                       | falling                  | spa1222          |
| pfennig                                     | pfennig<br>(Germany)  | flat                     | spa1224          |
|                                             |                       | rising                   | spa1225          |
|                                             |                       | falling                  | spa1226          |
| pfennigs                                    | pfennigs<br>(Germany) | flat                     | spa1228          |
|                                             |                       | rising                   | spa1229          |
|                                             |                       | falling                  | spa1230          |
| yen                                         | yen<br>(Japan)        | flat                     | spa1232          |
|                                             |                       | rising                   | spa1233          |
|                                             |                       | falling                  | spa1234          |

**Spanish audio (Sheet 17 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|---------------------------|--------------------------|------------------|
| yens                                        | yens<br>(Japan)           | flat                     | spa1236          |
|                                             |                           | rising                   | spa1237          |
|                                             |                           | falling                  | spa1238          |
| lira                                        | lira<br>(Italy)           | flat                     | spa1240          |
|                                             |                           | rising                   | spa1241          |
|                                             |                           | falling                  | spa1242          |
| liras                                       | liras<br>(Italy)          | flat                     | spa1244          |
|                                             |                           | rising                   | spa1245          |
|                                             |                           | falling                  | spa1246          |
| guilder                                     | guilder<br>(Netherlands)  | flat                     | spa1248          |
|                                             |                           | rising                   | spa1249          |
|                                             |                           | falling                  | spa1250          |
| guilders                                    | guilders<br>(Netherlands) | flat                     | spa1252          |
|                                             |                           | rising                   | spa1253          |
|                                             |                           | falling                  | spa1254          |
| cent                                        | cent<br>(Netherlands)     | flat                     | spa1256          |
|                                             |                           | rising                   | spa1257          |
|                                             |                           | falling                  | spa1258          |
| cents                                       | cents<br>(Netherlands)    | flat                     | spa1260          |
|                                             |                           | rising                   | spa1261          |
|                                             |                           | falling                  | spa1262          |
| pound                                       | pound<br>(UK)             | flat                     | spa1264          |
|                                             |                           | rising                   | spa1265          |
|                                             |                           | falling                  | spa1266          |
| pounds                                      | pounds<br>(UK)            | flat                     | spa1268          |
|                                             |                           | rising                   | spa1269          |
|                                             |                           | falling                  | spa1270          |

**Spanish audio (Sheet 18 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-----------------------|--------------------------|------------------|
| penny                                       | penny<br>(UK)         | flat                     | spa1272          |
|                                             |                       | rising                   | spa1273          |
|                                             |                       | falling                  | spa1274          |
| pence                                       | pence<br>(UK)         | flat                     | spa1276          |
|                                             |                       | rising                   | spa1277          |
|                                             |                       | falling                  | spa1278          |
| euro                                        | euro<br>(Europe)      | flat                     | spa1280          |
|                                             |                       | rising                   | spa1281          |
|                                             |                       | falling                  | spa1282          |
| euros                                       | euros<br>(Europe)     | flat                     | spa1284          |
|                                             |                       | rising                   | spa1285          |
|                                             |                       | falling                  | spa1286          |
| eurocent                                    | eurocent<br>(Europe)  | flat                     | spa1288          |
|                                             |                       | rising                   | spa1289          |
|                                             |                       | falling                  | spa1290          |
| eurocents                                   | eurocents<br>(Europe) | flat                     | spa1292          |
|                                             |                       | rising                   | spa1293          |
|                                             |                       | falling                  | spa1294          |
| franc                                       | franc<br>(France)     | flat                     | spa1296          |
|                                             |                       | rising                   | spa1297          |
|                                             |                       | falling                  | spa1298          |
| francs                                      | francs<br>(France)    | flat                     | spa1300          |
|                                             |                       | rising                   | spa1301          |
|                                             |                       | falling                  | spa1302          |
| centime                                     | centime<br>(France)   | flat                     | spa1304          |
|                                             |                       | rising                   | spa1305          |
|                                             |                       | falling                  | spa1306          |

**Spanish audio (Sheet 19 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|---------------------------|--------------------------|------------------|
| centimes                                    | centimes<br>(France)      | flat                     | spa1308          |
|                                             |                           | rising                   | spa1309          |
|                                             |                           | falling                  | spa1310          |
| peseta                                      | peseta<br>(Spain)         | flat                     | spa1312          |
|                                             |                           | rising                   | spa1313          |
|                                             |                           | falling                  | spa1314          |
| pesetas                                     | pesetas<br>(Spain)        | flat                     | spa1316          |
|                                             |                           | rising                   | spa1317          |
|                                             |                           | falling                  | spa1318          |
| peso                                        | peso<br>(Philippines)     | flat                     | spa1328          |
|                                             |                           | rising                   | spa1329          |
|                                             |                           | falling                  | spa1330          |
| pesos                                       | pesos<br>(Philippines)    | flat                     | spa1332          |
|                                             |                           | rising                   | spa1333          |
|                                             |                           | falling                  | spa1334          |
| centavo                                     | centavo<br>(Philippines)  | flat                     | spa1336          |
|                                             |                           | rising                   | spa1337          |
|                                             |                           | falling                  | spa1338          |
| centavos                                    | centavos<br>(Philippines) | flat                     | spa1340          |
|                                             |                           | rising                   | spa1341          |
|                                             |                           | falling                  | spa1342          |
| ringgit                                     | ringgit<br>(Malaysia)     | flat                     | spa1344          |
|                                             |                           | rising                   | spa1345          |
|                                             |                           | falling                  | spa1346          |
| ringgits                                    | ringgits<br>(Malaysia)    | flat                     | spa1348          |
|                                             |                           | rising                   | spa1349          |
|                                             |                           | falling                  | spa1350          |

**Spanish audio (Sheet 20 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-----------------------|--------------------------|------------------|
| sen                                         | sen<br>(Malaysia)     | flat                     | spa1352          |
|                                             |                       | rising                   | spa1353          |
|                                             |                       | falling                  | spa1354          |
| sens                                        | sens<br>(Malaysia)    | flat                     | spa1356          |
|                                             |                       | rising                   | spa1357          |
|                                             |                       | falling                  | spa1358          |
| baht                                        | baht<br>(Thailand)    | flat                     | spa1360          |
|                                             |                       | rising                   | spa1361          |
|                                             |                       | falling                  | spa1362          |
| bahts                                       | bahts<br>(Thailand)   | flat                     | spa1364          |
|                                             |                       | rising                   | spa1365          |
|                                             |                       | falling                  | spa1366          |
| satang                                      | satang<br>(Thailand)  | flat                     | spa1368          |
|                                             |                       | rising                   | spa1369          |
|                                             |                       | falling                  | spa1370          |
| satangs                                     | satangs<br>(Thailand) | flat                     | spa1372          |
|                                             |                       | rising                   | spa1373          |
|                                             |                       | falling                  | spa1374          |
| won                                         | won<br>(Korea)        | flat                     | spa1376          |
|                                             |                       | rising                   | spa1377          |
|                                             |                       | falling                  | spa1378          |
| wons                                        | wons<br>(Korea)       | flat                     | spa1380          |
|                                             |                       | rising                   | spa1381          |
|                                             |                       | falling                  | spa1382          |
| franc                                       | franc<br>(Belgium)    | flat                     | spa1384          |
|                                             |                       | rising                   | spa1385          |
|                                             |                       | falling                  | spa1386          |

**Spanish audio (Sheet 21 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|------------------------|--------------------------|------------------|
| francs                                      | francs<br>(Belgium)    | flat                     | spa 1388         |
|                                             |                        | rising                   | spa1389          |
|                                             |                        | falling                  | spa1390          |
| centime                                     | centime<br>(Belgium)   | flat                     | spa1392          |
|                                             |                        | rising                   | spa1393          |
|                                             |                        | falling                  | spa1394          |
| centimes                                    | centimes<br>(Belgium)  | flat                     | spa1396          |
|                                             |                        | rising                   | spa1397          |
|                                             |                        | falling                  | spa1398          |
| dollar                                      | dollar<br>(Canada)     | flat                     | spa1400          |
|                                             |                        | rising                   | spa1401          |
|                                             |                        | falling                  | spa1402          |
| dollars                                     | dollars<br>(Canada)    | flat                     | spa1404          |
|                                             |                        | rising                   | spa1405          |
|                                             |                        | falling                  | spa1406          |
| cent                                        | cent<br>(Canada)       | flat                     | spa1408          |
|                                             |                        | rising                   | spa1409          |
|                                             |                        | falling                  | spa1410          |
| cents                                       | cents<br>(Canada)      | flat                     | spa1412          |
|                                             |                        | rising                   | spa1413          |
|                                             |                        | falling                  | spa1414          |
| dollar                                      | dollar<br>(Hong Kong)  | flat                     | spa1416          |
|                                             |                        | rising                   | spa1417          |
|                                             |                        | falling                  | spa1418          |
| dollars                                     | dollars<br>(Hong Kong) | flat                     | spa1420          |
|                                             |                        | rising                   | spa1421          |
|                                             |                        | falling                  | spa1422          |



**Spanish audio (Sheet 22 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b>         | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|------------------------|--------------------------|------------------|
| gok                                         | gok<br>(Hong Kong)     | flat                     | spa1488          |
|                                             |                        | rising                   | spa1489          |
|                                             |                        | falling                  | spa1490          |
| goks                                        | goks<br>(Hong Kong)    | flat                     | spa1492          |
|                                             |                        | rising                   | spa1493          |
|                                             |                        | falling                  | spa1494          |
| cent                                        | cent<br>(Hong Kong)    | flat                     | spa1424          |
|                                             |                        | rising                   | spa1425          |
|                                             |                        | falling                  | spa1426          |
| cents                                       | cents<br>(Hong Kong)   | flat                     | spa1428          |
|                                             |                        | rising                   | spa1429          |
|                                             |                        | falling                  | spa1430          |
| escudo                                      | escudo<br>(Portugal)   | flat                     | spa1432          |
|                                             |                        | rising                   | spa1433          |
|                                             |                        | falling                  | spa1434          |
| escudos                                     | escudos<br>(Portugal)  | flat                     | spa1436          |
|                                             |                        | rising                   | spa1437          |
|                                             |                        | falling                  | spa1438          |
| centavo                                     | centavo<br>(Portugal)  | flat                     | spa1440          |
|                                             |                        | rising                   | spa1441          |
|                                             |                        | falling                  | spa1442          |
| centavos                                    | centavos<br>(Portugal) | flat                     | spa1444          |
|                                             |                        | rising                   | spa1445          |
|                                             |                        | falling                  | spa1446          |
| yuan                                        | yuan<br>(China)        | flat                     | spa1448          |
|                                             |                        | rising                   | spa1449          |
|                                             |                        | falling                  | spa1450          |

**Spanish audio (Sheet 23 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b>      | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|---------------------|--------------------------|------------------|
| yuans                                       | yuans<br>(China)    | flat                     | spa1452          |
|                                             |                     | rising                   | spa1453          |
|                                             |                     | falling                  | spa1454          |
| jiao                                        | jiao<br>(China)     | flat                     | spa1456          |
|                                             |                     | rising                   | spa1457          |
|                                             |                     | falling                  | spa1458          |
| jiaos                                       | jiaos<br>(China)    | flat                     | spa1460          |
|                                             |                     | rising                   | spa1461          |
|                                             |                     | falling                  | spa1462          |
| fen                                         | fen<br>(China)      | flat                     | spa1464          |
|                                             |                     | rising                   | spa1465          |
|                                             |                     | falling                  | spa1466          |
| fens                                        | fens<br>(China)     | flat                     | spa1468          |
|                                             |                     | rising                   | spa1469          |
|                                             |                     | falling                  | spa1470          |
| pound                                       | pound<br>(Ireland)  | flat                     | spa1472          |
|                                             |                     | rising                   | spa1473          |
|                                             |                     | falling                  | spa1474          |
| pounds                                      | pounds<br>(Ireland) | flat                     | spa1476          |
|                                             |                     | rising                   | spa1477          |
|                                             |                     | falling                  | spa1478          |
| penny                                       | penny<br>(Ireland)  | flat                     | spa1480          |
|                                             |                     | rising                   | spa1481          |
|                                             |                     | falling                  | spa1482          |
| pence                                       | pence<br>(Ireland)  | flat                     | spa1484          |
|                                             |                     | rising                   | spa1485          |
|                                             |                     | falling                  | spa1486          |

**Spanish audio (Sheet 24 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| un                                          | one<br>(masc)  | flat                     | spa920           |
|                                             |                | rising                   | spa921           |
|                                             |                | falling                  | spa922           |
| una                                         | one<br>(fem)   | flat                     | spa924           |
|                                             |                | rising                   | spa925           |
|                                             |                | falling                  | spa926           |
| cien                                        | 100            | flat                     | spa928           |
|                                             |                | rising                   | spa929           |
|                                             |                | falling                  | spa930           |
| cienta                                      | 100<br>(fem)   | flat                     | spa932           |
|                                             |                | rising                   | spa933           |
|                                             |                | falling                  | spa934           |
| doscientas                                  | 200<br>(fem)   | flat                     | spa936           |
|                                             |                | rising                   | spa937           |
|                                             |                | falling                  | spa938           |
| trescientas                                 | 300<br>(fem)   | flat                     | spa940           |
|                                             |                | rising                   | spa941           |
|                                             |                | falling                  | spa942           |
| cuatrocientas                               | 400<br>(fem)   | flat                     | spa944           |
|                                             |                | rising                   | spa945           |
|                                             |                | falling                  | spa946           |
| quiccientas                                 | 500<br>(fem)   | flat                     | spa948           |
|                                             |                | rising                   | spa949           |
|                                             |                | falling                  | spa950           |
| seiscientas                                 | 600<br>(fem)   | flat                     | spa952           |
|                                             |                | rising                   | spa953           |
|                                             |                | falling                  | spa954           |

**Spanish audio (Sheet 25 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| setecientas                                 | 700            | flat                     | spa956           |
|                                             | (fem)          | rising                   | spa957           |
|                                             |                | falling                  | spa958           |
| ochocientas                                 | 800            | flat                     | spa960           |
|                                             | (fem)          | rising                   | spa961           |
|                                             |                | falling                  | spa962           |
| novecientas                                 | 900            | flat                     | spa964           |
|                                             | (fem)          | rising                   | spa965           |
|                                             |                | falling                  | spa966           |
| trienta y                                   | “thirty and”   | flat                     | spa968           |
|                                             |                | rising                   | spa969           |
|                                             |                | falling                  | spa970           |
| cuarenta y                                  | “forty and”    | flat                     | spa972           |
|                                             |                | rising                   | spa973           |
|                                             |                | falling                  | spa974           |
| cincuenta y                                 | “fifty and”    | flat                     | spa976           |
|                                             |                | rising                   | spa977           |
|                                             |                | falling                  | spa978           |
| sesenta y                                   | “sixty and”    | flat                     | spa980           |
|                                             |                | rising                   | spa981           |
|                                             |                | falling                  | spa982           |
| setenta y                                   | “seventy and”  | flat                     | spa984           |
|                                             |                | rising                   | spa985           |
|                                             |                | falling                  | spa986           |
| ochenta y                                   | “eighty and”   | flat                     | spa988           |
|                                             |                | rising                   | spa989           |
|                                             |                | falling                  | spa990           |

**Spanish audio (Sheet 26 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b>   | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|------------------|--------------------------|------------------|
| noventa y                                   | “ninety and”     | flat                     | spa992           |
|                                             |                  | rising                   | spa993           |
|                                             |                  | falling                  | spa994           |
| primera                                     | first<br>(fem)   | flat                     | spa1032          |
|                                             |                  | rising                   | spa1033          |
|                                             |                  | falling                  | spa1034          |
| segunda                                     | second<br>(fem)  | flat                     | spa1036          |
|                                             |                  | rising                   | spa1037          |
|                                             |                  | falling                  | spa1038          |
| tercera                                     | third<br>(fem)   | flat                     | spa1040          |
|                                             |                  | rising                   | spa1041          |
|                                             |                  | falling                  | spa1042          |
| cuarta                                      | fourth<br>(fem)  | flat                     | spa1044          |
|                                             |                  | rising                   | spa1045          |
|                                             |                  | falling                  | spa1046          |
| quinta                                      | fifth<br>(fem)   | flat                     | spa1048          |
|                                             |                  | rising                   | spa1049          |
|                                             |                  | falling                  | spa1050          |
| sexta                                       | sixth<br>(fem)   | flat                     | spa1052          |
|                                             |                  | rising                   | spa1053          |
|                                             |                  | falling                  | spa1054          |
| septima                                     | seventh<br>(fem) | flat                     | spa1056          |
|                                             |                  | rising                   | spa1057          |
|                                             |                  | falling                  | spa1058          |
| octava                                      | eighth<br>(fem)  | flat                     | spa1060          |
|                                             |                  | rising                   | spa1061          |
|                                             |                  | falling                  | spa1062          |

**Spanish audio (Sheet 27 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| novena                                      | ninth          | flat                     | spa1064          |
|                                             | (fem)          | rising                   | spa1065          |
|                                             |                | falling                  | spa1066          |
| decima                                      | tenth          | flat                     | spa1068          |
|                                             | (fem)          | rising                   | spa1069          |
|                                             |                | falling                  | spa1070          |
| undecima                                    | eleventh       | flat                     | spa1072          |
|                                             | (fem)          | rising                   | spa1073          |
|                                             |                | falling                  | spa1074          |
| duodecima                                   | twelfth        | flat                     | spa1076          |
|                                             | (fem)          | rising                   | spa1077          |
|                                             |                | falling                  | spa1078          |
| decimotercera                               | thirteenth     | flat                     | spa1080          |
|                                             | (fem)          | rising                   | spa1081          |
|                                             |                | falling                  | spa1082          |
| decimocuarta                                | fourteenth     | flat                     | spa1084          |
|                                             | (fem)          | rising                   | spa1085          |
|                                             |                | falling                  | spa1086          |
| decimoquinta                                | fifteenth      | flat                     | spa1088          |
|                                             | (fem)          | rising                   | spa1089          |
|                                             |                | falling                  | spa1090          |
| decimosexta                                 | sixteenth      | flat                     | spa1092          |
|                                             | (fem)          | rising                   | spa1093          |
|                                             |                | falling                  | spa1094          |
| decimoseptima                               | seventeenth    | flat                     | spa1096          |
|                                             | (fem)          | rising                   | spa1097          |
|                                             |                | falling                  | spa1098          |

**Spanish audio (Sheet 28 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b>      | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|---------------------|--------------------------|------------------|
| decimoctava                                 | eighteenth<br>(fem) | flat                     | spa1100          |
|                                             |                     | rising                   | spa1101          |
|                                             |                     | falling                  | spa1102          |
| decimonovena                                | nineteenth<br>(fem) | flat                     | spa1104          |
|                                             |                     | rising                   | spa1105          |
|                                             |                     | falling                  | spa1106          |
| vigesima                                    | twentieth<br>(fem)  | flat                     | spa1108          |
|                                             |                     | rising                   | spa1109          |
|                                             |                     | falling                  | spa1110          |
| trigesima                                   | thirtieth<br>(fem)  | flat                     | spa1112          |
|                                             |                     | rising                   | spa1113          |
|                                             |                     | falling                  | spa1114          |
| cuadragésima                                | fortieth<br>(fem)   | flat                     | spa1116          |
|                                             |                     | rising                   | spa1117          |
|                                             |                     | falling                  | spa1118          |
| quincuagesima                               | fiftieth<br>(fem)   | flat                     | spa1120          |
|                                             |                     | rising                   | spa1121          |
|                                             |                     | falling                  | spa1122          |
| sexagesima                                  | sixtieth<br>(fem)   | flat                     | spa1124          |
|                                             |                     | rising                   | spa1125          |
|                                             |                     | falling                  | spa1126          |
| septuagesima                                | seventieth<br>(fem) | flat                     | spa1128          |
|                                             |                     | rising                   | spa1129          |
|                                             |                     | falling                  | spa1130          |
| octogesima                                  | eightieth<br>(fem)  | flat                     | spa1132          |
|                                             |                     | rising                   | spa1133          |
|                                             |                     | falling                  | spa1134          |

**Spanish audio (Sheet 29 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b>          | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-------------------------|--------------------------|------------------|
| nonagesima                                  | ninetieth<br>(fem)      | flat                     | spa1136          |
|                                             |                         | rising                   | spa1137          |
|                                             |                         | falling                  | spa1138          |
| centesima                                   | one-hundredth<br>(fem)  | flat                     | spa1140          |
|                                             |                         | rising                   | spa1141          |
|                                             |                         | falling                  | spa1142          |
| millones                                    | millions                | flat                     | spa1144          |
|                                             |                         | rising                   | spa1145          |
|                                             |                         | falling                  | spa1146          |
| de                                          | of                      | flat                     | spa1148          |
|                                             |                         | rising                   | spa1149          |
|                                             |                         | falling                  | spa1150          |
| ventiun                                     | twenty-one (masc)       | flat                     | spa1152          |
|                                             |                         | rising                   | spa1153          |
|                                             |                         | falling                  | spa1154          |
| ventiuna                                    | twenty-one<br>(fem)     | flat                     | spa1156          |
|                                             |                         | rising                   | spa1157          |
|                                             |                         | falling                  | spa1158          |
| primer                                      | first<br>(masc)         | flat                     | spa1160          |
|                                             |                         | rising                   | spa1161          |
|                                             |                         | falling                  | spa1162          |
| tercer                                      | third<br>(masc)         | flat                     | spa1164          |
|                                             |                         | rising                   | spa1165          |
|                                             |                         | falling                  | spa1166          |
| primeros                                    | first<br>(masc, plural) | flat                     | spa1500          |
|                                             |                         | rising                   | spa1501          |
|                                             |                         | falling                  | spa1502          |



**Spanish audio (Sheet 30 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b>            | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|---------------------------|--------------------------|------------------|
| segundos                                    | second<br>(masc, plural)  | flat                     | spa1504          |
|                                             |                           | rising                   | spa1505          |
|                                             |                           | falling                  | spa1506          |
| terceros                                    | third<br>(masc, plural)   | flat                     | spa1508          |
|                                             |                           | rising                   | spa1509          |
|                                             |                           | falling                  | spa1510          |
| cuartos                                     | fourth<br>(masc, plural)  | flat                     | spa1512          |
|                                             |                           | rising                   | spa1513          |
|                                             |                           | falling                  | spa1514          |
| quintos                                     | fifth<br>(masc, plural)   | flat                     | spa1516          |
|                                             |                           | rising                   | spa1517          |
|                                             |                           | falling                  | spa1518          |
| sextos                                      | sixth<br>(masc, plural)   | flat                     | spa1520          |
|                                             |                           | rising                   | spa1521          |
|                                             |                           | falling                  | spa1522          |
| septimos                                    | seventh<br>(masc, plural) | flat                     | spa1524          |
|                                             |                           | rising                   | spa1525          |
|                                             |                           | falling                  | spa1526          |
| octavos                                     | eighth<br>(masc, plural)  | flat                     | spa1528          |
|                                             |                           | rising                   | spa1529          |
|                                             |                           | falling                  | spa1530          |
| novenos                                     | ninth<br>(masc, plural)   | flat                     | spa1532          |
|                                             |                           | rising                   | spa1533          |
|                                             |                           | falling                  | spa1534          |
| decimos                                     | tenth<br>(masc, plural)   | flat                     | spa1536          |
|                                             |                           | rising                   | spa1537          |
|                                             |                           | falling                  | spa1538          |

**Spanish audio (Sheet 31 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b>                | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-------------------------------|--------------------------|------------------|
| undecimos                                   | eleventh<br>(masc, plural)    | flat                     | spa1540          |
|                                             |                               | rising                   | spa1541          |
|                                             |                               | falling                  | spa1542          |
| duodecimos                                  | twelfth<br>(masc, plural)     | flat                     | spa1544          |
|                                             |                               | rising                   | spa1545          |
|                                             |                               | falling                  | spa1546          |
| decimoterceros                              | thirteenth<br>(masc, plural)  | flat                     | spa1548          |
|                                             |                               | rising                   | spa1549          |
|                                             |                               | falling                  | spa1550          |
| decimocuartos                               | fourteenth<br>(masc, plural)  | flat                     | spa1552          |
|                                             |                               | rising                   | spa1553          |
|                                             |                               | falling                  | spa1554          |
| decimoquintos                               | fifteenth<br>(masc, plural)   | flat                     | spa1556          |
|                                             |                               | rising                   | spa1557          |
|                                             |                               | falling                  | spa1558          |
| decimosextos                                | sixteenth<br>(masc, plural)   | flat                     | spa1560          |
|                                             |                               | rising                   | spa1561          |
|                                             |                               | falling                  | spa1562          |
| decimoseptimos                              | seventeenth<br>(masc, plural) | flat                     | spa1564          |
|                                             |                               | rising                   | spa1565          |
|                                             |                               | falling                  | spa1566          |
| decimooctavos                               | eighteenth<br>(masc, plural)  | flat                     | spa1568          |
|                                             |                               | rising                   | spa1569          |
|                                             |                               | falling                  | spa1570          |
| decimonovenos                               | nineteenth<br>(masc, plural)  | flat                     | spa1572          |
|                                             |                               | rising                   | spa1573          |
|                                             |                               | falling                  | spa1574          |

**Spanish audio (Sheet 32 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b>                  | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|---------------------------------|--------------------------|------------------|
| vigésimos                                   | twentieth<br>(masc, plural)     | flat                     | spa1576          |
|                                             |                                 | rising                   | spa1577          |
|                                             |                                 | falling                  | spa1578          |
| trigesimos                                  | thirtieth<br>(masc, plural)     | flat                     | spa1580          |
|                                             |                                 | rising                   | spa1581          |
|                                             |                                 | falling                  | spa1582          |
| cuadragésimos                               | fortieth<br>(masc, plural)      | flat                     | spa1584          |
|                                             |                                 | rising                   | spa1585          |
|                                             |                                 | falling                  | spa1586          |
| quincuagesimos                              | fiftieth<br>(masc, plural)      | flat                     | spa1588          |
|                                             |                                 | rising                   | spa1589          |
|                                             |                                 | falling                  | spa1590          |
| sexagesimos                                 | sixtieth<br>(masc, plural)      | flat                     | spa1592          |
|                                             |                                 | rising                   | spa1593          |
|                                             |                                 | falling                  | spa1594          |
| septuagesimos                               | seventieth<br>(masc, plural)    | flat                     | spa1596          |
|                                             |                                 | rising                   | spa1597          |
|                                             |                                 | falling                  | spa1598          |
| octogesimos                                 | eightieth<br>(masc, plural)     | flat                     | spa1600          |
|                                             |                                 | rising                   | spa1601          |
|                                             |                                 | falling                  | spa1602          |
| nonagesimos                                 | ninetieth<br>(masc, plural)     | flat                     | spa1604          |
|                                             |                                 | rising                   | spa1605          |
|                                             |                                 | falling                  | spa1606          |
| centésimos                                  | one-hundredth<br>(masc, plural) | flat                     | spa1608          |
|                                             |                                 | rising                   | spa1609          |
|                                             |                                 | falling                  | spa1610          |

**Spanish audio (Sheet 33 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| primeras                                    | first          | flat                     | spa1612          |
|                                             | (fem, plural)  | rising                   | spa1613          |
|                                             |                | falling                  | spa1614          |
| segundas                                    | second         | flat                     | spa1616          |
|                                             | (fem, plural)  | rising                   | spa1617          |
|                                             |                | falling                  | spa1618          |
| terceras                                    | third          | flat                     | spa1620          |
|                                             | (fem, plural)  | rising                   | spa1621          |
|                                             |                | falling                  | spa1622          |
| cuartas                                     | fourth         | flat                     | spa1624          |
|                                             | (fem, plural)  | rising                   | spa1625          |
|                                             |                | falling                  | spa1626          |
| quintas                                     | fifth          | flat                     | spa1628          |
|                                             | (fem, plural)  | rising                   | spa1629          |
|                                             |                | falling                  | spa1630          |
| sextas                                      | sixth          | flat                     | spa1632          |
|                                             | (fem, plural)  | rising                   | spa1633          |
|                                             |                | falling                  | spa1634          |
| septimas                                    | seventh        | flat                     | spa1636          |
|                                             | (fem, plural)  | rising                   | spa1637          |
|                                             |                | falling                  | spa1638          |
| octavas                                     | eighth         | flat                     | spa1640          |
|                                             | (fem, plural)  | rising                   | spa1641          |
|                                             |                | falling                  | spa1642          |
| novenas                                     | ninth          | flat                     | spa1644          |
|                                             | (fem, plural)  | rising                   | spa1645          |
|                                             |                | falling                  | spa1646          |

**Spanish audio (Sheet 34 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| decimas                                     | tenth          | flat                     | spa1648          |
|                                             | (fem, plural)  | rising                   | spa1649          |
|                                             |                | falling                  | spa1650          |
| undecimas                                   | eleventh       | flat                     | spa1652          |
|                                             | (fem, plural)  | rising                   | spa1653          |
|                                             |                | falling                  | spa1654          |
| duodecimas                                  | twelfth        | flat                     | spa1656          |
|                                             | (fem, plural)  | rising                   | spa1657          |
|                                             |                | falling                  | spa1658          |
| decimoterceras                              | thirteenth     | flat                     | spa1660          |
|                                             | (fem, plural)  | rising                   | spa1661          |
|                                             |                | falling                  | spa1662          |
| decimocuartas                               | fourteenth     | flat                     | spa1664          |
|                                             | (fem, plural)  | rising                   | spa1665          |
|                                             |                | falling                  | spa1666          |
| decimoquintas                               | fifteenth      | flat                     | spa1668          |
|                                             | (fem, plural)  | rising                   | spa1669          |
|                                             |                | falling                  | spa1670          |
| decimosextas                                | sixteenth      | flat                     | spa1672          |
|                                             | (fem, plural)  | rising                   | spa1673          |
|                                             |                | falling                  | spa1674          |
| decimoseptimas                              | seventeenth    | flat                     | spa1676          |
|                                             | (fem, plural)  | rising                   | spa1677          |
|                                             |                | falling                  | spa1678          |
| decimoctavas                                | eighteenth     | flat                     | spa1680          |
|                                             | (fem, plural)  | rising                   | spa1681          |
|                                             |                | falling                  | spa1682          |

**Spanish audio (Sheet 35 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b>              | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-----------------------------|--------------------------|------------------|
| decimonovenas                               | nineteenth<br>(fem, plural) | flat                     | spa1684          |
|                                             |                             | rising                   | spa1685          |
|                                             |                             | falling                  | spa1686          |
| vigésimas                                   | twentieth<br>(fem, plural)  | flat                     | spa1688          |
|                                             |                             | rising                   | spa1689          |
|                                             |                             | falling                  | spa1690          |
| trigesimas                                  | thirtieth<br>(fem, plural)  | flat                     | spa1692          |
|                                             |                             | rising                   | spa1693          |
|                                             |                             | falling                  | spa1694          |
| cuadragesimas                               | fortieth<br>(fem, plural)   | flat                     | spa1696          |
|                                             |                             | rising                   | spa1697          |
|                                             |                             | falling                  | spa1698          |
| quincuagesimas                              | fiftieth<br>(fem, plural)   | flat                     | spa1700          |
|                                             |                             | rising                   | spa1701          |
|                                             |                             | falling                  | spa1702          |
| sexagesimas                                 | sixtieth<br>(fem, plural)   | flat                     | spa1704          |
|                                             |                             | rising                   | spa1705          |
|                                             |                             | falling                  | spa1706          |
| septuagesimas                               | seventieth<br>(fem, plural) | flat                     | spa1708          |
|                                             |                             | rising                   | spa1709          |
|                                             |                             | falling                  | spa1710          |
| octogesimas                                 | eightieth<br>(fem, plural)  | flat                     | spa1712          |
|                                             |                             | rising                   | spa1713          |
|                                             |                             | falling                  | spa1714          |

**Spanish audio (Sheet 36 of 36)**

| <b>Spanish phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| nonagesimas                                 | ninetieth      | flat                     | spa1716          |
|                                             | (fem, plural)  | rising                   | spa1717          |
|                                             |                | falling                  | spa1718          |
| centesimas                                  | one-hundredth  | flat                     | spa1720          |
|                                             | (fem, plural)  | rising                   | spa1721          |
|                                             |                | falling                  | spa1722          |

## Tagalog audio files

**Note 1:** Use audio file names tgl508–tgl610 for the multilanguage strings functionality. Recording of this audio is optional and the content of the recording can be any word. This audio is only required when the string functionality is used.

**Note 2:** Audio file names, tgl728–tgl890 are used for playing negative numbers and NADN numbers. In Tagalog, negative numbers and NADN numbers are spoken in English. Thus, to play a negative number (both cardinal and ordinal) or an NADN number, this audio must be provisioned.

**Note 3:** Only record audio filenames tgl1200–tgl1486 if you provision audio for this currency.

### Tagalog audio (Sheet 1 of 26)

| Tagalog phrase or English equivalent | English | Phrase intonation | File name |
|--------------------------------------|---------|-------------------|-----------|
| zero                                 | zero    | flat              | tgl0      |
|                                      |         | rising            | tgl1      |
|                                      |         | falling           | tgl2      |
| one                                  | one     | flat              | tgl8      |
|                                      |         | rising            | tgl9      |
|                                      |         | falling           | tgl10     |
| two                                  | two     | flat              | tgl12     |
|                                      |         | rising            | tgl13     |
|                                      |         | falling           | tgl14     |
| three                                | three   | flat              | tgl16     |
|                                      |         | rising            | tgl17     |
|                                      |         | falling           | tgl18     |
| four                                 | four    | flat              | tgl20     |
|                                      |         | rising            | tgl21     |
|                                      |         | falling           | tgl22     |



**Tagalog audio (Sheet 2 of 26)**

| <b>Tagalog phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| five                                        | five           | flat                     | tgl24            |
|                                             |                | rising                   | tgl25            |
|                                             |                | falling                  | tgl26            |
| six                                         | six            | flat                     | tgl28            |
|                                             |                | rising                   | tgl29            |
|                                             |                | falling                  | tgl30            |
| seven                                       | seven          | flat                     | tgl33            |
|                                             |                | rising                   | tgl34            |
|                                             |                | falling                  | tgl35            |
| eight                                       | eight          | flat                     | tgl36            |
|                                             |                | rising                   | tgl37            |
|                                             |                | falling                  | tgl38            |
| nine                                        | nine           | flat                     | tgl40            |
|                                             |                | rising                   | tgl41            |
|                                             |                | falling                  | tgl42            |
| ten                                         | ten            | flat                     | tgl56            |
|                                             |                | rising                   | tgl57            |
|                                             |                | falling                  | tgl58            |
| eleven                                      | eleven         | flat                     | tgl60            |
|                                             |                | rising                   | tgl61            |
|                                             |                | falling                  | tgl62            |
| twelve                                      | twelve         | flat                     | tgl64            |
|                                             |                | rising                   | tgl65            |
|                                             |                | falling                  | tgl66            |
| thirteen                                    | thirteen       | flat                     | tgl68            |
|                                             |                | rising                   | tgl69            |
|                                             |                | falling                  | tgl70            |

**Tagalog audio (Sheet 3 of 26)**

| <b>Tagalog phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| fourteen                                    | fourteen       | flat                     | tgl72            |
|                                             |                | rising                   | tgl73            |
|                                             |                | falling                  | tgl74            |
| fifteen                                     | fifteen        | flat                     | tgl76            |
|                                             |                | rising                   | tgl77            |
|                                             |                | falling                  | tgl78            |
| sixteen                                     | sixteen        | flat                     | tgl80            |
|                                             |                | rising                   | tgl81            |
|                                             |                | falling                  | tgl82            |
| seventeen                                   | seventeen      | flat                     | tgl84            |
|                                             |                | rising                   | tgl85            |
|                                             |                | falling                  | tgl86            |
| eighteen                                    | eighteen       | flat                     | tgl88            |
|                                             |                | rising                   | tgl89            |
|                                             |                | falling                  | tgl90            |
| nineteen                                    | nineteen       | flat                     | tgl92            |
|                                             |                | rising                   | tgl93            |
|                                             |                | falling                  | tgl94            |
| twenty                                      | twenty         | flat                     | tgl96            |
|                                             |                | rising                   | tgl97            |
|                                             |                | falling                  | tgl98            |
| thirty                                      | thirty         | flat                     | tgl100           |
|                                             |                | rising                   | tgl101           |
|                                             |                | falling                  | tgl102           |
| forty                                       | forty          | flat                     | tgl104           |
|                                             |                | rising                   | tgl105           |
|                                             |                | falling                  | tgl106           |

**Tagalog audio (Sheet 4 of 26)**

| <b>Tagalog phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| fifty                                       | fifty          | flat                     | tgl108           |
|                                             |                | rising                   | tgl109           |
|                                             |                | falling                  | tgl110           |
| sixty                                       | sixty          | flat                     | tgl112           |
|                                             |                | rising                   | tgl113           |
|                                             |                | falling                  | tgl114           |
| seventy                                     | seventy        | flat                     | tgl116           |
|                                             |                | rising                   | tgl117           |
|                                             |                | falling                  | tgl118           |
| eighty                                      | eighty         | flat                     | tgl120           |
|                                             |                | rising                   | tgl121           |
|                                             |                | falling                  | tgl122           |
| ninety                                      | ninety         | flat                     | tgl124           |
|                                             |                | rising                   | tgl125           |
|                                             |                | falling                  | tgl126           |
| hundred                                     | hundred        | flat                     | tgl132           |
|                                             |                | rising                   | tgl133           |
|                                             |                | falling                  | tgl134           |
| thousand                                    | thousand       | flat                     | tgl496           |
|                                             |                | rising                   | tgl497           |
|                                             |                | falling                  | tgl498           |
| million                                     | million        | flat                     | tgl500           |
|                                             |                | rising                   | tgl501           |
|                                             |                | falling                  | tgl502           |
| billion                                     | billion        | flat                     | tgl504           |
|                                             |                | rising                   | tgl505           |
|                                             |                | falling                  | tgl506           |

**Tagalog audio (Sheet 5 of 26)**

| <b>Tagalog phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| a                                           | a              | flat                     | tgl508           |
|                                             |                | rising                   | tgl509           |
|                                             |                | falling                  | tgl510           |
| b                                           | b              | flat                     | tgl512           |
|                                             |                | rising                   | tgl513           |
|                                             |                | falling                  | tgl514           |
| c                                           | c              | flat                     | tgl516           |
|                                             |                | rising                   | tgl517           |
|                                             |                | falling                  | tgl518           |
| d                                           | d              | flat                     | tgl520           |
|                                             |                | rising                   | tgl521           |
|                                             |                | falling                  | tgl522           |
| e                                           | e              | flat                     | tgl524           |
|                                             |                | rising                   | tgl525           |
|                                             |                | falling                  | tgl526           |
| f                                           | f              | flat                     | tgl528           |
|                                             |                | rising                   | tgl529           |
|                                             |                | falling                  | tgl530           |
| g                                           | g              | flat                     | tgl532           |
|                                             |                | rising                   | tgl533           |
|                                             |                | falling                  | tgl534           |
| h                                           | h              | flat                     | tgl536           |
|                                             |                | rising                   | tgl537           |
|                                             |                | falling                  | tgl538           |
| i                                           | i              | flat                     | tgl540           |
|                                             |                | rising                   | tgl541           |
|                                             |                | falling                  | tgl542           |

**Tagalog audio (Sheet 6 of 26)**

| <b>Tagalog phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| j                                           | j              | flat                     | tgl544           |
|                                             |                | rising                   | tgl545           |
|                                             |                | falling                  | tgl546           |
| k                                           | k              | flat                     | tgl548           |
|                                             |                | rising                   | tgl549           |
|                                             |                | falling                  | tgl550           |
| l                                           | l              | flat                     | tgl552           |
|                                             |                | rising                   | tgl553           |
|                                             |                | falling                  | tgl554           |
| m                                           | m              | flat                     | tgl556           |
|                                             |                | rising                   | tgl557           |
|                                             |                | falling                  | tgl558           |
| n                                           | n              | flat                     | tgl560           |
|                                             |                | rising                   | tgl561           |
|                                             |                | falling                  | tgl562           |
| o                                           | o              | flat                     | tgl564           |
|                                             |                | rising                   | tgl565           |
|                                             |                | falling                  | tgl566           |
| p                                           | p              | flat                     | tgl568           |
|                                             |                | rising                   | tgl569           |
|                                             |                | falling                  | tgl570           |
| q                                           | q              | flat                     | tgl572           |
|                                             |                | rising                   | tgl573           |
|                                             |                | falling                  | tgl574           |
| r                                           | r              | flat                     | tgl576           |
|                                             |                | rising                   | tgl577           |
|                                             |                | falling                  | tgl578           |

**Tagalog audio (Sheet 7 of 26)**

| <b>Tagalog phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| s                                           | s              | flat                     | tgl580           |
|                                             |                | rising                   | tgl581           |
|                                             |                | falling                  | tgl582           |
| t                                           | t              | flat                     | tgl584           |
|                                             |                | rising                   | tgl585           |
|                                             |                | falling                  | tgl586           |
| u                                           | u              | flat                     | tgl588           |
|                                             |                | rising                   | tgl589           |
|                                             |                | falling                  | tgl590           |
| v                                           | v              | flat                     | tgl592           |
|                                             |                | rising                   | tgl593           |
|                                             |                | falling                  | tgl594           |
| w                                           | w              | flat                     | tgl596           |
|                                             |                | rising                   | tgl597           |
|                                             |                | falling                  | tgl598           |
| x                                           | x              | flat                     | tgl600           |
|                                             |                | rising                   | tgl601           |
|                                             |                | falling                  | tgl602           |
| y                                           | y              | flat                     | tgl604           |
|                                             |                | rising                   | tgl605           |
|                                             |                | falling                  | tgl606           |
| z                                           | z              | flat                     | tgl608           |
|                                             |                | rising                   | tgl609           |
|                                             |                | falling                  | tgl610           |
| negative                                    | negative       | flat                     | tgl616           |
|                                             |                | rising                   | tgl617           |
|                                             |                | falling                  | tgl618           |

**Tagalog audio (Sheet 8 of 26)**

| <b>Tagalog phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| at                                          | and            | flat                     | tgl620           |
|                                             |                | rising                   | tgl621           |
|                                             |                | falling                  | tgl622           |
| oras                                        | hour           | flat                     | tgl624           |
|                                             |                | rising                   | tgl625           |
|                                             |                | falling                  | tgl626           |
| minuto                                      | minute         | flat                     | tgl632           |
|                                             |                | rising                   | tgl633           |
|                                             |                | falling                  | tgl634           |
| segon                                       | second         | flat                     | tgl640           |
|                                             |                | rising                   | tgl641           |
|                                             |                | falling                  | tgl642           |
| enero                                       | January        | flat                     | tgl648           |
|                                             |                | rising                   | tgl649           |
|                                             |                | falling                  | tgl650           |
| febrero                                     | February       | flat                     | tgl652           |
|                                             |                | rising                   | tgl653           |
|                                             |                | falling                  | tgl654           |
| marso                                       | March          | flat                     | tgl656           |
|                                             |                | rising                   | tgl657           |
|                                             |                | falling                  | tgl658           |
| abril                                       | April          | flat                     | tgl660           |
|                                             |                | rising                   | tgl661           |
|                                             |                | falling                  | tgl662           |
| mayo                                        | May            | flat                     | tgl664           |
|                                             |                | rising                   | tgl665           |
|                                             |                | falling                  | tgl666           |

**Tagalog audio (Sheet 9 of 26)**

| <b>Tagalog phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| hunyo                                       | June           | flat                     | tgl668           |
|                                             |                | rising                   | tgl669           |
|                                             |                | falling                  | tgl670           |
| hulyo                                       | July           | flat                     | tgl672           |
|                                             |                | rising                   | tgl673           |
|                                             |                | falling                  | tgl674           |
| agusto                                      | August         | flat                     | tgl676           |
|                                             |                | rising                   | tgl677           |
|                                             |                | falling                  | tgl678           |
| setyembre                                   | September      | flat                     | tgl680           |
|                                             |                | rising                   | tgl681           |
|                                             |                | falling                  | tgl682           |
| oktober                                     | October        | flat                     | tgl684           |
|                                             |                | rising                   | tgl685           |
|                                             |                | falling                  | tgl686           |
| nobyembre                                   | November       | flat                     | tgl688           |
|                                             |                | rising                   | tgl689           |
|                                             |                | falling                  | tgl690           |
| disyember                                   | December       | flat                     | tgl692           |
|                                             |                | rising                   | tgl693           |
|                                             |                | falling                  | tgl694           |
| linggo                                      | Sunday         | flat                     | tgl696           |
|                                             |                | rising                   | tgl697           |
|                                             |                | falling                  | tgl698           |
| lunes                                       | Monday         | flat                     | tgl700           |
|                                             |                | rising                   | tgl701           |
|                                             |                | falling                  | tgl702           |



**Tagalog audio (Sheet 10 of 26)**

| <b>Tagalog phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| martes                                      | Tuesday        | flat                     | tgl704           |
|                                             |                | rising                   | tgl705           |
|                                             |                | falling                  | tgl706           |
| miyerkules                                  | Wednesday      | flat                     | tgl708           |
|                                             |                | rising                   | tgl709           |
|                                             |                | falling                  | tgl710           |
| huwebes                                     | Thursday       | flat                     | tgl712           |
|                                             |                | rising                   | tgl713           |
|                                             |                | falling                  | tgl714           |
| biyernes                                    | Friday         | flat                     | tgl716           |
|                                             |                | rising                   | tgl717           |
|                                             |                | falling                  | tgl718           |
| sabado                                      | Saturday       | flat                     | tgl720           |
|                                             |                | rising                   | tgl721           |
|                                             |                | falling                  | tgl722           |
| first                                       | first          | flat                     | tgl728           |
|                                             |                | rising                   | tgl729           |
|                                             |                | falling                  | tgl730           |
| second                                      | second         | flat                     | tgl732           |
|                                             |                | rising                   | tgl733           |
|                                             |                | falling                  | tgl734           |
| third                                       | third          | flat                     | tgl736           |
|                                             |                | rising                   | tgl737           |
|                                             |                | falling                  | tgl738           |
| fourth                                      | fourth         | flat                     | tgl740           |
|                                             |                | rising                   | tgl741           |
|                                             |                | falling                  | tgl742           |

**Tagalog audio (Sheet 11 of 26)**

| <b>Tagalog phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| fifth                                       | fifth          | flat                     | tgl744           |
|                                             |                | rising                   | tgl745           |
|                                             |                | falling                  | tgl746           |
| sixth                                       | sixth          | flat                     | tgl748           |
|                                             |                | rising                   | tgl749           |
|                                             |                | falling                  | tgl750           |
| seventh                                     | seventh        | flat                     | tgl752           |
|                                             |                | rising                   | tgl753           |
|                                             |                | falling                  | tgl754           |
| eighth                                      | eighth         | flat                     | tgl756           |
|                                             |                | rising                   | tgl757           |
|                                             |                | falling                  | tgl758           |
| ninth                                       | ninth          | flat                     | tgl760           |
|                                             |                | rising                   | tgl761           |
|                                             |                | falling                  | tgl762           |
| tenth                                       | tenth          | flat                     | tgl764           |
|                                             |                | rising                   | tgl765           |
|                                             |                | falling                  | tgl766           |
| eleventh                                    | eleventh       | flat                     | tgl768           |
|                                             |                | rising                   | tgl769           |
|                                             |                | falling                  | tgl770           |
| twelfth                                     | twelfth        | flat                     | tgl772           |
|                                             |                | rising                   | tgl773           |
|                                             |                | falling                  | tgl774           |
| thirteenth                                  | thirteenth     | flat                     | tgl776           |
|                                             |                | rising                   | tgl777           |
|                                             |                | falling                  | tgl778           |

**Tagalog audio (Sheet 12 of 26)**

| <b>Tagalog phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| fourteenth                                  | fourteenth     | flat                     | tgl780           |
|                                             |                | rising                   | tgl781           |
|                                             |                | falling                  | tgl782           |
| fifteenth                                   | fifteenth      | flat                     | tgl784           |
|                                             |                | rising                   | tgl785           |
|                                             |                | falling                  | tgl786           |
| sixteenth                                   | sixteenth      | flat                     | tgl788           |
|                                             |                | rising                   | tgl789           |
|                                             |                | falling                  | tgl790           |
| seventeenth                                 | seventeenth    | flat                     | tgl792           |
|                                             |                | rising                   | tgl793           |
|                                             |                | falling                  | tgl794           |
| eighteenth                                  | eighteenth     | flat                     | tgl796           |
|                                             |                | rising                   | tgl797           |
|                                             |                | falling                  | tgl798           |
| nineteenth                                  | nineteenth     | flat                     | tgl800           |
|                                             |                | rising                   | tgl801           |
|                                             |                | falling                  | tgl802           |
| twentieth                                   | twentieth      | flat                     | tgl804           |
|                                             |                | rising                   | tgl805           |
|                                             |                | falling                  | tgl806           |
| thirtieth                                   | thirtieth      | flat                     | tgl808           |
|                                             |                | rising                   | tgl809           |
|                                             |                | falling                  | tgl810           |
| fortieth                                    | fortieth       | flat                     | tgl812           |
|                                             |                | rising                   | tgl813           |
|                                             |                | falling                  | tgl814           |

**Tagalog audio (Sheet 13 of 26)**

| <b>Tagalog phrase or English equivalent</b> | <b>English</b>  | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-----------------|--------------------------|------------------|
| fiftieth                                    | fiftieth        | flat                     | tgl816           |
|                                             |                 | rising                   | tgl817           |
|                                             |                 | falling                  | tgl818           |
| sixtieth                                    | sixtieth        | flat                     | tgl820           |
|                                             |                 | rising                   | tgl821           |
|                                             |                 | falling                  | tgl822           |
| seventieth                                  | seventieth      | flat                     | tgl824           |
|                                             |                 | rising                   | tgl825           |
|                                             |                 | falling                  | tgl826           |
| eightieth                                   | eightieth       | flat                     | tgl828           |
|                                             |                 | rising                   | tgl829           |
|                                             |                 | falling                  | tgl830           |
| ninetieth                                   | ninetieth       | flat                     | tgl832           |
|                                             |                 | rising                   | tgl833           |
|                                             |                 | falling                  | tgl834           |
| one-hundredth                               | one-hundredth   | flat                     | tgl836           |
|                                             |                 | rising                   | tgl837           |
|                                             |                 | falling                  | tgl838           |
| two-hundredth                               | two-hundredth   | flat                     | tgl840           |
|                                             |                 | rising                   | tgl841           |
|                                             |                 | falling                  | tgl842           |
| three-hundredth                             | three-hundredth | flat                     | tgl844           |
|                                             |                 | rising                   | tgl845           |
|                                             |                 | falling                  | tgl846           |
| four-hundredth                              | four-hundredth  | flat                     | tgl848           |
|                                             |                 | rising                   | tgl849           |
|                                             |                 | falling                  | tgl850           |

**Tagalog audio (Sheet 14 of 26)**

| <b>Tagalog phrase or English equivalent</b> | <b>English</b>    | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-------------------|--------------------------|------------------|
| five-hundredth                              | five-hundredth    | flat                     | tgl852           |
|                                             |                   | rising                   | tgl853           |
|                                             |                   | falling                  | tgl854           |
| six-hundredth                               | six-hundredth     | flat                     | tgl856           |
|                                             |                   | rising                   | tgl857           |
|                                             |                   | falling                  | tgl858           |
| seven-hundredth                             | seven-hundredth   | flat                     | tgl860           |
|                                             |                   | rising                   | tgl861           |
|                                             |                   | falling                  | tgl862           |
| eight-hundredth                             | eight-hundredth   | flat                     | tgl864           |
|                                             |                   | rising                   | tgl865           |
|                                             |                   | falling                  | tgl866           |
| nine-hundredth                              | nine-hundredth    | flat                     | tgl868           |
|                                             |                   | rising                   | tgl869           |
|                                             |                   | falling                  | tgl870           |
| thousandth                                  | thousandth        | flat                     | tgl872           |
|                                             |                   | rising                   | tgl873           |
|                                             |                   | falling                  | tgl874           |
| millionth                                   | millionth         | flat                     | tgl880           |
|                                             |                   | rising                   | tgl881           |
|                                             |                   | falling                  | tgl882           |
| billionth                                   | billionth         | flat                     | tgl888           |
|                                             |                   | rising                   | tgl889           |
|                                             |                   | falling                  | tgl890           |
| bilang o numero                             | pound sign<br>(#) | flat                     | tgl896           |
|                                             |                   | rising                   | tgl897           |
|                                             |                   | falling                  | tgl898           |

**Tagalog audio (Sheet 15 of 26)**

| <b>Tagalog phrase or English equivalent</b> | <b>English</b>  | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-----------------|--------------------------|------------------|
| asteris                                     | asterisk<br>(*) | flat                     | tgl900           |
|                                             |                 | rising                   | tgl901           |
|                                             |                 | falling                  | tgl902           |
| umaga                                       | a.m.            | flat                     | tgl908           |
|                                             |                 | rising                   | tgl909           |
|                                             |                 | falling                  | tgl910           |
| hapon                                       | p.m.            | flat                     | tgl912           |
|                                             |                 | rising                   | tgl913           |
|                                             |                 | falling                  | tgl914           |
| sero                                        | zero            | flat                     | tgl920           |
|                                             |                 | rising                   | tgl921           |
|                                             |                 | falling                  | tgl922           |
| isa                                         | one             | flat                     | tgl924           |
|                                             |                 | rising                   | tgl925           |
|                                             |                 | falling                  | tgl926           |
| dalawa                                      | two             | flat                     | tgl928           |
|                                             |                 | rising                   | tgl929           |
|                                             |                 | falling                  | tgl930           |
| tatlo                                       | three           | flat                     | tgl932           |
|                                             |                 | rising                   | tgl933           |
|                                             |                 | falling                  | tgl934           |
| apat                                        | four            | flat                     | tgl936           |
|                                             |                 | rising                   | tgl937           |
|                                             |                 | falling                  | tgl938           |
| lima                                        | five            | flat                     | tgl940           |
|                                             |                 | rising                   | tgl941           |
|                                             |                 | falling                  | tgl942           |

**Tagalog audio (Sheet 16 of 26)**

| <b>Tagalog phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| anim                                        | six            | flat                     | tgl944           |
|                                             |                | rising                   | tgl945           |
|                                             |                | falling                  | tgl946           |
| pito                                        | seven          | flat                     | tgl948           |
|                                             |                | rising                   | tgl949           |
|                                             |                | falling                  | tgl950           |
| walo                                        | eight          | flat                     | tgl952           |
|                                             |                | rising                   | tgl953           |
|                                             |                | falling                  | tgl954           |
| siyam                                       | nine           | flat                     | tgl956           |
|                                             |                | rising                   | tgl957           |
|                                             |                | falling                  | tgl958           |
| sampu                                       | ten            | flat                     | tgl960           |
|                                             |                | rising                   | tgl961           |
|                                             |                | falling                  | tgl962           |
| dalawanpu                                   | twenty         | flat                     | tgl964           |
|                                             |                | rising                   | tgl965           |
|                                             |                | falling                  | tgl966           |
| tatlumpu                                    | thirty         | flat                     | tgl968           |
|                                             |                | rising                   | tgl969           |
|                                             |                | falling                  | tgl970           |
| apatnapu                                    | forty          | flat                     | tgl972           |
|                                             |                | rising                   | tgl973           |
|                                             |                | falling                  | tgl974           |
| limanpu                                     | fifty          | flat                     | tgl976           |
|                                             |                | rising                   | tgl977           |
|                                             |                | falling                  | tgl978           |

**Tagalog audio (Sheet 17 of 26)**

| <b>Tagalog phrase or English equivalent</b> | <b>English</b>          | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-------------------------|--------------------------|------------------|
| animnapu                                    | sixty                   | flat                     | tgl980           |
|                                             |                         | rising                   | tgl981           |
|                                             |                         | falling                  | tgl982           |
| pitumpu                                     | seventy                 | flat                     | tgl984           |
|                                             |                         | rising                   | tgl985           |
|                                             |                         | falling                  | tgl986           |
| walumpu                                     | eighty                  | flat                     | tgl988           |
|                                             |                         | rising                   | tgl989           |
|                                             |                         | falling                  | tgl990           |
| siyamnapu                                   | ninety                  | flat                     | tgl992           |
|                                             |                         | rising                   | tgl993           |
|                                             |                         | falling                  | tgl994           |
| dalawanpu't                                 | twenty (used with ones) | flat                     | tgl996           |
|                                             |                         | rising                   | tgl997           |
|                                             |                         | falling                  | tgl998           |
| tatlumpu't                                  | thirty (used with ones) | flat                     | tgl1000          |
|                                             |                         | rising                   | tgl1001          |
|                                             |                         | falling                  | tgl1002          |
| apatnapu't                                  | forty (used with ones)  | flat                     | tgl1004          |
|                                             |                         | rising                   | tgl1005          |
|                                             |                         | falling                  | tgl1006          |
| limanpu't                                   | fifty (used with ones)  | flat                     | tgl1008          |
|                                             |                         | rising                   | tgl1009          |
|                                             |                         | falling                  | tgl1010          |
| animnapu't                                  | sixty (used with ones)  | flat                     | tgl1012          |
|                                             |                         | rising                   | tgl1013          |
|                                             |                         | falling                  | tgl1014          |



**Tagalog audio (Sheet 18 of 26)**

| <b>Tagalog phrase or English equivalent</b> | <b>English</b>           | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|--------------------------|--------------------------|------------------|
| pitumpu't                                   | seventy (used with ones) | flat                     | tgl1016          |
|                                             |                          | rising                   | tgl1017          |
|                                             |                          | falling                  | tgl1018          |
| walumpu't                                   | eighty (used with ones)  | flat                     | tgl1020          |
|                                             |                          | rising                   | tgl1021          |
|                                             |                          | falling                  | tgl1022          |
| siyamnapu't                                 | ninety (used with ones)  | flat                     | tgl1024          |
|                                             |                          | rising                   | tgl1025          |
|                                             |                          | falling                  | tgl1026          |
| daan                                        | hundred                  | flat                     | tgl1028          |
|                                             |                          | rising                   | tgl1029          |
|                                             |                          | falling                  | tgl1030          |
| raan                                        | hundred                  | flat                     | tgl1032          |
|                                             |                          | rising                   | tgl1033          |
|                                             |                          | falling                  | tgl1034          |
| libo                                        | thousand                 | flat                     | tgl1036          |
|                                             |                          | rising                   | tgl1037          |
|                                             |                          | falling                  | tgl1038          |
| milyon                                      | million                  | flat                     | tgl1040          |
|                                             |                          | rising                   | tgl1041          |
|                                             |                          | falling                  | tgl1042          |
| bilyon                                      | billion                  | flat                     | tgl1044          |
|                                             |                          | rising                   | tgl1045          |
|                                             |                          | falling                  | tgl1046          |
| isang                                       | one (adjective)          | flat                     | tgl1048          |
|                                             |                          | rising                   | tgl1049          |
|                                             |                          | falling                  | tgl1050          |

**Tagalog audio (Sheet 19 of 26)**

| <b>Tagalog phrase or English equivalent</b> | <b>English</b>    | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-------------------|--------------------------|------------------|
| dalawang                                    | two (adjective)   | flat                     | tgl1052          |
|                                             |                   | rising                   | tgl1053          |
|                                             |                   | falling                  | tgl1054          |
| tatlong                                     | three (adjective) | flat                     | tgl1056          |
|                                             |                   | rising                   | tgl1057          |
|                                             |                   | falling                  | tgl1058          |
| apatna                                      | four (adjective)  | flat                     | tgl1060          |
|                                             |                   | rising                   | tgl1061          |
|                                             |                   | falling                  | tgl1062          |
| limang                                      | five (adjective)  | flat                     | tgl1064          |
|                                             |                   | rising                   | tgl1065          |
|                                             |                   | falling                  | tgl1066          |
| animna                                      | six (adjective)   | flat                     | tgl1068          |
|                                             |                   | rising                   | tgl1069          |
|                                             |                   | falling                  | tgl1070          |
| pitong                                      | seven (adjective) | flat                     | tgl1072          |
|                                             |                   | rising                   | tgl1073          |
|                                             |                   | falling                  | tgl1074          |
| walong                                      | eight (adjective) | flat                     | tgl1076          |
|                                             |                   | rising                   | tgl1077          |
|                                             |                   | falling                  | tgl1078          |
| siyamna                                     | nine (adjective)  | flat                     | tgl1080          |
|                                             |                   | rising                   | tgl1081          |
|                                             |                   | falling                  | tgl1082          |
| sampung                                     | ten (adjective)   | flat                     | tgl1084          |
|                                             |                   | rising                   | tgl1085          |
|                                             |                   | falling                  | tgl1086          |

**Tagalog audio (Sheet 20 of 26)**

| <b>Tagalog phrase or English equivalent</b> | <b>English</b>      | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|---------------------|--------------------------|------------------|
| dalawanpung                                 | twenty (adjective)  | flat                     | tgl1088          |
|                                             |                     | rising                   | tgl1089          |
|                                             |                     | falling                  | tgl1090          |
| tatlumpung                                  | thirty (adjective)  | flat                     | tgl1092          |
|                                             |                     | rising                   | tgl1093          |
|                                             |                     | falling                  | tgl1094          |
| apatnapung                                  | forty (adjective)   | flat                     | tgl1096          |
|                                             |                     | rising                   | tgl1097          |
|                                             |                     | falling                  | tgl1098          |
| limampung                                   | fifty (adjective)   | flat                     | tgl1100          |
|                                             |                     | rising                   | tgl1101          |
|                                             |                     | falling                  | tgl1102          |
| animnapung                                  | sixty (adjective)   | flat                     | tgl1104          |
|                                             |                     | rising                   | tgl1105          |
|                                             |                     | falling                  | tgl1106          |
| pitumpung                                   | seventy (adjective) | flat                     | tgl1108          |
|                                             |                     | rising                   | tgl1109          |
|                                             |                     | falling                  | tgl1110          |
| walumpung                                   | eighty (adjective)  | flat                     | tgl1112          |
|                                             |                     | rising                   | tgl1113          |
|                                             |                     | falling                  | tgl1114          |
| siyamnapung                                 | ninety (adjective)  | flat                     | tgl1116          |
|                                             |                     | rising                   | tgl1117          |
|                                             |                     | falling                  | tgl1118          |
| daang                                       | hundred (adjective) | flat                     | tgl1120          |
|                                             |                     | rising                   | tgl1121          |
|                                             |                     | falling                  | tgl1122          |

**Tagalog audio (Sheet 21 of 26)**

| <b>Tagalog phrase or English equivalent</b> | <b>English</b>                                      | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-----------------------------------------------------|--------------------------|------------------|
| raang                                       | hundred (adjective)                                 | flat                     | tgl1124          |
|                                             |                                                     | rising                   | tgl1125          |
|                                             |                                                     | falling                  | tgl1126          |
| libong                                      | thousand (adjective)                                | flat                     | tgl1128          |
|                                             |                                                     | rising                   | tgl1129          |
|                                             |                                                     | falling                  | tgl1130          |
| milyong                                     | million (adjective)                                 | flat                     | tgl1132          |
|                                             |                                                     | rising                   | tgl1133          |
|                                             |                                                     | falling                  | tgl1134          |
| bilyong                                     | billion (adjective)                                 | flat                     | tgl1136          |
|                                             |                                                     | rising                   | tgl1137          |
|                                             |                                                     | falling                  | tgl1138          |
| labing                                      | -teen (used with numbers starting with a vowel)     | flat                     | tgl1140          |
|                                             |                                                     | rising                   | tgl1141          |
|                                             |                                                     | falling                  | tgl1142          |
| labin                                       | -teen (used with numbers starting with a consonant) | flat                     | tgl1144          |
|                                             |                                                     | rising                   | tgl1145          |
|                                             |                                                     | falling                  | tgl1146          |
| una                                         | first                                               | flat                     | tgl1148          |
|                                             |                                                     | rising                   | tgl1149          |
|                                             |                                                     | falling                  | tgl1150          |
| ika                                         | rank                                                | flat                     | tgl1152          |
|                                             |                                                     | rising                   | tgl1153          |
|                                             |                                                     | falling                  | tgl1154          |
| medaling-araw                               | early morning (1 a.m. - 4 a.m.)                     | flat                     | tgl1156          |
|                                             |                                                     | rising                   | tgl1157          |
|                                             |                                                     | falling                  | tgl1158          |

**Tagalog audio (Sheet 22 of 26)**

| <b>Tagalog phrase or English equivalent</b> | <b>English</b>                | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-------------------------------|--------------------------|------------------|
| tanghali                                    | noon                          | flat                     | tgl1160          |
|                                             |                               | rising                   | tgl1161          |
|                                             |                               | falling                  | tgl1162          |
| gabi                                        | evening (6 p.m. - 11:59 p.m.) | flat                     | tgl1164          |
|                                             |                               | rising                   | tgl1165          |
|                                             |                               | falling                  | tgl1166          |
| hatinggabi                                  | midnight                      | flat                     | tgl1168          |
|                                             |                               | rising                   | tgl1169          |
|                                             |                               | falling                  | tgl1170          |
| ng                                          | of (used with time of day)    | flat                     | tgl1172          |
|                                             |                               | rising                   | tgl1173          |
|                                             |                               | falling                  | tgl1174          |
| dollar                                      | dollar<br>(US)                | flat                     | tgl1200          |
|                                             |                               | rising                   | tgl1201          |
|                                             |                               | falling                  | tgl1202          |
| cent                                        | cent<br>(US)                  | flat                     | tgl1208          |
|                                             |                               | rising                   | tgl1209          |
|                                             |                               | falling                  | tgl1210          |
| mark                                        | mark<br>(Germany)             | flat                     | tgl1216          |
|                                             |                               | rising                   | tgl1217          |
|                                             |                               | falling                  | tgl1218          |
| pfennig                                     | pfennig<br>(Germany)          | flat                     | tgl1224          |
|                                             |                               | rising                   | tgl1225          |
|                                             |                               | falling                  | tgl1226          |
| yen                                         | yen<br>(Japan)                | flat                     | tgl1232          |
|                                             |                               | rising                   | tgl1233          |
|                                             |                               | falling                  | tgl1234          |

**Tagalog audio (Sheet 23 of 26)**

| <b>Tagalog phrase or English equivalent</b> | <b>English</b>           | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|--------------------------|--------------------------|------------------|
| lira                                        | lira<br>(Italy)          | flat                     | tgl1240          |
|                                             |                          | rising                   | tgl1241          |
|                                             |                          | falling                  | tgl1242          |
| guilder                                     | guilder<br>(Netherlands) | flat                     | tgl1248          |
|                                             |                          | rising                   | tgl1249          |
|                                             |                          | falling                  | tgl1250          |
| cent                                        | cent<br>(Netherlands)    | flat                     | tgl1256          |
|                                             |                          | rising                   | tgl1257          |
|                                             |                          | falling                  | tgl1258          |
| pound                                       | pound<br>(UK)            | flat                     | tgl1264          |
|                                             |                          | rising                   | tgl1265          |
|                                             |                          | falling                  | tgl1266          |
| pence                                       | pence<br>(UK)            | flat                     | tgl1276          |
|                                             |                          | rising                   | tgl1277          |
|                                             |                          | falling                  | tgl1278          |
| euro                                        | euro<br>(Europe)         | flat                     | tgl1280          |
|                                             |                          | rising                   | tgl1281          |
|                                             |                          | falling                  | tgl1282          |
| eurocent                                    | eurocent<br>(Europe)     | flat                     | tgl1288          |
|                                             |                          | rising                   | tgl1289          |
|                                             |                          | falling                  | tgl1290          |
| franc                                       | franc<br>(France)        | flat                     | tgl1296          |
|                                             |                          | rising                   | tgl1297          |
|                                             |                          | falling                  | tgl1298          |
| centime                                     | centime<br>(France)      | flat                     | tgl1304          |
|                                             |                          | rising                   | tgl1305          |
|                                             |                          | falling                  | tgl1306          |

**Tagalog audio (Sheet 24 of 26)**

| <b>Tagalog phrase or English equivalent</b> | <b>English</b>           | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|--------------------------|--------------------------|------------------|
| peseta                                      | peseta<br>(Spain)        | flat                     | tgl1312          |
|                                             |                          | rising                   | tgl1313          |
|                                             |                          | falling                  | tgl1314          |
| peso                                        | peso<br>(Philippines)    | flat                     | tgl1328          |
|                                             |                          | rising                   | tgl1329          |
|                                             |                          | falling                  | tgl1330          |
| centavo                                     | centavo<br>(Philippines) | flat                     | tgl1336          |
|                                             |                          | rising                   | tgl1337          |
|                                             |                          | falling                  | tgl1338          |
| ringgit                                     | ringgit<br>(Malaysia)    | flat                     | tgl1344          |
|                                             |                          | rising                   | tgl1345          |
|                                             |                          | falling                  | tgl1346          |
| sen                                         | sen<br>(Malaysia)        | flat                     | tgl1352          |
|                                             |                          | rising                   | tgl1353          |
|                                             |                          | falling                  | tgl1354          |
| baht                                        | baht<br>(Thailand)       | flat                     | tgl1360          |
|                                             |                          | rising                   | tgl1361          |
|                                             |                          | falling                  | tgl1362          |
| satang                                      | satang<br>(Thailand)     | flat                     | tgl1368          |
|                                             |                          | rising                   | tgl1369          |
|                                             |                          | falling                  | tgl1370          |
| won                                         | won<br>(Korea)           | flat                     | tgl1376          |
|                                             |                          | rising                   | tgl1377          |
|                                             |                          | falling                  | tgl1378          |
| franc                                       | franc<br>(Belgium)       | flat                     | tgl1384          |
|                                             |                          | rising                   | tgl1385          |
|                                             |                          | falling                  | tgl1386          |

**Tagalog audio (Sheet 25 of 26)**

| <b>Tagalog phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-----------------------|--------------------------|------------------|
| centime                                     | centime<br>(Belgium)  | flat                     | tgl1392          |
|                                             |                       | rising                   | tgl1393          |
|                                             |                       | falling                  | tgl1394          |
| dollar                                      | dollar<br>(Canada)    | flat                     | tgl1400          |
|                                             |                       | rising                   | tgl1401          |
|                                             |                       | falling                  | tgl1402          |
| cent                                        | cent<br>(Canada)      | flat                     | tgl1408          |
|                                             |                       | rising                   | tgl1409          |
|                                             |                       | falling                  | tgl1410          |
| dollar                                      | dollar<br>(Hong Kong) | flat                     | tgl1416          |
|                                             |                       | rising                   | tgl1417          |
|                                             |                       | falling                  | tgl1418          |
| cent                                        | cent<br>(Hong Kong)   | flat                     | tgl1424          |
|                                             |                       | rising                   | tgl1425          |
|                                             |                       | falling                  | tgl1426          |
| gok                                         | gok<br>(Hong Kong)    | flat                     | tgl1488          |
|                                             |                       | rising                   | tgl1489          |
|                                             |                       | falling                  | tgl1490          |
| escudo                                      | escudo<br>(Portugal)  | flat                     | tgl1432          |
|                                             |                       | rising                   | tgl1433          |
|                                             |                       | falling                  | tgl1434          |
| centavo                                     | centavo<br>(Portugal) | flat                     | tgl1440          |
|                                             |                       | rising                   | tgl1441          |
|                                             |                       | falling                  | tgl1442          |
| yuan                                        | yuan<br>(China)       | flat                     | tgl1448          |
|                                             |                       | rising                   | tgl1449          |
|                                             |                       | falling                  | tgl1450          |



**Tagalog audio (Sheet 26 of 26)**

| <b>Tagalog phrase or English equivalent</b> | <b>English</b>     | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|--------------------|--------------------------|------------------|
| jiao                                        | jiao<br>(China)    | flat                     | tgl1456          |
|                                             |                    | rising                   | tgl1457          |
|                                             |                    | falling                  | tgl1458          |
| fen                                         | fen<br>(China)     | flat                     | tgl1464          |
|                                             |                    | rising                   | tgl1465          |
|                                             |                    | falling                  | tgl1466          |
| pound                                       | pound<br>(Ireland) | flat                     | tgl1472          |
|                                             |                    | rising                   | tgl1473          |
|                                             |                    | falling                  | tgl1474          |
| pence                                       | pence<br>(Ireland) | flat                     | tgl1484          |
|                                             |                    | rising                   | tgl1485          |
|                                             |                    | falling                  | tgl1486          |

## Thai audio files

**Note 1:** Use audio file names, tha508–tha610 for the multilanguage strings functionality. Recording of this audio is optional and the content of the recording can be any word. This audio is only required when the string functionality is used.

**Note 2:** Audio file names, tha132–tha166 are used for reading DNS that contain even-numbered “hundred” numbers: 100; 200; 300; 400; 500; 600; 700; 800; 900. These audio file names are also used for playing “hundred” numbers in both cardinal and ordinal forms.

**Note 3:** Only record audio filenames tha1200–tha1486 if you provision audio for this currency.

**Note 4:** Audio file names, tha908-tha914 and tha948-tha970 are used when time needs to be played in 12-hour format.

### Thai audio (Sheet 1 of 15)

| Thai phrase or English equivalent | English | Phrase intonation | File name |
|-----------------------------------|---------|-------------------|-----------|
| soon                              | zero    | flat              | tha0      |
|                                   |         | rising            | tha1      |
|                                   |         | falling           | tha2      |
| neung                             | one     | flat              | tha8      |
|                                   |         | rising            | tha9      |
|                                   |         | falling           | tha10     |
| sawng                             | two     | flat              | tha12     |
|                                   |         | rising            | tha13     |
|                                   |         | falling           | tha14     |
| saam                              | three   | flat              | tha16     |
|                                   |         | rising            | tha17     |
|                                   |         | falling           | tha18     |
| see                               | four    | flat              | tha20     |
|                                   |         | rising            | tha21     |
|                                   |         | falling           | tha22     |

**Thai audio (Sheet 2 of 15)**

| Thai phrase or English equivalent | English     | Phrase intonation | File name |
|-----------------------------------|-------------|-------------------|-----------|
| haa                               | five        | flat              | tha24     |
|                                   |             | rising            | tha25     |
|                                   |             | falling           | tha26     |
| hok                               | six         | flat              | tha28     |
|                                   |             | rising            | tha29     |
|                                   |             | falling           | tha30     |
| jet                               | seven       | flat              | tha33     |
|                                   |             | rising            | tha34     |
|                                   |             | falling           | tha35     |
| paet                              | eight       | flat              | tha36     |
|                                   |             | rising            | tha37     |
|                                   |             | falling           | tha38     |
| kao                               | nine        | flat              | tha40     |
|                                   |             | rising            | tha41     |
|                                   |             | falling           | tha42     |
| sip                               | ten         | flat              | tha56     |
|                                   |             | rising            | tha57     |
|                                   |             | falling           | tha58     |
| yee sip                           | twenty      | flat              | tha96     |
|                                   |             | rising            | tha97     |
|                                   |             | falling           | tha98     |
| neung rawy                        | hundred     | flat              | tha132    |
|                                   |             | rising            | tha133    |
|                                   |             | falling           | tha134    |
| sawng rawy                        | two-hundred | flat              | tha136    |
|                                   |             | rising            | tha137    |
|                                   |             | falling           | tha138    |

**Thai audio (Sheet 3 of 15)**

| Thai phrase or English equivalent | English       | Phrase intonation | File name |
|-----------------------------------|---------------|-------------------|-----------|
| saam rawy                         | three-hundred | flat              | tha140    |
|                                   |               | rising            | tha141    |
|                                   |               | falling           | tha142    |
| see rawy                          | four-hundred  | flat              | tha144    |
|                                   |               | rising            | tha145    |
|                                   |               | falling           | tha146    |
| haa rawy                          | five-hundred  | flat              | tha148    |
|                                   |               | rising            | tha149    |
|                                   |               | falling           | tha150    |
| hok rawy                          | six-hundred   | flat              | tha152    |
|                                   |               | rising            | tha153    |
|                                   |               | falling           | tha154    |
| jet rawy                          | seven-hundred | flat              | tha156    |
|                                   |               | rising            | tha157    |
|                                   |               | falling           | tha158    |
| paet rawy                         | eight-hundred | flat              | tha160    |
|                                   |               | rising            | tha161    |
|                                   |               | falling           | tha162    |
| kao rawy                          | nine-hundred  | flat              | tha164    |
|                                   |               | rising            | tha165    |
|                                   |               | falling           | tha166    |
| phan                              | thousand      | flat              | tha496    |
|                                   |               | rising            | tha497    |
|                                   |               | falling           | tha498    |
| laan                              | million       | flat              | tha500    |
|                                   |               | rising            | tha501    |
|                                   |               | falling           | tha502    |

**Thai audio (Sheet 4 of 15)**

| Thai phrase or English equivalent | English | Phrase intonation | File name |
|-----------------------------------|---------|-------------------|-----------|
| a                                 | a       | flat              | tha508    |
|                                   |         | rising            | tha509    |
|                                   |         | falling           | tha510    |
| b                                 | b       | flat              | tha512    |
|                                   |         | rising            | tha513    |
|                                   |         | falling           | tha514    |
| c                                 | c       | flat              | tha516    |
|                                   |         | rising            | tha517    |
|                                   |         | falling           | tha518    |
| d                                 | d       | flat              | tha520    |
|                                   |         | rising            | tha521    |
|                                   |         | falling           | tha522    |
| e                                 | e       | flat              | tha524    |
|                                   |         | rising            | tha525    |
|                                   |         | falling           | tha526    |
| f                                 | f       | flat              | tha528    |
|                                   |         | rising            | tha529    |
|                                   |         | falling           | tha530    |
| g                                 | g       | flat              | tha532    |
|                                   |         | rising            | tha533    |
|                                   |         | falling           | tha534    |
| h                                 | h       | flat              | tha536    |
|                                   |         | rising            | tha537    |
|                                   |         | falling           | tha538    |
| i                                 | i       | flat              | tha540    |
|                                   |         | rising            | tha541    |
|                                   |         | falling           | tha542    |

**Thai audio (Sheet 5 of 15)**

| Thai phrase or English equivalent | English | Phrase intonation | File name |
|-----------------------------------|---------|-------------------|-----------|
| j                                 | j       | flat              | tha544    |
|                                   |         | rising            | tha545    |
|                                   |         | falling           | tha546    |
| k                                 | k       | flat              | tha548    |
|                                   |         | rising            | tha549    |
|                                   |         | falling           | tha550    |
| l                                 | l       | flat              | tha552    |
|                                   |         | rising            | tha553    |
|                                   |         | falling           | tha554    |
| m                                 | m       | flat              | tha556    |
|                                   |         | rising            | tha557    |
|                                   |         | falling           | tha558    |
| n                                 | n       | flat              | tha560    |
|                                   |         | rising            | tha561    |
|                                   |         | falling           | tha562    |
| o                                 | o       | flat              | tha564    |
|                                   |         | rising            | tha565    |
|                                   |         | falling           | tha566    |
| p                                 | p       | flat              | tha568    |
|                                   |         | rising            | tha569    |
|                                   |         | falling           | tha570    |
| q                                 | q       | flat              | tha572    |
|                                   |         | rising            | tha573    |
|                                   |         | falling           | tha574    |
| r                                 | r       | flat              | tha576    |
|                                   |         | rising            | tha577    |
|                                   |         | falling           | tha578    |

**Thai audio (Sheet 6 of 15)**

| Thai phrase or English equivalent | English  | Phrase intonation | File name |
|-----------------------------------|----------|-------------------|-----------|
| s                                 | s        | flat              | tha580    |
|                                   |          | rising            | tha581    |
|                                   |          | falling           | tha582    |
| t                                 | t        | flat              | tha584    |
|                                   |          | rising            | tha585    |
|                                   |          | falling           | tha586    |
| u                                 | u        | flat              | tha588    |
|                                   |          | rising            | tha589    |
|                                   |          | falling           | tha590    |
| v                                 | v        | flat              | tha592    |
|                                   |          | rising            | tha593    |
|                                   |          | falling           | tha594    |
| w                                 | w        | flat              | tha596    |
|                                   |          | rising            | tha597    |
|                                   |          | falling           | tha598    |
| x                                 | x        | flat              | tha600    |
|                                   |          | rising            | tha601    |
|                                   |          | falling           | tha602    |
| y                                 | y        | flat              | tha604    |
|                                   |          | rising            | tha605    |
|                                   |          | falling           | tha606    |
| z                                 | z        | flat              | tha608    |
|                                   |          | rising            | tha609    |
|                                   |          | falling           | tha610    |
| lob                               | negative | flat              | tha616    |
|                                   |          | rising            | tha617    |
|                                   |          | falling           | tha618    |

**Thai audio (Sheet 7 of 15)**

| Thai phrase or English equivalent | English  | Phrase intonation | File name |
|-----------------------------------|----------|-------------------|-----------|
| lae                               | and      | flat              | tha620    |
|                                   |          | rising            | tha621    |
|                                   |          | falling           | tha622    |
| chua mong                         | hour     | flat              | tha624    |
|                                   |          | rising            | tha625    |
|                                   |          | falling           | tha626    |
| naa tee                           | minute   | flat              | tha632    |
|                                   |          | rising            | tha633    |
|                                   |          | falling           | tha634    |
| wi naa tee                        | second   | flat              | tha640    |
|                                   |          | rising            | tha641    |
|                                   |          | falling           | tha642    |
| deuan ma ka raa khom              | January  | flat              | tha648    |
|                                   |          | rising            | tha649    |
|                                   |          | falling           | tha650    |
| deuan koom phaa phao              | February | flat              | tha652    |
|                                   |          | rising            | tha653    |
|                                   |          | falling           | tha654    |
| deuan mee naa khom                | March    | flat              | tha656    |
|                                   |          | rising            | tha657    |
|                                   |          | falling           | tha658    |
| deuan meh saa yon                 | April    | flat              | tha660    |
|                                   |          | rising            | tha661    |
|                                   |          | falling           | tha662    |
| deuan phreut sa phaa khom         | May      | flat              | tha664    |
|                                   |          | rising            | tha665    |
|                                   |          | falling           | tha666    |



**Thai audio (Sheet 8 of 15)**

| Thai phrase or English equivalent | English   | Phrase intonation | File name |
|-----------------------------------|-----------|-------------------|-----------|
| deuan mi thu naa yon              | June      | flat              | tha668    |
|                                   |           | rising            | tha669    |
|                                   |           | falling           | tha670    |
| deuan ka ra ka daa khom           | July      | flat              | tha672    |
|                                   |           | rising            | tha673    |
|                                   |           | falling           | tha674    |
| deuan sing haa khom               | August    | flat              | tha676    |
|                                   |           | rising            | tha677    |
|                                   |           | falling           | tha678    |
| deuan kan yaa yon                 | September | flat              | tha680    |
|                                   |           | rising            | tha681    |
|                                   |           | falling           | tha682    |
| deuan tu laa khom                 | October   | flat              | tha684    |
|                                   |           | rising            | tha685    |
|                                   |           | falling           | tha686    |
| deuan phueut sa ji kaa yon        | November  | flat              | tha688    |
|                                   |           | rising            | tha689    |
|                                   |           | falling           | tha690    |
| deuan thana waa khom              | December  | flat              | tha692    |
|                                   |           | rising            | tha693    |
|                                   |           | falling           | tha694    |
| wan aathit                        | Sunday    | flat              | tha696    |
|                                   |           | rising            | tha697    |
|                                   |           | falling           | tha698    |
| wan jan                           | Monday    | flat              | tha700    |
|                                   |           | rising            | tha701    |
|                                   |           | falling           | tha702    |

**Thai audio (Sheet 9 of 15)**

| <b>Thai phrase or English equivalent</b> | <b>English</b>    | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------|-------------------|--------------------------|------------------|
| wan ang karn                             | Tuesday           | flat                     | tha704           |
|                                          |                   | rising                   | tha705           |
|                                          |                   | falling                  | tha706           |
| wan phut                                 | Wednesday         | flat                     | tha708           |
|                                          |                   | rising                   | tha709           |
|                                          |                   | falling                  | tha710           |
| wan phreu hat sa hoh dee                 | Thursday          | flat                     | tha712           |
|                                          |                   | rising                   | tha713           |
|                                          |                   | falling                  | tha714           |
| wan sook/suk                             | Friday            | flat                     | tha716           |
|                                          |                   | rising                   | tha717           |
|                                          |                   | falling                  | tha718           |
| wan sao                                  | Saturday          | flat                     | tha720           |
|                                          |                   | rising                   | tha721           |
|                                          |                   | falling                  | tha722           |
| khreung mai lek tee                      | pound sign<br>(#) | flat                     | tha896           |
|                                          |                   | rising                   | tha897           |
|                                          |                   | falling                  | tha898           |
| khreung mai dog chan                     | asterisk<br>(*)   | flat                     | tha900           |
|                                          |                   | rising                   | tha901           |
|                                          |                   | falling                  | tha902           |
| mohng chow                               | a.m.              | flat                     | tha908           |
|                                          |                   | rising                   | tha909           |
|                                          |                   | falling                  | tha910           |
| toom                                     | p.m.              | flat                     | tha912           |
|                                          |                   | rising                   | tha913           |
|                                          |                   | falling                  | tha914           |

**Thai audio (Sheet 10 of 15)**

| Thai phrase or English equivalent | English                                          | Phrase intonation | File name |
|-----------------------------------|--------------------------------------------------|-------------------|-----------|
| et                                | one (used with eleven, twenty-one)               | flat              | tha920    |
|                                   |                                                  | rising            | tha921    |
|                                   |                                                  | falling           | tha922    |
| tee                               | rank (used with first, second)                   | flat              | tha924    |
|                                   |                                                  | rising            | tha925    |
|                                   |                                                  | falling           | tha926    |
| pho so                            | B.C. (represents Buddhist year system, for date) | flat              | tha928    |
|                                   |                                                  | rising            | tha929    |
|                                   |                                                  | falling           | tha930    |
| meun                              | ten-thousand                                     | flat              | tha932    |
|                                   |                                                  | rising            | tha933    |
|                                   |                                                  | falling           | tha934    |
| saen                              | hundred-thousand                                 | flat              | tha936    |
|                                   |                                                  | rising            | tha937    |
|                                   |                                                  | falling           | tha938    |
| naa li kaa                        | o'clock                                          | flat              | tha940    |
|                                   |                                                  | rising            | tha941    |
|                                   |                                                  | falling           | tha942    |
| wan                               | day                                              | flat              | tha944    |
|                                   |                                                  | rising            | tha945    |
|                                   |                                                  | falling           | tha946    |
| tiang kheun                       | midnight                                         | flat              | tha948    |
|                                   |                                                  | rising            | tha949    |
|                                   |                                                  | falling           | tha950    |
| tiang wan                         | noon                                             | flat              | tha952    |
|                                   |                                                  | rising            | tha953    |
|                                   |                                                  | falling           | tha954    |

**Thai audio (Sheet 11 of 15)**

| <b>Thai phrase or English equivalent</b> | <b>English</b>                               | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------|----------------------------------------------|--------------------------|------------------|
| dtee                                     | a.m. (early morning)                         | flat                     | tha956           |
|                                          |                                              | rising                   | tha957           |
|                                          |                                              | falling                  | tha958           |
| bai                                      | afternoon (put before time, 1 p.m. - 4 p.m.) | flat                     | tha960           |
|                                          |                                              | rising                   | tha961           |
|                                          |                                              | falling                  | tha962           |
| mohng                                    | afternoon (put after time, 1 p.m. - 4 p.m.)  | flat                     | tha964           |
|                                          |                                              | rising                   | tha965           |
|                                          |                                              | falling                  | tha966           |
| mohng yen                                | evening (5 p.m. - 6 p.m.)                    | flat                     | tha968           |
|                                          |                                              | rising                   | tha969           |
|                                          |                                              | falling                  | tha970           |
| dollar                                   | dollar<br>(US)                               | flat                     | tha1200          |
|                                          |                                              | rising                   | tha1201          |
|                                          |                                              | falling                  | tha1202          |
| cent                                     | cent<br>(US)                                 | flat                     | tha1208          |
|                                          |                                              | rising                   | tha1209          |
|                                          |                                              | falling                  | tha1210          |
| mark                                     | mark<br>(Germany)                            | flat                     | tha1216          |
|                                          |                                              | rising                   | tha1217          |
|                                          |                                              | falling                  | tha1218          |
| pfennig                                  | pfennig<br>(Germany)                         | flat                     | tha1224          |
|                                          |                                              | rising                   | tha1225          |
|                                          |                                              | falling                  | tha1226          |
| yen                                      | yen<br>(Japan)                               | flat                     | tha1232          |
|                                          |                                              | rising                   | tha1233          |
|                                          |                                              | falling                  | tha1234          |

**Thai audio (Sheet 12 of 15)**

| <b>Thai phrase or English equivalent</b> | <b>English</b>           | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------|--------------------------|--------------------------|------------------|
| lira                                     | lira<br>(Italy)          | flat                     | tha1240          |
|                                          |                          | rising                   | tha1241          |
|                                          |                          | falling                  | tha1242          |
| guilder                                  | guilder<br>(Netherlands) | flat                     | tha1248          |
|                                          |                          | rising                   | tha1249          |
|                                          |                          | falling                  | tha1250          |
| cent                                     | cent<br>(Netherlands)    | flat                     | tha1256          |
|                                          |                          | rising                   | tha1257          |
|                                          |                          | falling                  | tha1258          |
| pound                                    | pound<br>(UK)            | flat                     | tha1264          |
|                                          |                          | rising                   | tha1265          |
|                                          |                          | falling                  | tha1266          |
| pence                                    | pence<br>(UK)            | flat                     | tha1276          |
|                                          |                          | rising                   | tha1277          |
|                                          |                          | falling                  | tha1278          |
| euro                                     | euro<br>(Europe)         | flat                     | tha1280          |
|                                          |                          | rising                   | tha1281          |
|                                          |                          | falling                  | tha1282          |
| eurocent                                 | eurocent<br>(Europe)     | flat                     | tha1288          |
|                                          |                          | rising                   | tha1289          |
|                                          |                          | falling                  | tha1290          |
| franc                                    | franc<br>(France)        | flat                     | tha1296          |
|                                          |                          | rising                   | tha1297          |
|                                          |                          | falling                  | tha1298          |
| centime                                  | centime<br>(France)      | flat                     | tha1304          |
|                                          |                          | rising                   | tha1305          |
|                                          |                          | falling                  | tha1306          |

**Thai audio (Sheet 13 of 15)**

| <b>Thai phrase or English equivalent</b> | <b>English</b>           | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------|--------------------------|--------------------------|------------------|
| peseta                                   | peseta<br>(Spain)        | flat                     | tha1312          |
|                                          |                          | rising                   | tha1313          |
|                                          |                          | falling                  | tha1314          |
| peso                                     | peso<br>(Philippines)    | flat                     | tha1328          |
|                                          |                          | rising                   | tha1329          |
|                                          |                          | falling                  | tha1330          |
| centavo                                  | centavo<br>(Philippines) | flat                     | tha1336          |
|                                          |                          | rising                   | tha1337          |
|                                          |                          | falling                  | tha1338          |
| ringgit                                  | ringgit<br>(Malaysia)    | flat                     | tha1344          |
|                                          |                          | rising                   | tha1345          |
|                                          |                          | falling                  | tha1346          |
| sen                                      | sen<br>(Malaysia)        | flat                     | tha1352          |
|                                          |                          | rising                   | tha1353          |
|                                          |                          | falling                  | tha1354          |
| baht                                     | baht<br>(Thailand)       | flat                     | tha1360          |
|                                          |                          | rising                   | tha1361          |
|                                          |                          | falling                  | tha1362          |
| satang                                   | satang<br>(Thailand)     | flat                     | tha1368          |
|                                          |                          | rising                   | tha1369          |
|                                          |                          | falling                  | tha1370          |
| won                                      | won<br>(Korea)           | flat                     | tha1376          |
|                                          |                          | rising                   | tha1377          |
|                                          |                          | falling                  | tha1378          |
| franc                                    | franc<br>(Belgium)       | flat                     | tha1384          |
|                                          |                          | rising                   | tha1385          |
|                                          |                          | falling                  | tha1386          |

**Thai audio (Sheet 14 of 15)**

| Thai phrase or English equivalent | English               | Phrase intonation | File name |
|-----------------------------------|-----------------------|-------------------|-----------|
| centime                           | centime<br>(Belgium)  | flat              | tha1392   |
|                                   |                       | rising            | tha1393   |
|                                   |                       | falling           | tha1394   |
| dollar                            | dollar<br>(Canada)    | flat              | tha1400   |
|                                   |                       | rising            | tha1401   |
|                                   |                       | falling           | tha1402   |
| cent                              | cent<br>(Canada)      | flat              | tha1408   |
|                                   |                       | rising            | tha1409   |
|                                   |                       | falling           | tha1410   |
| dollar                            | dollar<br>(Hong Kong) | flat              | tha1416   |
|                                   |                       | rising            | tha1417   |
|                                   |                       | falling           | tha1418   |
| cent                              | cent<br>(Hong Kong)   | flat              | tha1424   |
|                                   |                       | rising            | tha1425   |
|                                   |                       | falling           | tha1426   |
| gok                               | gok<br>(Hong Kong)    | flat              | tha1488   |
|                                   |                       | rising            | tha1489   |
|                                   |                       | falling           | tha1490   |
| escudo                            | escudo<br>(Portugal)  | flat              | tha1432   |
|                                   |                       | rising            | tha1433   |
|                                   |                       | falling           | tha1434   |
| centavo                           | centavo<br>(Portugal) | flat              | tha1440   |
|                                   |                       | rising            | tha1441   |
|                                   |                       | falling           | tha1442   |
| yuan                              | yuan<br>(China)       | flat              | tha1448   |
|                                   |                       | rising            | tha1449   |
|                                   |                       | falling           | tha1450   |

**Thai audio (Sheet 15 of 15)**

| <b>Thai phrase or English equivalent</b> | <b>English</b>     | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------|--------------------|--------------------------|------------------|
| jiao                                     | jiao<br>(China)    | flat                     | tha1456          |
|                                          |                    | rising                   | tha1457          |
|                                          |                    | falling                  | tha1458          |
| fen                                      | fen<br>(China)     | flat                     | tha1464          |
|                                          |                    | rising                   | tha1465          |
|                                          |                    | falling                  | tha1466          |
| pound                                    | pound<br>(Ireland) | flat                     | tha1472          |
|                                          |                    | rising                   | tha1473          |
|                                          |                    | falling                  | tha1474          |
| pence                                    | pence<br>(Ireland) | flat                     | tha1484          |
|                                          |                    | rising                   | tha1485          |
|                                          |                    | falling                  | tha1486          |



## Turkish audio files

**Note 1:** Only record audio file names tur1200-tur4066 if the user provisions audio files for this currency.

**Note 2:** Audio files names tur508-tur610 are used for strings functionality. Recording of this audio is optional and the content of the recording can be any word.

### Turkish audio (Sheet 1 of 17)

| Turkish phrase or English equivalent | English | Phrase intonation | File name |
|--------------------------------------|---------|-------------------|-----------|
| se-fer                               | zero    | flat              | tur0      |
|                                      |         | rising            | tur1      |
|                                      |         | falling           | tur2      |
| bir                                  | one     | flat              | tur8      |
|                                      |         | rising            | tur9      |
|                                      |         | falling           | tur10     |
| e-ke                                 | two     | flat              | tur12     |
|                                      |         | rising            | tur13     |
|                                      |         | falling           | tur14     |
| uuch                                 | three   | flat              | tur16     |
|                                      |         | rising            | tur17     |
|                                      |         | falling           | tur18     |
| deurt                                | four    | flat              | tur20     |
|                                      |         | rising            | tur21     |
|                                      |         | falling           | tur22     |
| bash                                 | five    | flat              | tur24     |
|                                      |         | rising            | tur25     |
|                                      |         | falling           | tur26     |

**Turkish audio (Sheet 2 of 17)**

| <b>Turkish phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| alte                                        | six            | flat                     | tur28            |
|                                             |                | rising                   | tur29            |
|                                             |                | falling                  | tur30            |
| yade                                        | seven          | flat                     | tur32            |
|                                             |                | rising                   | tur33            |
|                                             |                | falling                  | tur34            |
| sakez                                       | eight          | flat                     | tur36            |
|                                             |                | rising                   | tur37            |
|                                             |                | falling                  | tur38            |
| dokooz                                      | nine           | flat                     | tur40            |
|                                             |                | rising                   | tur41            |
|                                             |                | falling                  | tur42            |
| on                                          | ten            | flat                     | tur56            |
|                                             |                | rising                   | tur57            |
|                                             |                | falling                  | tur58            |
| yerme                                       | twenty         | flat                     | tur96            |
|                                             |                | rising                   | tur97            |
|                                             |                | falling                  | tur98            |
| o-too                                       | thirty         | flat                     | tur100           |
|                                             |                | rising                   | tur101           |
|                                             |                | falling                  | tur102           |
| kark                                        | forty          | flat                     | tur104           |
|                                             |                | rising                   | tur105           |
|                                             |                | falling                  | tur106           |
| alle                                        | fifty          | flat                     | tur108           |
|                                             |                | rising                   | tur109           |
|                                             |                | falling                  | tur110           |

**Turkish audio (Sheet 3 of 17)**

| <b>Turkish phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| altmash                                     | sixty          | flat                     | tur112           |
|                                             |                | rising                   | tur113           |
|                                             |                | falling                  | tur114           |
| yatmesh                                     | seventy        | flat                     | tur116           |
|                                             |                | rising                   | tur117           |
|                                             |                | falling                  | tur118           |
| saksan                                      | eighty         | flat                     | tur120           |
|                                             |                | rising                   | tur121           |
|                                             |                | falling                  | tur122           |
| dochsaan                                    | ninety         | flat                     | tur124           |
|                                             |                | rising                   | tur125           |
|                                             |                | falling                  | tur126           |
| yuuz                                        | hundred        | flat                     | tur128           |
|                                             |                | rising                   | tur133           |
|                                             |                | falling                  | tur134           |
| ben                                         | thousand       | flat                     | tur496           |
|                                             |                | rising                   | tur497           |
|                                             |                | falling                  | tur498           |
| melyon                                      | million        | flat                     | tur500           |
|                                             |                | rising                   | tur501           |
|                                             |                | falling                  | tur502           |
| melyar                                      | billion        | flat                     | tur504           |
|                                             |                | rising                   | tur505           |
|                                             |                | falling                  | tur506           |
| optional                                    | a              | flat                     | tur508           |
|                                             |                | rising                   | tur509           |
|                                             |                | falling                  | tur510           |

**Turkish audio (Sheet 4 of 17)**

| <b>Turkish phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| optional                                    | b              | flat                     | tur512           |
|                                             |                | rising                   | tur513           |
|                                             |                | falling                  | tur514           |
| optional                                    | c              | flat                     | tur516           |
|                                             |                | rising                   | tur517           |
|                                             |                | falling                  | tur518           |
| optional                                    | d              | flat                     | tur520           |
|                                             |                | rising                   | tur521           |
|                                             |                | falling                  | tur522           |
| optional                                    | e              | flat                     | tur524           |
|                                             |                | rising                   | tur525           |
|                                             |                | falling                  | tur526           |
| optional                                    | f              | flat                     | tur528           |
|                                             |                | rising                   | tur529           |
|                                             |                | falling                  | tur530           |
| optional                                    | g              | flat                     | tur532           |
|                                             |                | rising                   | tur533           |
|                                             |                | falling                  | tur534           |
| optional                                    | h              | flat                     | tur536           |
|                                             |                | rising                   | tur537           |
|                                             |                | falling                  | tur538           |
| optional                                    | i              | flat                     | tur540           |
|                                             |                | rising                   | tur541           |
|                                             |                | falling                  | tur542           |
| optional                                    | j              | flat                     | tur544           |
|                                             |                | rising                   | tur545           |
|                                             |                | falling                  | tur546           |

**Turkish audio (Sheet 5 of 17)**

| <b>Turkish phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| optional                                    | k              | flat                     | tur548           |
|                                             |                | rising                   | tur549           |
|                                             |                | falling                  | tur550           |
| optional                                    | l              | flat                     | tur552           |
|                                             |                | rising                   | tur553           |
|                                             |                | falling                  | tur554           |
| optional                                    | m              | flat                     | tur556           |
|                                             |                | rising                   | tur557           |
|                                             |                | falling                  | tur557           |
| optional                                    | n              | flat                     | tur560           |
|                                             |                | rising                   | tur561           |
|                                             |                | falling                  | tur562           |
| optional                                    | o              | flat                     | tur564           |
|                                             |                | rising                   | tur565           |
|                                             |                | falling                  | tur566           |
| optional                                    | p              | flat                     | tur568           |
|                                             |                | rising                   | tur569           |
|                                             |                | falling                  | tur570           |
| optional                                    | q              | flat                     | tur572           |
|                                             |                | rising                   | tur573           |
|                                             |                | falling                  | tur574           |
| optional                                    | r              | flat                     | tur576           |
|                                             |                | rising                   | tur577           |
|                                             |                | falling                  | tur578           |
| optional                                    | s              | flat                     | tur580           |
|                                             |                | rising                   | tur581           |
|                                             |                | falling                  | tur582           |

**Turkish audio (Sheet 6 of 17)**

| <b>Turkish phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| optional                                    | t              | flat                     | tur584           |
|                                             |                | rising                   | tur585           |
|                                             |                | falling                  | tur586           |
| optional                                    | u              | flat                     | tur588           |
|                                             |                | rising                   | tur5589          |
|                                             |                | falling                  | tur590           |
| optional                                    | v              | flat                     | tur592           |
|                                             |                | rising                   | tur593           |
|                                             |                | falling                  | tur594           |
| optional                                    | w              | flat                     | tur596           |
|                                             |                | rising                   | tur597           |
|                                             |                | falling                  | tur598           |
| optional                                    | x              | flat                     | tur600           |
|                                             |                | rising                   | tur601           |
|                                             |                | falling                  | tur602           |
| optional                                    | y              | flat                     | tur604           |
|                                             |                | rising                   | tur605           |
|                                             |                | falling                  | tur606           |
| optional                                    | z              | flat                     | tur608           |
|                                             |                | rising                   | tur609           |
|                                             |                | falling                  | tur610           |
| eksi                                        | negative       | flat                     | tur616           |
|                                             |                | rising                   | tur617           |
|                                             |                | falling                  | tur618           |
| ve                                          | and            | flat                     | tur620           |
|                                             |                | rising                   | tur621           |
|                                             |                | falling                  | tur622           |

**Turkish audio (Sheet 7 of 17)**

| <b>Turkish phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| saat                                        | hour           | flat                     | tur624           |
|                                             |                | rising                   | tur625           |
|                                             |                | falling                  | tur626           |
| da-ke-ka                                    | minute         | flat                     | tur632           |
|                                             |                | rising                   | tur633           |
|                                             |                | falling                  | tur634           |
| saneye                                      | second         | flat                     | tur640           |
|                                             |                | rising                   | tur641           |
|                                             |                | falling                  | tur642           |
| o-jak                                       | January        | flat                     | tur648           |
|                                             |                | rising                   | tur649           |
|                                             |                | falling                  | tur650           |
| shu-bat                                     | February       | flat                     | tur652           |
|                                             |                | rising                   | tur653           |
|                                             |                | falling                  | tur654           |
| mart                                        | March          | flat                     | tur656           |
|                                             |                | rising                   | tur657           |
|                                             |                | falling                  | tur658           |
| ne-saan                                     | April          | flat                     | tur660           |
|                                             |                | rising                   | tur661           |
|                                             |                | falling                  | tur662           |
| maa-yes                                     | May            | flat                     | tur664           |
|                                             |                | rising                   | tur665           |
|                                             |                | falling                  | tur666           |
| haa-ze-ran                                  | June           | flat                     | tur668           |
|                                             |                | rising                   | tur669           |
|                                             |                | falling                  | tur670           |

**Turkish audio (Sheet 8 of 17)**

| <b>Turkish phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| tam-mooz                                    | July           | flat                     | tur672           |
|                                             |                | rising                   | tur673           |
|                                             |                | falling                  | tur674           |
| a-oos-tos                                   | August         | flat                     | tur676           |
|                                             |                | rising                   | tur677           |
|                                             |                | falling                  | tur678           |
| ay-luul                                     | September      | flat                     | tur680           |
|                                             |                | rising                   | tur681           |
|                                             |                | falling                  | tur682           |
| a-kem                                       | October        | flat                     | tur684           |
|                                             |                | rising                   | tur685           |
|                                             |                | falling                  | tur686           |
| ka-sem                                      | November       | flat                     | tur688           |
|                                             |                | rising                   | tur689           |
|                                             |                | falling                  | tur690           |
| a-ra-lek                                    | December       | flat                     | tur692           |
|                                             |                | rising                   | tur693           |
|                                             |                | falling                  | tur694           |
| pa-zar                                      | Sunday         | flat                     | tur696           |
|                                             |                | rising                   | tur697           |
|                                             |                | falling                  | tur698           |
| pa-zar-te-se                                | Monday         | flat                     | tur700           |
|                                             |                | rising                   | tur701           |
|                                             |                | falling                  | tur702           |
| sa-la                                       | Tuesday        | flat                     | tur704           |
|                                             |                | rising                   | tur705           |
|                                             |                | falling                  | tur706           |



**Turkish audio (Sheet 9 of 17)**

| <b>Turkish phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| char-sham-ba                                | Wednesday      | flat                     | tur708           |
|                                             |                | rising                   | tur709           |
|                                             |                | falling                  | tur710           |
| par-shem-be                                 | Thursday       | flat                     | tur712           |
|                                             |                | rising                   | tur713           |
|                                             |                | falling                  | tur714           |
| coo-ma                                      | Friday         | flat                     | tur716           |
|                                             |                | rising                   | tur717           |
|                                             |                | falling                  | tur718           |
| coo-mar-te-se                               | Saturday       | flat                     | tur720           |
|                                             |                | rising                   | tur721           |
|                                             |                | falling                  | tur722           |
| safaranca                                   | zeroeth        | flat                     | tur724           |
|                                             |                | rising                   | tur725           |
|                                             |                | falling                  | tur726           |
| birence                                     | first          | flat                     | tur728           |
|                                             |                | rising                   | tur729           |
|                                             |                | falling                  | tur730           |
| e-ken-ce                                    | second         | flat                     | tur732           |
|                                             |                | rising                   | tur733           |
|                                             |                | falling                  | tur734           |
| uu-chuun-juu                                | third          | flat                     | tur736           |
|                                             |                | rising                   | tur737           |
|                                             |                | falling                  | tur738           |
| duer-duun-cuu                               | fourth         | flat                     | tur740           |
|                                             |                | rising                   | tur741           |
|                                             |                | falling                  | tur742           |

**Turkish audio (Sheet 10 of 17)**

| <b>Turkish phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| be-shin-ce                                  | fifth          | flat                     | tur744           |
|                                             |                | rising                   | tur745           |
|                                             |                | falling                  | tur746           |
| al-tan-ca                                   | sixth          | flat                     | tur748           |
|                                             |                | rising                   | tur749           |
|                                             |                | falling                  | tur750           |
| ya-den-ce                                   | seventh        | flat                     | tur752           |
|                                             |                | rising                   | tur753           |
|                                             |                | falling                  | tur754           |
| sa-ke-zen-je                                | eighth         | flat                     | tur756           |
|                                             |                | rising                   | tur757           |
|                                             |                | falling                  | tur758           |
| do-koo-zoon-joo                             | ninth          | flat                     | tur760           |
|                                             |                | rising                   | tur761           |
|                                             |                | falling                  | tur762           |
| o-noon-coo                                  | tenth          | flat                     | tur764           |
|                                             |                | rising                   | tur765           |
|                                             |                | falling                  | tur766           |
| yer-men-ce                                  | twentieth      | flat                     | tur804           |
|                                             |                | rising                   | tur805           |
|                                             |                | falling                  | tur806           |
| o-too-zoon-joo                              | thirtieth      | flat                     | tur808           |
|                                             |                | rising                   | tur809           |
|                                             |                | falling                  | tur810           |
| kar-kan-ca                                  | fortieth       | flat                     | tur812           |
|                                             |                | rising                   | tur813           |
|                                             |                | falling                  | tur814           |

**Turkish audio (Sheet 11 of 17)**

| <b>Turkish phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------|--------------------------|------------------|
| al-lan-ce                                   | fiftieth       | flat                     | tur816           |
|                                             |                | rising                   | tur817           |
|                                             |                | falling                  | tur818           |
| alt-ma-shan-ja                              | sixtieth       | flat                     | tur820           |
|                                             |                | rising                   | tur821           |
|                                             |                | falling                  | tur822           |
| yat-me-shen-je                              | seventieth     | flat                     | tur824           |
|                                             |                | rising                   | tur825           |
|                                             |                | falling                  | tur826           |
| sak-sa-nan-je                               | eightieth      | flat                     | tur828           |
|                                             |                | rising                   | tur829           |
|                                             |                | falling                  | tur830           |
| doch-san-an-je                              | ninetieth      | flat                     | tur832           |
|                                             |                | rising                   | tur833           |
|                                             |                | falling                  | tur834           |
| yuu-zuun-juu                                | hundredth      | flat                     | tur836           |
|                                             |                | rising                   | tur837           |
|                                             |                | falling                  | tur838           |
| bi-nin-je                                   | thousandth     | flat                     | tur872           |
|                                             |                | rising                   | tur873           |
|                                             |                | falling                  | tur874           |
| mel-yo-noon-ju                              | millionth      | flat                     | tur880           |
|                                             |                | rising                   | tur881           |
|                                             |                | falling                  | tur882           |
| mel-ya-ran-je                               | billionth      | flat                     | tur888           |
|                                             |                | rising                   | tur889           |
|                                             |                | falling                  | tur890           |

**Turkish audio (Sheet 12 of 17)**

| <b>Turkish phrase or English equivalent</b> | <b>English</b>           | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|--------------------------|--------------------------|------------------|
| nu-ma-raa e-sha-ra-te                       | pound sign<br>(#)        | flat                     | tur896           |
|                                             |                          | rising                   | tur897           |
|                                             |                          | falling                  | tur898           |
| yel-dez e-sha-ra-te                         | asterisk<br>(*)          | flat                     | tur900           |
|                                             |                          | rising                   | tur901           |
|                                             |                          | falling                  | tur902           |
| dolar                                       | dollar<br>(US)           | flat                     | tur1200          |
|                                             |                          | rising                   | tur1201          |
|                                             |                          | falling                  | tur1202          |
| sent                                        | cent<br>(US)             | flat                     | tur1208          |
|                                             |                          | rising                   | tur1209          |
|                                             |                          | falling                  | tur1210          |
| mark                                        | mark<br>(Germany)        | flat                     | tur1216          |
|                                             |                          | rising                   | tur1217          |
|                                             |                          | falling                  | tur1218          |
| pfennig                                     | pfennig<br>(Germany)     | flat                     | tur1224          |
|                                             |                          | rising                   | tur1225          |
|                                             |                          | falling                  | tur1226          |
| yen                                         | yen<br>(Japan)           | flat                     | tur1232          |
|                                             |                          | rising                   | tur1233          |
|                                             |                          | falling                  | tur1234          |
| lira                                        | lira<br>(Italy)          | flat                     | tur1240          |
|                                             |                          | rising                   | tur1241          |
|                                             |                          | falling                  | tur1242          |
| guilder                                     | guilder<br>(Netherlands) | flat                     | tur1248          |
|                                             |                          | rising                   | tur1249          |
|                                             |                          | falling                  | tur1250          |

**Turkish audio (Sheet 13 of 17)**

| <b>Turkish phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-----------------------|--------------------------|------------------|
| cent                                        | cent<br>(Netherlands) | flat                     | tur1256          |
|                                             |                       | rising                   | tur1257          |
|                                             |                       | falling                  | tur1258          |
| pound                                       | pound<br>(UK)         | flat                     | tur1264          |
|                                             |                       | rising                   | tur1265          |
|                                             |                       | falling                  | tur1266          |
| penny                                       | penny<br>(UK)         | flat                     | tur1272          |
|                                             |                       | rising                   | tur1273          |
|                                             |                       | falling                  | tur1274          |
| yuro <sup>2</sup>                           | euro<br>(Euro)        | flat                     | tur1280          |
|                                             |                       | rising                   | tur1281          |
|                                             |                       | falling                  | tur1282          |
| yuro senti                                  | eurocent<br>(Euro)    | flat                     | tur1288          |
|                                             |                       | rising                   | tur1289          |
|                                             |                       | falling                  | tur1290          |
| frank                                       | franc<br>(France)     | flat                     | tur1296          |
|                                             |                       | rising                   | tur1297          |
|                                             |                       | falling                  | tur1298          |
| santim                                      | centime<br>(France)   | flat                     | tur1304          |
|                                             |                       | rising                   | tur1305          |
|                                             |                       | falling                  | tur1306          |
| peseta                                      | peseta<br>(Spain)     | flat                     | tur1312          |
|                                             |                       | rising                   | tur1313          |
|                                             |                       | falling                  | tur1314          |
| peso                                        | peso<br>(Philippines) | flat                     | tur1328          |
|                                             |                       | rising                   | tur1329          |
|                                             |                       | falling                  | tur1330          |

**Turkish audio (Sheet 14 of 17)**

| <b>Turkish phrase or English equivalent</b> | <b>English</b>           | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|--------------------------|--------------------------|------------------|
| centavo                                     | centavo<br>(Philippines) | flat                     | tur1336          |
|                                             |                          | rising                   | tur1337          |
|                                             |                          | falling                  | tur1338          |
| ringgit                                     | ringgit<br>(Malaysia)    | flat                     | tur1344          |
|                                             |                          | rising                   | tur1345          |
|                                             |                          | falling                  | tur1346          |
| sen                                         | sen<br>(Malaysia)        | flat                     | tur1352          |
|                                             |                          | rising                   | tur1353          |
|                                             |                          | falling                  | tur1354          |
| baht                                        | baht<br>(Thailand)       | flat                     | tur1360          |
|                                             |                          | rising                   | tur1361          |
|                                             |                          | falling                  | tur1362          |
| satang                                      | satang<br>(Thailand)     | flat                     | tur1368          |
|                                             |                          | rising                   | tur1369          |
|                                             |                          | falling                  | tur1370          |
| won                                         | won<br>(Korea)           | flat                     | tur1376          |
|                                             |                          | rising                   | tur1377          |
|                                             |                          | falling                  | tur1378          |
| franc                                       | franc<br>(Belgium)       | flat                     | tur1384          |
|                                             |                          | rising                   | tur1385          |
|                                             |                          | falling                  | tur1386          |
| centime                                     | centime<br>(Belgium)     | flat                     | tur1392          |
|                                             |                          | rising                   | tur1393          |
|                                             |                          | falling                  | tur1394          |
| dollar                                      | dollar<br>(Canada)       | flat                     | tur1400          |
|                                             |                          | rising                   | tur1401          |
|                                             |                          | falling                  | tur1402          |

**Turkish audio (Sheet 15 of 17)**

| <b>Turkish phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|-----------------------|--------------------------|------------------|
| cent                                        | cent<br>(Canada)      | flat                     | tur1408          |
|                                             |                       | rising                   | tur1409          |
|                                             |                       | falling                  | tur1410          |
| dollar                                      | dollar<br>(Hong Kong) | flat                     | tur1416          |
|                                             |                       | rising                   | tur1417          |
|                                             |                       | falling                  | tur1418          |
| cent                                        | cent<br>(Hong Kong)   | flat                     | tur1424          |
|                                             |                       | rising                   | tur1425          |
|                                             |                       | falling                  | tur1426          |
| gok                                         | gok<br>(Hong Kong)    | flat                     | tur1488          |
|                                             |                       | rising                   | tur1489          |
|                                             |                       | falling                  | tur1490          |
| escudo                                      | escudo<br>(Portugal)  | flat                     | tur1432          |
|                                             |                       | rising                   | tur1433          |
|                                             |                       | falling                  | tur1434          |
| centavo                                     | centavo<br>(Portugal) | flat                     | tur1440          |
|                                             |                       | rising                   | tur1441          |
|                                             |                       | falling                  | tur1442          |
| yuan                                        | yuan<br>(China)       | flat                     | tur1448          |
|                                             |                       | rising                   | tur1449          |
|                                             |                       | falling                  | tur1450          |
| jiao                                        | jiao<br>(China)       | flat                     | tur1456          |
|                                             |                       | rising                   | tur1457          |
|                                             |                       | falling                  | tur1458          |
| fen                                         | fen<br>(China)        | flat                     | tur1464          |
|                                             |                       | rising                   | tur1465          |
|                                             |                       | falling                  | tur1466          |

**Turkish audio (Sheet 16 of 17)**

| <b>Turkish phrase or English equivalent</b> | <b>English</b>       | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|----------------------|--------------------------|------------------|
| pound                                       | pound<br>(Ireland)   | flat                     | tur1472          |
|                                             |                      | rising                   | tur1473          |
|                                             |                      | falling                  | tur1474          |
| penny                                       | penny<br>(Ireland)   | flat                     | tur1480          |
|                                             |                      | rising                   | tur1481          |
|                                             |                      | falling                  | tur1482          |
| she-kel                                     | shekel<br>(Israel)   | flat                     | tur4000          |
|                                             |                      | rising                   | tur4001          |
|                                             |                      | falling                  | tur4002          |
| agoro                                       | agoro<br>(Israel)    | flat                     | tur4008          |
|                                             |                      | rising                   | tur4009          |
|                                             |                      | falling                  | tur4010          |
| ko-roo-na-sa                                | koruna<br>(Czech)    | flat                     | tur4016          |
|                                             |                      | rising                   | tur4017          |
|                                             |                      | falling                  | tur4018          |
| haleru                                      | haleru<br>(Czech)    | flat                     | tur4024          |
|                                             |                      | rising                   | tur4025          |
|                                             |                      | falling                  | tur4026          |
| le-ra                                       | lira<br>(Turkey)     | flat                     | tur4032          |
|                                             |                      | rising                   | tur4033          |
|                                             |                      | falling                  | tur4034          |
| drah-ma-sa                                  | drachma<br>(Greek)   | flat                     | tur4040          |
|                                             |                      | rising                   | tur4041          |
|                                             |                      | falling                  | tur4042          |
| dan-ge                                      | dong<br>(Vietnamese) | flat                     | tur4048          |
|                                             |                      | rising                   | tur4049          |
|                                             |                      | falling                  | tur4050          |



**Turkish audio (Sheet 17 of 17)**

| <b>Turkish phrase or English equivalent</b> | <b>English</b>   | <b>Phrase intonation</b> | <b>File name</b> |
|---------------------------------------------|------------------|--------------------------|------------------|
| ru-pe <sup>2</sup>                          | rupee<br>(India) | flat                     | tur4056          |
|                                             |                  | rising                   | tur4057          |
|                                             |                  | falling                  | tur4058          |
| payza <sup>2</sup>                          | paisa<br>(India) | flat                     | tur4064          |
|                                             |                  | rising                   | tur4065          |
|                                             |                  | falling                  | tur4066          |

## Vietnamese audio files

**Note 1:** Only record audio file names vie1200-vie4066 if the user provisions audio files for this currency.

**Note 2:** Audio files names vie508-vie610 are used for strings functionality. Recording of this audio is optional and the content of the recording can be any word.

**Note 3:** Vietnamese months are formed by saying “tang” (month) and the number of the month. “January” and “April,” however, are exceptions, and must be datafilled. Thus, audio files names vie648-vie662 are reserved for the months, “January” and “April.” The other months are formed by using the audio file for “tang” and the audio file for the number of the month.

### Vietnamese audio (Sheet 1 of 13)

| Vietnamese phrase or English equivalent | English | Phrase intonation | File name |
|-----------------------------------------|---------|-------------------|-----------|
| kong                                    | zero    | flat              | vie0      |
|                                         |         | rising            | vie1      |
|                                         |         | falling           | vie2      |
| mot                                     | one     | flat              | vie8      |
|                                         |         | rising            | vie9      |
|                                         |         | falling           | vie10     |
| hi                                      | two     | flat              | vie12     |
|                                         |         | rising            | vie13     |
|                                         |         | falling           | vie14     |
| ba                                      | three   | flat              | vie16     |
|                                         |         | rising            | vie17     |
|                                         |         | falling           | vie18     |
| bon                                     | four    | flat              | vie20     |
|                                         |         | rising            | vie21     |
|                                         |         | falling           | vie22     |

**Vietnamese audio (Sheet 2 of 13)**

| <b>Vietnamese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|----------------|--------------------------|------------------|
| nam                                            | five           | flat                     | vie24            |
|                                                |                | rising                   | vie25            |
|                                                |                | falling                  | vie26            |
| sao                                            | six            | flat                     | vie28            |
|                                                |                | rising                   | vie29            |
|                                                |                | falling                  | vie30            |
| bay                                            | seven          | flat                     | vie32            |
|                                                |                | rising                   | vie33            |
|                                                |                | falling                  | vie34            |
| tam                                            | eight          | flat                     | vie36            |
|                                                |                | rising                   | vie37            |
|                                                |                | falling                  | vie38            |
| chin                                           | nine           | flat                     | vie40            |
|                                                |                | rising                   | vie41            |
|                                                |                | falling                  | vie42            |
| mui                                            | ten            | flat                     | vie56            |
|                                                |                | rising                   | vie57            |
|                                                |                | falling                  | vie58            |
| tcham                                          | hundred        | flat                     | vie128           |
|                                                |                | rising                   | vie129           |
|                                                |                | falling                  | vie130           |
| nan                                            | thousand       | flat                     | vie496           |
|                                                |                | rising                   | vie497           |
|                                                |                | falling                  | vie498           |
| tchio                                          | million        | flat                     | vie500           |
|                                                |                | rising                   | vie501           |
|                                                |                | falling                  | vie502           |

**Vietnamese audio (Sheet 3 of 13)**

| <b>Vietnamese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|----------------|--------------------------|------------------|
| tee                                            | billion        | flat                     | vie504           |
|                                                |                | rising                   | vie505           |
|                                                |                | falling                  | vie506           |
| optional                                       | a              | flat                     | vie508           |
|                                                |                | rising                   | vie509           |
|                                                |                | falling                  | vie510           |
| optional                                       | b              | flat                     | vie512           |
|                                                |                | rising                   | vie513           |
|                                                |                | falling                  | vie514           |
| optional                                       | c              | flat                     | vie516           |
|                                                |                | rising                   | vie517           |
|                                                |                | falling                  | vie518           |
| optional                                       | d              | flat                     | vie520           |
|                                                |                | rising                   | vie521           |
|                                                |                | falling                  | vie522           |
| optional                                       | e              | flat                     | vie524           |
|                                                |                | rising                   | vie525           |
|                                                |                | falling                  | vie526           |
| optional                                       | f              | flat                     | vie528           |
|                                                |                | rising                   | vie529           |
|                                                |                | falling                  | vie530           |
| optional                                       | g              | flat                     | vie532           |
|                                                |                | rising                   | vie533           |
|                                                |                | falling                  | vie534           |
| optional                                       | h              | flat                     | vie536           |
|                                                |                | rising                   | vie537           |
|                                                |                | falling                  | vie538           |

**Vietnamese audio (Sheet 4 of 13)**

| <b>Vietnamese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|----------------|--------------------------|------------------|
| optional                                       | i              | flat                     | vie540           |
|                                                |                | rising                   | vie541           |
|                                                |                | falling                  | vie542           |
| optional                                       | j              | flat                     | vie544           |
|                                                |                | rising                   | vie545           |
|                                                |                | falling                  | vie546           |
| optional                                       | k              | flat                     | vie548           |
|                                                |                | rising                   | vie549           |
|                                                |                | falling                  | vie550           |
| optional                                       | l              | flat                     | vie552           |
|                                                |                | rising                   | vie553           |
|                                                |                | falling                  | vie554           |
| optional                                       | m              | flat                     | vie556           |
|                                                |                | rising                   | vie557           |
|                                                |                | falling                  | vie557           |
| optional                                       | n              | flat                     | vie560           |
|                                                |                | rising                   | vie561           |
|                                                |                | falling                  | vie562           |
| optional                                       | o              | flat                     | vie564           |
|                                                |                | rising                   | vie565           |
|                                                |                | falling                  | vie566           |
| optional                                       | p              | flat                     | vie568           |
|                                                |                | rising                   | vie569           |
|                                                |                | falling                  | vie570           |
| optional                                       | q              | flat                     | vie572           |
|                                                |                | rising                   | vie573           |
|                                                |                | falling                  | vie574           |

**Vietnamese audio (Sheet 5 of 13)**

| <b>Vietnamese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|----------------|--------------------------|------------------|
| optional                                       | r              | flat                     | vie576           |
|                                                |                | rising                   | vie577           |
|                                                |                | falling                  | vie578           |
| optional                                       | s              | flat                     | vie580           |
|                                                |                | rising                   | vie581           |
|                                                |                | falling                  | vie582           |
| optional                                       | t              | flat                     | vie584           |
|                                                |                | rising                   | vie585           |
|                                                |                | falling                  | vie586           |
| optional                                       | u              | flat                     | vie588           |
|                                                |                | rising                   | vie5589          |
|                                                |                | falling                  | vie590           |
| optional                                       | v              | flat                     | vie592           |
|                                                |                | rising                   | vie593           |
|                                                |                | falling                  | vie594           |
| optional                                       | w              | flat                     | vie596           |
|                                                |                | rising                   | vie597           |
|                                                |                | falling                  | vie598           |
| optional                                       | x              | flat                     | vie600           |
|                                                |                | rising                   | vie601           |
|                                                |                | falling                  | vie602           |
| optional                                       | y              | flat                     | vie604           |
|                                                |                | rising                   | vie605           |
|                                                |                | falling                  | vie606           |
| optional                                       | z              | flat                     | vie608           |
|                                                |                | rising                   | vie609           |
|                                                |                | falling                  | vie610           |

**Vietnamese audio (Sheet 6 of 13)**

| <b>Vietnamese phrase or English equivalent</b> | <b>English</b> | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|----------------|--------------------------|------------------|
| tchu                                           | negative       | flat                     | vie616           |
|                                                |                | rising                   | vie617           |
|                                                |                | falling                  | vie618           |
| vaa                                            | and            | flat                     | vie620           |
|                                                |                | rising                   | vie621           |
|                                                |                | falling                  | vie622           |
| zo                                             | hour           | flat                     | vie624           |
|                                                |                | rising                   | vie625           |
|                                                |                | falling                  | vie626           |
| fut                                            | minute         | flat                     | vie632           |
|                                                |                | rising                   | vie633           |
|                                                |                | falling                  | vie634           |
| zay                                            | second         | flat                     | vie640           |
|                                                |                | rising                   | vie641           |
|                                                |                | falling                  | vie642           |
| tang ze-eng                                    | January        | flat                     | vie648           |
|                                                |                | rising                   | vie649           |
|                                                |                | falling                  | vie650           |
| tang too                                       | April          | flat                     | vie660           |
|                                                |                | rising                   | vie661           |
|                                                |                | falling                  | vie662           |
| tchoo nat                                      | Sunday         | flat                     | vie696           |
|                                                |                | rising                   | vie697           |
|                                                |                | falling                  | vie698           |
| tu nat                                         | first          | flat                     | vie728           |
|                                                |                | rising                   | vie729           |
|                                                |                | falling                  | vie730           |

**Vietnamese audio (Sheet 7 of 13)**

| <b>Vietnamese phrase or English equivalent</b> | <b>English</b>       | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|----------------------|--------------------------|------------------|
| tu too                                         | fourth               | flat                     | vie740           |
|                                                |                      | rising                   | vie741           |
|                                                |                      | falling                  | vie742           |
| zao pao                                        | pound sign<br>(#)    | flat                     | vie896           |
|                                                |                      | rising                   | vie897           |
|                                                |                      | falling                  | vie898           |
| zao hua ti                                     | asterisk<br>(*)      | flat                     | vie900           |
|                                                |                      | rising                   | vie901           |
|                                                |                      | falling                  | vie902           |
| do la                                          | dollar<br>(US)       | flat                     | vie1200          |
|                                                |                      | rising                   | vie1201          |
|                                                |                      | falling                  | vie1202          |
| soo                                            | cent<br>(US)         | flat                     | vie1208          |
|                                                |                      | rising                   | vie1209          |
|                                                |                      | falling                  | vie1210          |
| mark                                           | mark<br>(Germany)    | flat                     | vie1216          |
|                                                |                      | rising                   | vie1217          |
|                                                |                      | falling                  | vie1218          |
| pfennig                                        | pfennig<br>(Germany) | flat                     | vie1224          |
|                                                |                      | rising                   | vie1225          |
|                                                |                      | falling                  | vie1226          |
| dong yen                                       | yen<br>(Japan)       | flat                     | vie1232          |
|                                                |                      | rising                   | vie1233          |
|                                                |                      | falling                  | vie1234          |
| lira                                           | lira<br>(Italy)      | flat                     | vie1240          |
|                                                |                      | rising                   | vie1241          |
|                                                |                      | falling                  | vie1242          |



**Vietnamese audio (Sheet 8 of 13)**

| <b>Vietnamese phrase or English equivalent</b> | <b>English</b>           | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|--------------------------|--------------------------|------------------|
| guilder                                        | guilder<br>(Netherlands) | flat                     | vie1248          |
|                                                |                          | rising                   | vie1249          |
|                                                |                          | falling                  | vie1250          |
| cent                                           | cent<br>(Netherlands)    | flat                     | vie1256          |
|                                                |                          | rising                   | vie1257          |
|                                                |                          | falling                  | vie1258          |
| pound                                          | pound<br>(UK)            | flat                     | vie1264          |
|                                                |                          | rising                   | vie1265          |
|                                                |                          | falling                  | vie1266          |
| penny                                          | penny<br>(UK)            | flat                     | vie1272          |
|                                                |                          | rising                   | vie1273          |
|                                                |                          | falling                  | vie1274          |
| dong er ro                                     | euro<br>(Euro)           | flat                     | vie1280          |
|                                                |                          | rising                   | vie1281          |
|                                                |                          | falling                  | vie1282          |
| soo er ro                                      | eurocent<br>(Euro)       | flat                     | vie1288          |
|                                                |                          | rising                   | vie1289          |
|                                                |                          | falling                  | vie1290          |
| faat lan                                       | franc<br>(France)        | flat                     | vie1296          |
|                                                |                          | rising                   | vie1297          |
|                                                |                          | falling                  | vie1298          |
| saang tim                                      | centime<br>(France)      | flat                     | vie1304          |
|                                                |                          | rising                   | vie1305          |
|                                                |                          | falling                  | vie1306          |
| peseta                                         | peseta<br>(Spain)        | flat                     | vie1312          |
|                                                |                          | rising                   | vie1313          |
|                                                |                          | falling                  | vie1314          |

**Vietnamese audio (Sheet 9 of 13)**

| <b>Vietnamese phrase or English equivalent</b> | <b>English</b>           | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|--------------------------|--------------------------|------------------|
| peso                                           | peso<br>(Phillipines)    | flat                     | vie1328          |
|                                                |                          | rising                   | vie1329          |
|                                                |                          | falling                  | vie1330          |
| centavo                                        | centavo<br>(Phillipines) | flat                     | vie1336          |
|                                                |                          | rising                   | vie1337          |
|                                                |                          | falling                  | vie1338          |
| ringgit                                        | ringgit<br>(Malaysia)    | flat                     | vie1344          |
|                                                |                          | rising                   | vie1345          |
|                                                |                          | falling                  | vie1346          |
| sen                                            | sen<br>(Malaysia)        | flat                     | vie1352          |
|                                                |                          | rising                   | vie1353          |
|                                                |                          | falling                  | vie1354          |
| baht                                           | baht<br>(Thailand)       | flat                     | vie1360          |
|                                                |                          | rising                   | vie1361          |
|                                                |                          | falling                  | vie1362          |
| satang                                         | satang<br>(Thailand)     | flat                     | vie1368          |
|                                                |                          | rising                   | vie1369          |
|                                                |                          | falling                  | vie1370          |
| won                                            | won<br>(Korea)           | flat                     | vie1376          |
|                                                |                          | rising                   | vie1377          |
|                                                |                          | falling                  | vie1378          |
| franc                                          | franc<br>(Belgium)       | flat                     | vie1384          |
|                                                |                          | rising                   | vie1385          |
|                                                |                          | falling                  | vie1386          |
| centime                                        | centime<br>(Belgium)     | flat                     | vie1392          |
|                                                |                          | rising                   | vie1393          |
|                                                |                          | falling                  | vie1394          |

**Vietnamese audio (Sheet 10 of 13)**

| <b>Vietnamese phrase or English equivalent</b> | <b>English</b>        | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|-----------------------|--------------------------|------------------|
| dollar                                         | dollar<br>(Canada)    | flat                     | vie1400          |
|                                                |                       | rising                   | vie1401          |
|                                                |                       | falling                  | vie1402          |
| cent                                           | cent<br>(Canada)      | flat                     | vie1408          |
|                                                |                       | rising                   | vie1409          |
|                                                |                       | falling                  | vie1410          |
| dollar                                         | dollar<br>(Hong Kong) | flat                     | vie1416          |
|                                                |                       | rising                   | vie1417          |
|                                                |                       | falling                  | vie1418          |
| cent                                           | cent<br>(Hong Kong)   | flat                     | vie1424          |
|                                                |                       | rising                   | vie1425          |
|                                                |                       | falling                  | vie1426          |
| gok                                            | gok<br>(Hong Kong)    | flat                     | vie1488          |
|                                                |                       | rising                   | vie1489          |
|                                                |                       | falling                  | vie1490          |
| escudo                                         | escudo<br>(Portugal)  | flat                     | vie1432          |
|                                                |                       | rising                   | vie1433          |
|                                                |                       | falling                  | vie1434          |
| centavo                                        | centavo<br>(Portugal) | flat                     | vie1440          |
|                                                |                       | rising                   | vie1441          |
|                                                |                       | falling                  | vie1442          |
| yuan                                           | yuan<br>(China)       | flat                     | vie1448          |
|                                                |                       | rising                   | vie1449          |
|                                                |                       | falling                  | vie1450          |
| jiao                                           | jiao<br>(China)       | flat                     | vie1456          |
|                                                |                       | rising                   | vie1457          |
|                                                |                       | falling                  | vie1458          |

**Vietnamese audio (Sheet 11 of 13)**

| <b>Vietnamese phrase or English equivalent</b> | <b>English</b>     | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|--------------------|--------------------------|------------------|
| fen                                            | fen<br>(China)     | flat                     | vie1464          |
|                                                |                    | rising                   | vie1465          |
|                                                |                    | falling                  | vie1466          |
| pound                                          | pound<br>(Ireland) | flat                     | vie1472          |
|                                                |                    | rising                   | vie1473          |
|                                                |                    | falling                  | vie1474          |
| penny                                          | penny<br>(Ireland) | flat                     | vie1480          |
|                                                |                    | rising                   | vie1481          |
|                                                |                    | falling                  | vie1482          |
| dong shekel zo tai                             | shekel<br>(Israel) | flat                     | vie4000          |
|                                                |                    | rising                   | vie4001          |
|                                                |                    | falling                  | vie4002          |
| agoro                                          | agoro<br>(Israel)  | flat                     | vie4008          |
|                                                |                    | rising                   | vie4009          |
|                                                |                    | falling                  | vie4010          |
| dong co ru na teip                             | koruna<br>(Czech)  | flat                     | vie4016          |
|                                                |                    | rising                   | vie4017          |
|                                                |                    | falling                  | vie4018          |
| haleru                                         | haleru<br>(Czech)  | flat                     | vie4024          |
|                                                |                    | rising                   | vie4025          |
|                                                |                    | falling                  | vie4026          |
| dong li ra tou                                 | lira<br>(Turkey)   | flat                     | vie4032          |
|                                                |                    | rising                   | vie4033          |
|                                                |                    | falling                  | vie4034          |
| dong drachma i cap                             | drachma<br>(Greek) | flat                     | vie4040          |
|                                                |                    | rising                   | vie4041          |
|                                                |                    | falling                  | vie4042          |

**Vietnamese audio (Sheet 12 of 13)**

| <b>Vietnamese phrase or English equivalent</b> | <b>English</b>       | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|----------------------|--------------------------|------------------|
| dong                                           | dong<br>(Vietnamese) | flat                     | vie4048          |
|                                                |                      | rising                   | vie4049          |
|                                                |                      | falling                  | vie4050          |
| rup pee                                        | rupee<br>(Indian)    | flat                     | vie4056          |
|                                                |                      | rising                   | vie4057          |
|                                                |                      | falling                  | vie4058          |
| dong paisa                                     | paisa<br>(Indian)    | flat                     | vie4064          |
|                                                |                      | rising                   | vie4065          |
|                                                |                      | falling                  | vie4066          |
| seng                                           | morning              | flat                     | vie920           |
|                                                |                      | rising                   | vie921           |
|                                                |                      | falling                  | vie922           |
| tchua                                          | afternoon            | flat                     | vie924           |
|                                                |                      | rising                   | vie925           |
|                                                |                      | falling                  | vie926           |
| tchiu                                          | evening              | flat                     | vie928           |
|                                                |                      | rising                   | vie929           |
|                                                |                      | falling                  | vie930           |
| dam                                            | night                | flat                     | vie932           |
|                                                |                      | rising                   | vie933           |
|                                                |                      | falling                  | vie934           |
| nooa dam                                       | mid-night            | flat                     | vie936           |
|                                                |                      | rising                   | vie937           |
|                                                |                      | falling                  | vie938           |
| tu                                             | rank                 | flat                     | vie940           |
|                                                |                      | rising                   | vie941           |
|                                                |                      | falling                  | vie942           |

**Vietnamese audio (Sheet 13 of 13)**

| <b>Vietnamese phrase or English equivalent</b> | <b>English</b>                                      | <b>Phrase intonation</b> | <b>File name</b> |
|------------------------------------------------|-----------------------------------------------------|--------------------------|------------------|
| tang                                           | month                                               | flat                     | vie944           |
|                                                |                                                     | rising                   | vie945           |
|                                                |                                                     | falling                  | vie946           |
| nam                                            | year                                                | flat                     | vie948           |
|                                                |                                                     | rising                   | vie949           |
|                                                |                                                     | falling                  | vie950           |
| le                                             | zero<br>( used in numbers when 0 precedes a number) | flat                     | vie952           |
|                                                |                                                     | rising                   | vie953           |
|                                                |                                                     | falling                  | vie954           |
| lam                                            | five<br>( used when five is in unit's place)        | flat                     | vie956           |
|                                                |                                                     | rising                   | vie957           |
|                                                |                                                     | falling                  | vie958           |
| chaan                                          | even                                                | flat                     | vie960           |
|                                                |                                                     | rising                   | vie961           |
|                                                |                                                     | falling                  | vie962           |