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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).

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 performed through two different tools. One tool, called the MS 2000 Series Configuration Tool, is an interactive command line user interface (CLUI). The CLUI is accessed through a telnet connection to the CS 2000 Management Tool. This MS2000 CLUI is the primary OAM interface used for the media server. The second tool is an Embedded web server utility, resident on each MS 2000 Series node, and is the emergency action interface (EAI). The MS 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 MS 2000 Series.

MS 2000 Series Configuration Tool

The MS 2000 Series CLUI, is the primary tool used for normal MS 2000 Series configuration activities. These activities include:

- Displaying a list of the Media Server 2000 nodes
- Downloading load files to a Media Server 2000
- Backing up INI files to a Media Server 2000
- Performing Soft Reset on a Media Server 2000
- Performing a Graceful lock on a Media Server 2000
- Performing a Force Lock on a Media Server 2000

- Unlocking a Media Server 2000
- Displaying current node configuration
- Performing general node configuration (refer to the Node configuration parameters table below)
- Configuring time settings
- Setting SNMP trusted managers
- Listing, adding, and deleting trap destinations
- Changing the SNMP password
- Changing the file upload and download user password
- Listing the ATM Loopback table (MS2020)
- Editing ATM Loopback table port entries (MS2020)
- Listing the SVC table (MS2020)
- Listing and editing the ATM Port Table (MS2020)
- Listing the Remote Gateway table (MS2020)
- Adding and deleting Remote Gateway table entries (MS2020)
- Listing the PVC Table (MS2020)
- Adding and deleting PVC table entries (MS2020)
- Listing or editing the SVC profile table (MS2020)
- Backing up INI file for all nodes
- Copying files to the SDM/CBM
- Configuring auto backup of the INI file

The Media Server 200 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, through the MS 2000 Series Configuration Tool, in order to burn the

new configuration parameters into flash memory on the nodes and to activate the new configuration parameters.

Table 1 Node configuration parameters

Configuration parameter	Function and/or possible settings
Is a Megaco Call Agent Used	Determines whether a MEGACO Call Agent is used
Megaco Call Agent IP address	IP address of the Gateway Controller
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 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 Node 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.

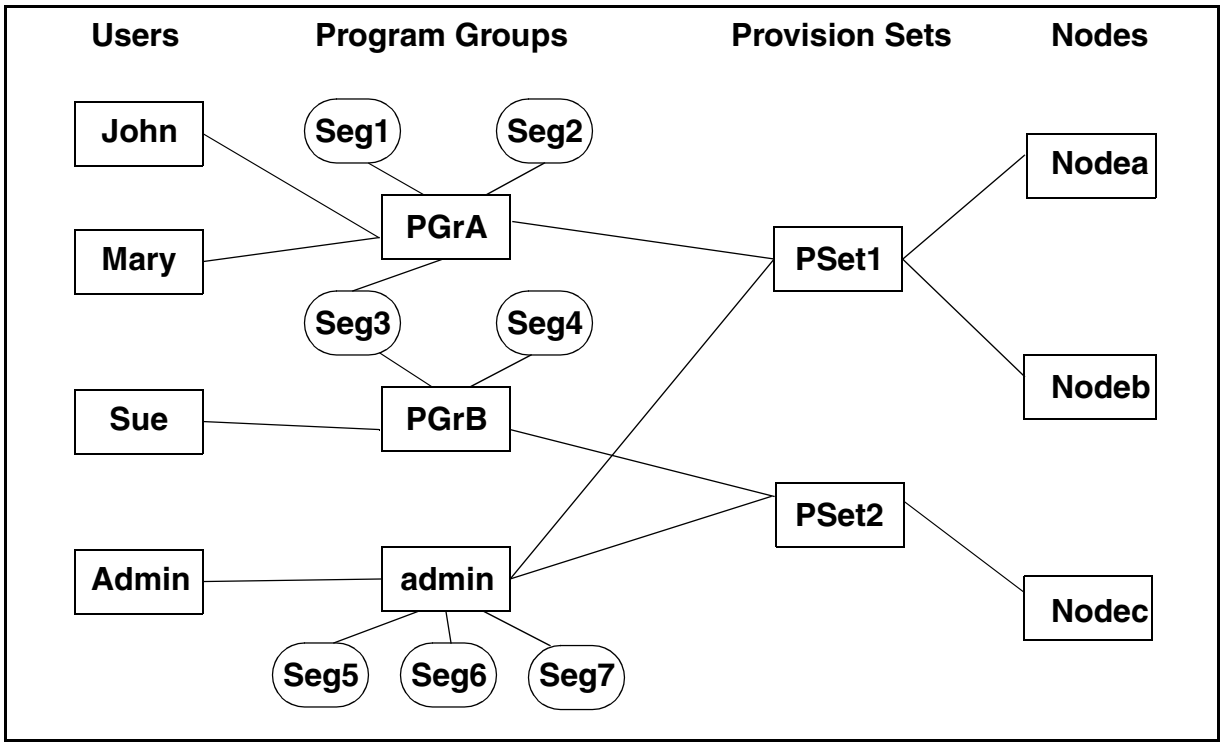
- *node*, which represents an Media Server 2000 Series node to which audio can be distributed. Each node has a unique hostname and IP

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 (Sheet 1 of 2)

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	

Administration operations (Sheet 2 of 2)

Operation	User	Program Group	Provision Set	Node	Selector Types	Selector Values
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

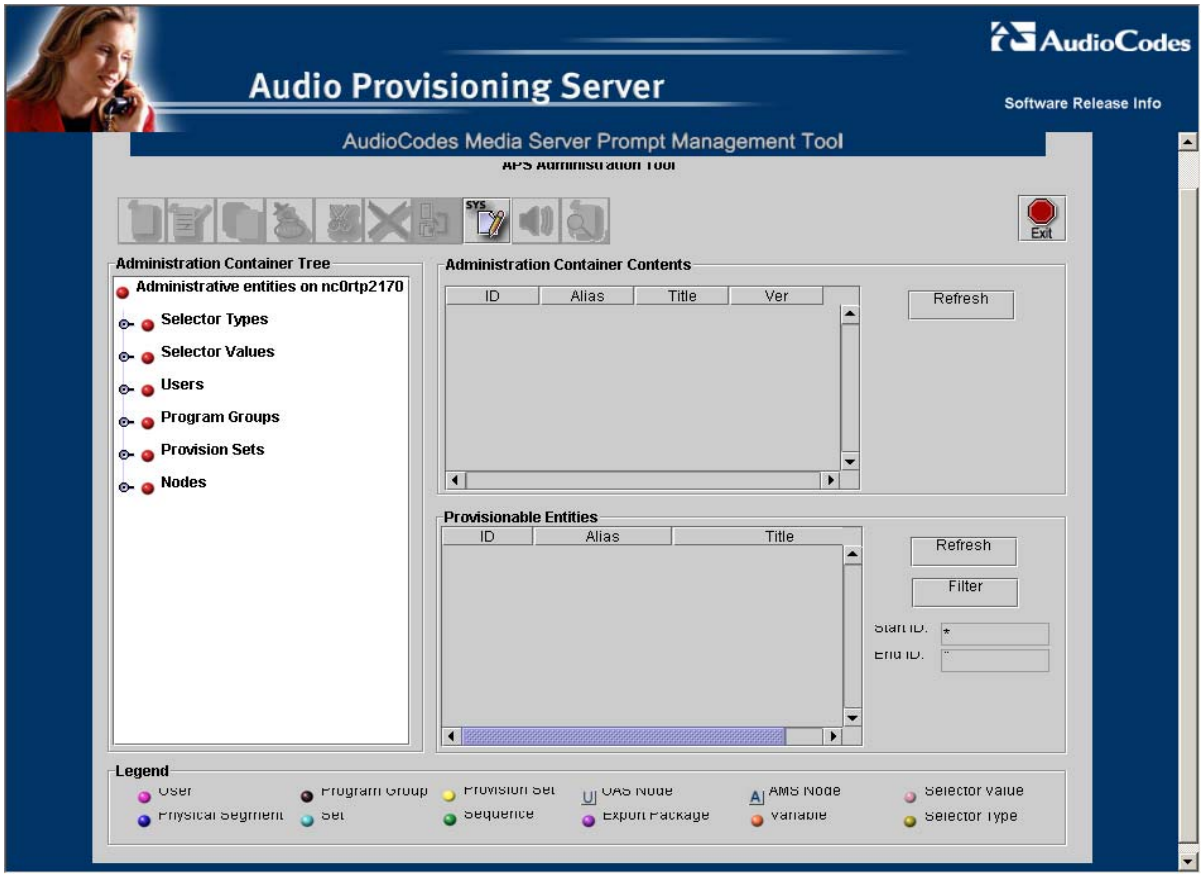
Selector Types and Selector Values are used for audio set definition and are used also during call processing in conjunction with audio variables and language versions. The APS Administration GUI enables you to manage selector types and selector values that you have added when you require selector types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

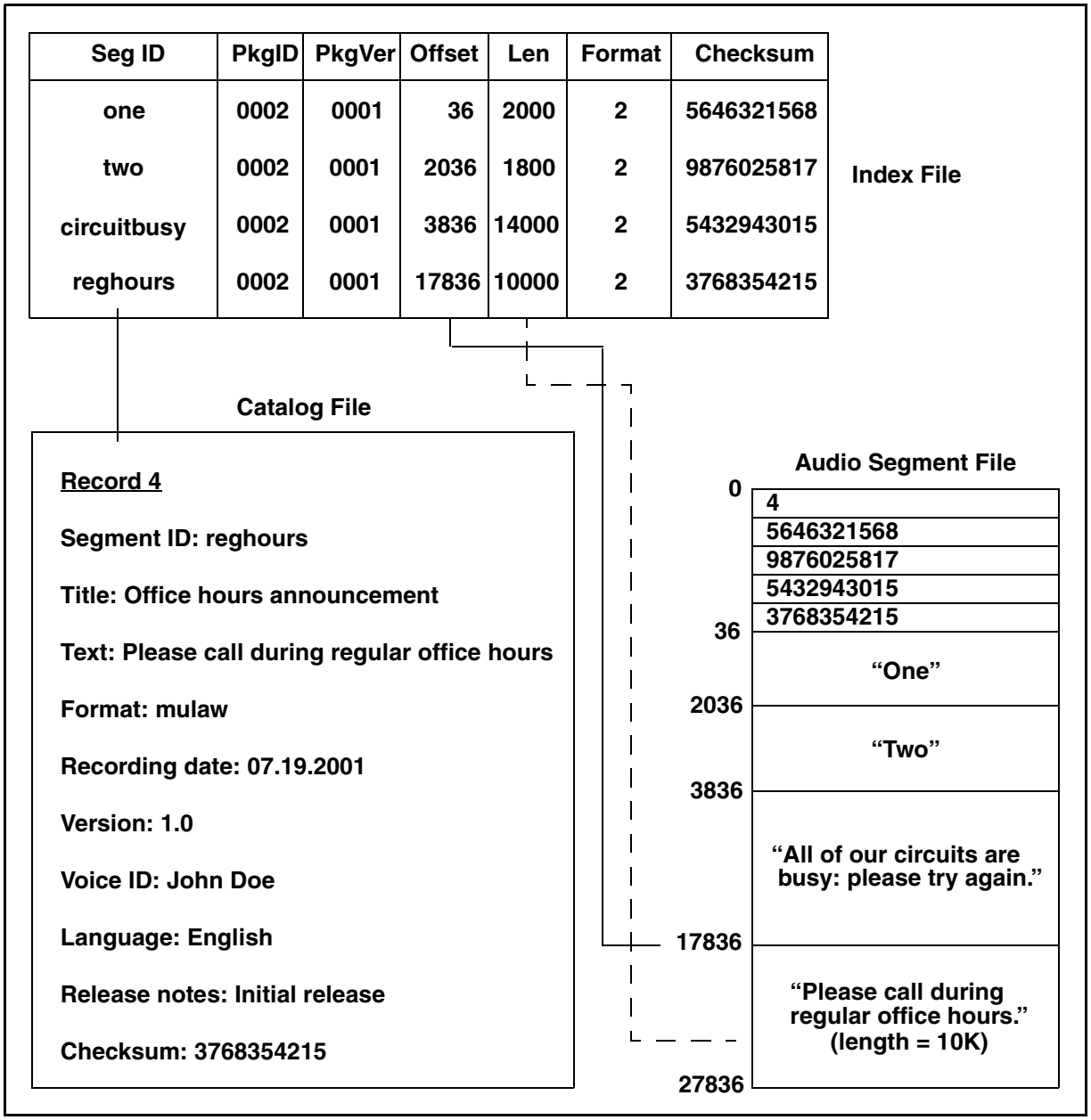
— for audio variables, the remaining fields are:

- *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

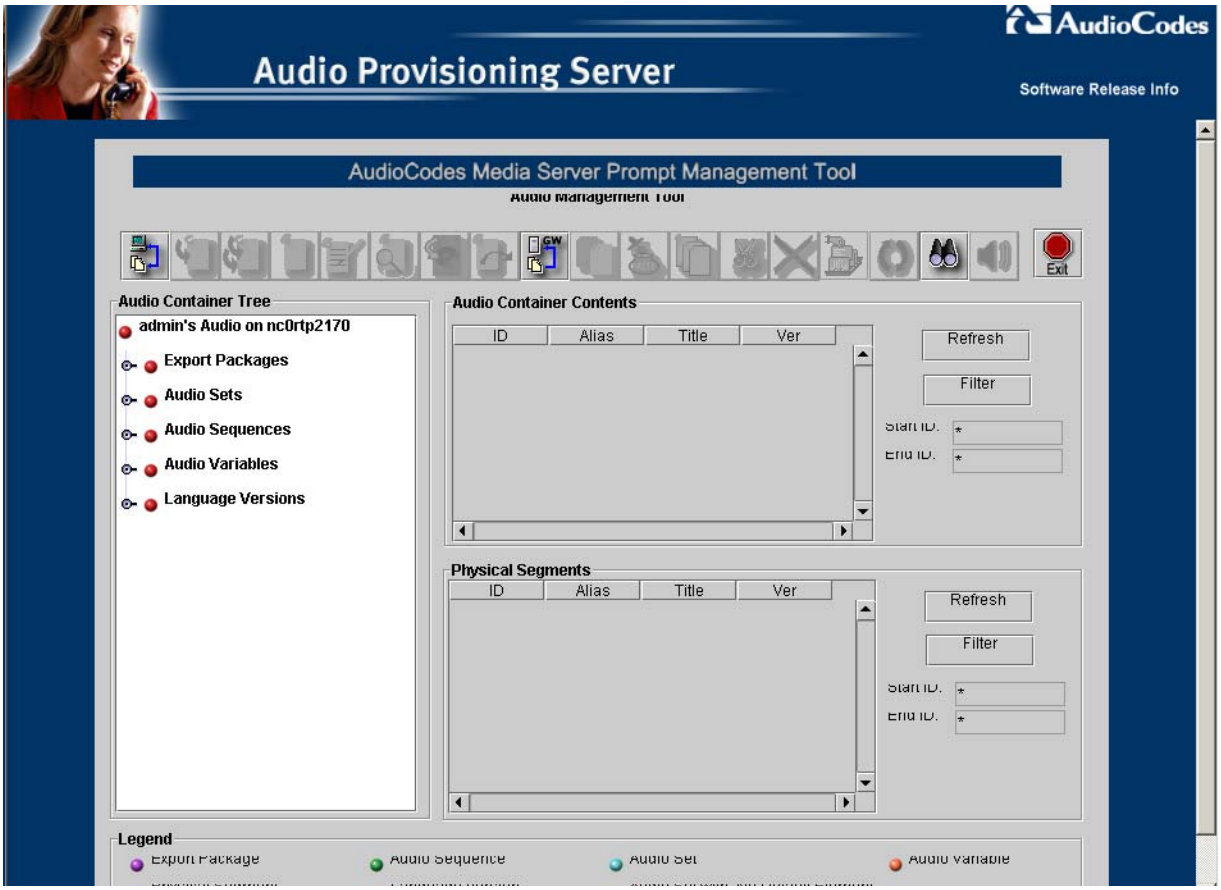
Audio management operations (Sheet 2 of 2)

Operation	Package	Physical Segment	Set	Sequence	Variable
Find	x	x	x	x	x
Set default segment			x		
Edit selector type			x		
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 CS 2000 Management Tool, the Media Server 2000 Configuration Tool (MS 2000 Series CLUI)”. The MS 2000 Series CLUI is an interactive command line user interface. The following table lists Media Server 2000 Series CLUI procedures.

Note: To access the Media Server 2000 Series CLUI, you must log into the CS 2000 Management Tool using a user name that is a member of the “succssn” and “emsadm” groups.

Media Server 2000 Series Configuration Tool procedures

Procedure
Displaying the MS 2000 Series nodes configured in the system
Downloading load files to a Media Server 2000 series node (.cmp, .ini, and .dat files)
Backing up INI files to a Media Server 2000 series node
Performing a soft reset on a Media Server 2000 series node
Performing a Graceful Lock of a Media Server 2000 series node
Performing a Force Lock of a Media Server 2000 series node
Unlocking a Media Server 2000 series node
Displaying Media Server 2010 node current configuration
Displaying the MS 2000 Series nodes configured in the system
Configuring a Media Server 2010 node
Configuring a Media Server 2020 node
Configuring network time settings for a Media Server 2010 node
Configuring network time settings for a Media Server 2020 node
Setting trusted SNMP managers for a Media Server 2010 node
Setting trusted SNMP managers for a Media Server 2020 node
Listing the trap destinations for a Media Server 2010 node
Listing the trap destinations for a Media Server 2020 node
Adding trap destinations for a Media Server 2010 node
Adding a trap destination for a Media Server 2020 node
Deleting trap destinations for a Media Server 2010 node
Deleting trap destinations for a Media Server 2020 node
Changing the SNMP community string password for a Media Server 2010 node

Media Server 2000 Series Configuration Tool procedures

Procedure
Changing the SNMP community string password for a Media Server 2020 node
Changing the file upload and download user and password for a Media Server 2010 node
Changing the file upload and download user and password for a Media Server 2020 node
Listing the ATM loopback table for a Media Server 2020 node
Editing the ATM loopback port entry for a Media Server 2020 node
Listing the SVC connection table for a Media Server 2020 node
Listing the ATM port configuration table for a Media Server 2020 node
Editing the ATM port entry for a Media Server 2020 node
Listing the remote gateway table for a Media Server 2020 node
Adding a remote gateway entry for a Media Server 2020 node
Deleting a remote gateway entry for a Media Server 2020 node
Listing the PVC table for a Media Server 2020 node
Adding a PVC entry for a Media Server 2020 node
Deleting a PVC entry for a Media Server 2020 node
Listing the SVC connection table for a Media Server 2020 node
Backing up INI files for all nodes
Copying a file to the SDM/CBM
Configuring automated INI file backups

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 or TP-6310 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	At the APS Administration Tool screen
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 a language version folder
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 the Media Server 2000 series Nodes

This procedure enables you to display a list of the Media Server 2000 series nodes.

At the Windows desktop interface

1 Open a telnet connection to the CS 2000 Management Tool.

2 Log in with the appropriate user name.

Note: The user name must be a member of the “succssn” and “emsadm” groups.

3 Invoke the MS 2000 Series CLUI by entering the following on the command line:

`/opt/nortel/NTsesm/bin/ms2000.sh`

4 When prompted, enter the appropriate user name and password.

The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5 Enter 1 to display a list of the MS2000 series nodes.

Example

List of provisioned MS 2000 Nodes

```
*** List of provisioned MS 2000 Nodes ***
IP Address      Node Name      State         Host GWC
172.17.40.230   rtps-MS2010A   unlocked(2)   GWC-3
Press <enter> to continue
```

6 Press enter to return to the *Media Server 2000 Series CLUI Main Menu*.

The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
     Enter selection (1 - 5, x)
```

7 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

8 Enter exit to close the telnet session.

9 You have completed this procedure.

Downloading load files to a Media Server 2000 series node (.cmp, .ini, and .dat files)

This procedure enables you to download load files to a Media Server 2000 series node.

Note: This procedure pertains to both the Media Server 2010 and the Media Server 2020. The example screens in this procedure show a Media Server 2010. The Media Server displays either the MS 2010 or MS2020 in the title depending on the IP you entered.

At the Windows desktop interface

1 Open a telnet connection to the CS 2000 Management Tool.

2 Log in with the appropriate user name.

Note: The user name must be a member of the “succssn” and “emsadm” groups.

3 Invoke the MS 2000 Series CLUI by entering the following on the command line:

`/opt/nortel/NTsesm/bin/ms2000.sh`

4 When prompted, enter the appropriate user name and password.

The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5 Enter 2 to access Node Maintenance and Configuration menu.

6 When prompted, enter the IP address of the Media Server node.

The *Main Menu* displays.

```
*** Main Menu for MS2010 at 172.17.40.230 ***
1) Maintenance Menu
2) Configuration Menu
```

```
x) EXIT
Enter selection (1 - 2, x)
```

7 Enter 1 to access the Maintenance Menu.

The *Maintenance Menu* displays.

```
*** Maintenance Menu for MS2010 at 172.17.40.230 ***
1) Download load files to this node
2) Backup the INI file for this node
3) Perform a soft reset for this node
4) Lock or Unlock this node
x) EXIT
Enter selection (1 - 4, x)
```

8 Press 1 to download the load files to this node. The *Restore Loads Menu* displays.

The following warning message may display:

```
                *** WARNING ***
This MS2010 node is currently not locked. Any .cmp
file reloads or soft resets performed will drop the
active calls. If you would like to lock the node,
return to the Maintenance and Configuration Menu and
select the menu option "Lock or Unlock this node".
Press <enter> to continue
```

Note: If the node is currently locked, refer to the procedures for locking a node located in this document before continuing.

9 Press enter. The *Restore Loads Menu* displays.

```
*** Restore Loads Menu MS2010 at 172.17.40.230 ***
1) Download load image (.cmp) and configuration file
   (.ini)
2) Download load image (.cmp) file
3) Download configuration (.ini) file
4) Download call progress tones (.dat) file
x) EXIT
Enter selection (1 - 4, x)
```

10 Select the number corresponding to the types of load files you are restoring.

11 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

12 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

13 Enter exit to close the telnet session.

14 You have completed this procedure.

Backing up INI files to a Media Server 2000 series node

This procedure enables you to back up INI files to a Media Server 2000 series node.

Note: This procedure pertains to both the Media Server 2010 and the Media Server 2020. The example screens in this procedure show a Media Server 2010. The Media Server displays either the MS 2010 or MS2020 in the title depending on the IP you entered.

At the Windows desktop interface

1. Open a telnet connection to the CS 2000 Management Tool.
2. Log in with the appropriate user name.

   Note: The user name must be a member of the “succssn” and “emsadm” groups.
3. Invoke the MS 2000 Series CLUI by entering the following on the command line:

   `/opt/nortel/NTsesm/bin/ms2000.sh`
4. When prompted, enter the appropriate user name and password.

   The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5. Enter 2 to access Node Maintenance and Configuration menu.
6. When prompted, enter the IP address of the Media Server node.

   The *Main Menu* displays.

```
*** Main Menu for MS2010 at 172.17.40.230 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
```

```
Enter selection (1 - 2, x)
```

7 Enter 1 to access the Maintenance Menu.

The *Maintenance Menu* displays.

```
*** Maintenance Menu for MS2010 at 172.17.40.230 ***
1) Download load files to this node
2) Backup the INI file for this node
3) Perform a soft reset for this node
4) Lock or Unlock this node
x) EXIT
Enter selection (1 - 4, x)
```

8 Press 2 to backup INI files for this node.

The following message displays:

```
Backup of .ini successful
Would you like to save file <date.time>.Board.ini to
the SDM/CBM now? (y/n)
```

9 Press y to save the file.

10 Follow the screen prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

11 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

12 Enter exit to close the telnet session.

13 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 series node.

Note 1: Executing a soft reset burns the current node configuration into flash and restarts the Media Server 2000 Series node.

Note 2: This procedure pertains to both the Media Server 2010 and the Media Server 2020. The example screens in this procedure show a Media Server 2010. The Media Server displays either the Media Server 2010 or Media Server 2020 in the title depending on the IP you entered.

At the Windows desktop interface

1 Open a telnet connection to the CS 2000 Management Tool.

2 Log in with the appropriate user name.

Note: The user name must be a member of the “succssn” and “emsadm” groups.

3 Invoke the MS 2000 Series CLUI by entering the following on the command line:

`/opt/nortel/NTsesm/bin/ms2000.sh`

4 When prompted, enter the appropriate user name and password.

The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5 Enter 2 to access Node Maintenance and Configuration menu.

6 When prompted, enter the IP address of the Media Server node.

The *Main Menu* displays.

```
*** Main Menu for MS2010 at 172.17.40.230 ***
1) Maintenance Menu
```

```
2) Configuration Menu
x) EXIT
Enter selection (1 - 2, x)
```

7 Enter 1 to access the Maintenance Menu.

The *Maintenance Menu* displays.

```
*** Maintenance Menu for MS2010 at 172.17.40.230 ***
1) Download load files to this node
2) Backup the INI file for this node
3) Perform a soft reset for this node
4) Lock or Unlock this node
x) EXIT
Enter selection (1 - 4, x)
```

8 Press 3 to perform a soft reset for this node.

The following warning message displays:

```
                    *** WARNING ***
A soft reset of the node will take it out of service
for up to several minutes.
Perform Soft Reset? (y/n)
```

9 Press y to perform a soft reset on this node.

10 Follow the prompts to return (exit) to the *Media Server 2000 Series CLUI Main Menu*.

11 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

12 Enter exit to close the telnet session.

13 You have completed this procedure.

Performing a Graceful Lock of a Media Server 2000 series node

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

Note: This procedure pertains to both the Media Server 2010 and the Media Server 2020. The example screens in this procedure show a Media Server 2010. The Media Server displays either the MS 2010 or MS2020 in the title depending on the IP you entered.

At the Windows desktop interface

1. Open a telnet connection to the CS 2000 Management Tool.
2. Log in with the appropriate user name.

   Note: The user name must be a member of the “succssn” and “emsadm” groups.
3. Invoke the MS 2000 Series CLUI by entering the following on the command line:

   `/opt/nortel/NTsesm/bin/ms2000.sh`
4. When prompted, enter the appropriate user name and password.

   The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5. Enter 2 to access Node Maintenance and Configuration menu.
6. When prompted, enter the IP address of the Media Server node.

   The *Main Menu* displays.

```
*** Main Menu for MS2010 at 172.17.40.230 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
```

```
Enter selection (1 - 2, x)
```

7 Enter 1 to access the Maintenance Menu.

The *Maintenance Menu* displays.

```
*** Maintenance Menu for MS2010 at 172.17.40.230 ***
1) Download load files to this node
2) Backup the INI file for this node
3) Perform a soft reset for this node
4) Lock or Unlock this node
x) EXIT
Enter selection (1 - 4, x)
```

8 Press 4 to enter the Lock or Unlock menu.

The *Lock Menu* displays:

```
*** Lock Menu for MS2010 at 172.17.40.230 ***
*** Current State : unlocked(2)
1) Graceful Lock Node
2) Force Lock Node
3) Unlock Node
     x) EXIT
Enter selection (1 - 3, x)
```

9 Press 1 to perform a graceful lock on this node.

The following warning message displays:

```
                    *** WARNING ***
Performing a graceful lock on the node will take it
out of service after any active calls have completed.
Perform graceful lock? (y/n)
```

10 Press y to perform a graceful lock on this node.

11 Follow the prompts to return (exit) to the *Media Server 2000 Series CLUI Main Menu*.

12 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

13 Enter exit to close the telnet session.

14 You have completed this procedure.

Performing a Force Lock of a Media Server 2000 series node

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

Note: This procedure pertains to both the Media Server 2010 and the Media Server 2020. The example screens in this procedure show a Media Server 2010. The Media Server displays either the MS 2010 or MS2020 in the title depending on the IP you entered.

At the Windows desktop interface

1. Open a telnet connection to the CS 2000 Management Tool.
2. Log in with the appropriate user name.

   Note: The user name must be a member of the “succssn” and “emsadm” groups.
3. Invoke the MS 2000 Series CLUI by entering the following on the command line:

   `/opt/nortel/NTsesm/bin/ms2000.sh`
4. When prompted, enter the appropriate user name and password.

   The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5. Enter 2 to access Node Maintenance and Configuration menu.
6. When prompted, enter the IP address of the Media Server node.

   The *Main Menu* displays.

```
*** Main Menu for MS2010 at 172.17.40.230 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
```

```
Enter selection (1 - 2, x)
```

7 Enter 1 to access the Maintenance Menu.

The *Maintenance Menu* displays.

```
*** Maintenance Menu for MS2010 at 172.17.40.230 ***
1) Download load files to this node
2) Backup the INI file for this node
3) Perform a soft reset for this node
4) Lock or Unlock this node
x) EXIT
Enter selection (1 - 4, x)
```

8 Press 4 to enter the Lock or Unlock menu.

The *Lock Menu* displays:

```
*** Lock Menu for MS2010 at 172.17.40.230 ***
*** Current State : unlocked(2)
1) Graceful Lock Node
2) Force Lock Node
3) Unlock Node
     x) EXIT
Enter selection (1 - 3, x)
```

9 Press 2 to perform a force lock on this node.

The following warning message displays:

```
                    *** WARNING ***
Performing a forced lock on the node will take it out
of service immediately. Active calls will be dropped!
Perform forced lock? (y/n)
```

10 Press y to perform a force lock on this node.

11 Follow the prompts to return (exit) to the *Media Server 2000 Series CLUI Main Menu*.

12 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

13 Enter exit to close the telnet session.

14 You have completed this procedure.

Unlocking a Media Server 2000 series node

This procedure enables you to unlock a Media Server 2000 series node.

Note: This procedure pertains to both the Media Server 2010 and the Media Server 2020. The example screens in this procedure show a Media Server 2010. The Media Server displays either the MS 2010 or MS2020 in the title depending on the IP you entered.

At the Windows desktop interface

1. Open a telnet connection to the CS 2000 Management Tool.
2. Log in with the appropriate user name.

   Note: The user name must be a member of the “succssn” and “emsadm” groups.
3. Invoke the MS 2000 Series CLUI by entering the following on the command line:

   `/opt/nortel/NTsesm/bin/ms2000.sh`
4. When prompted, enter the appropriate user name and password.

   The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5. Enter 2 to access Node Maintenance and Configuration menu.
6. When prompted, enter the IP address of the Media Server node.

   The *Main Menu* displays.

```
*** Main Menu for MS2010 at 172.17.40.230 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
```

```
Enter selection (1 - 2, x)
```

7 Enter 1 to access the Maintenance Menu.

The *Maintenance Menu* displays.

```
*** Maintenance Menu for MS2010 at 172.17.40.230 ***
1) Download load files to this node
2) Backup the INI file for this node
3) Perform a soft reset for this node
4) Lock or Unlock this node
x) EXIT
Enter selection (1 - 4, x)
```

8 Press 4 to enter the Lock or Unlock menu.

The *Lock Menu* displays:

```
*** Lock Menu for MS2010 at 172.17.40.230 ***
*** Current State : locked(0)
     1) Graceful Lock Node
     2) Force Lock Node
     3) Unlock Node
     x) EXIT
     Enter selection (1 - 3, x)
```

9 Press 3 to unlock this node.

The following message displays:

```
MS2010 node state set to Unlocked
*** Lock Menu for MS2010 at 172.17.40.230 ***
*** Current State : unlocked(2)
     1) Graceful Lock Node
     2) Force Lock Node
     3) Unlock Node
     x) EXIT
     Enter selection (1 - 3, x)
```

10 Follow the prompts to return (exit) to the *Media Server 2000 Series CLUI Main Menu*.

11 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

12 Enter exit to close the telnet session.

13 You have completed this procedure.

Listing an SVC profile table for a Media Server 2020 node

This procedure enables you to list an SVC profile table for a Media Server 2020 node.

At the Windows desktop interface

1 Open a telnet connection to the CS 2000 Management Tool.

2 Log in with the appropriate user name.

Note: The user name must be a member of the “succssn” and “emsadm” groups.

3 Invoke the MS 2000 Series CLUI by entering the following on the command line:

`/opt/nortel/NTsesm/bin/ms2000.sh`

4 When prompted, enter the appropriate user name and password.

The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5 Enter 2 to access Node Maintenance and Configuration menu.

6 When prompted, enter the IP address of the Media Server node.

The *Main Menu* displays.

```
*** Main Menu for MS2020 at 172.17.40.221 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *AAL2 Main Configuration Menu* displays.

```
*** AAL2 Main Configuration Menu for MS2020 at
     172.17.40.221 ***
1)  Display this nodes current configuration
2)  General node configuration
3)  Configure Network Time settings
4)  SNMP configuration and security
5)  Configure ATM loopback table
6)  Display SVC Connection table
7)  Configure ATM port table
8)  Configure Remote Gateway table
9)  Configure AAL2 PVC table
10) Configure SVC Profile table
x)  EXIT
Enter selection (1 - 10, x)
```

8 Press 10 to access the SVC profile configuration menu.

The *SVC Profile Configuration Menu* displays.

```
***** SVC Profile Configuration Menu for MS2020 at
     172.17.40.221 *****
1) List SVC table
2) Edit SVC entry
x) EXIT
Enter selection (1 - 2, x)
```

9 Enter 1 to list the SVC profile table. The SVC profile table displays followed by the *SVC Profile Configuration Menu*.

```
*** SVC Profile Table for MS2020 at 172.17.40.221 ***
     Table Entry 1
     *************
     Is Profile used        : yes (1)
     Profile Index          : 1
     Maximum # of CIDs      : 4
     PCR                    : 800
     SCR                    : 800
```

```
     MBS                       : 1
     Persistence               : 180
     Service Category          : rtVbr(2)
***** SVC Profile Configuration Menu for MS2020 at
     172.17.40.221 *****
1) List SVC table
2) Edit SVC entry
x) EXIT
Enter selection (1 - 2, x)
```

10 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

11 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

12 Enter exit to close the telnet session.

13 You have completed this procedure.

Editing an SVC profile entry for a Media Server 2020 node

This procedure enables you to edit an SVC profile entry for a Media Server 2020 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.

At the Windows desktop interface

1. Open a telnet connection to the CS 2000 Management Tool.
2. Log in with the appropriate user name.

   Note: The user name must be a member of the “succssn” and “emsadm” groups.
3. Invoke the MS 2000 Series CLUI by entering the following on the command line:

   `/opt/nortel/NTsesm/bin/ms2000.sh`
4. When prompted, enter the appropriate user name and password.

   The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5. Enter 2 to access Node Maintenance and Configuration menu.
6. When prompted, enter the IP address of the Media Server node.

   The *Main Menu* displays.

```
*** Main Menu for MS2020 at 172.17.40.221 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
```

```
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *AAL2 Main Configuration Menu* displays.

```
*** AAL2 Main Configuration Menu for MS2020 at
     172.17.40.221 ***

1)  Display this nodes current configuration

2)  General node configuration

3)  Configure Network Time settings

4)  SNMP configuration and security

5)  Configure ATM loopback table

6)  Display SVC Connection table

7)  Configure ATM port table

8)  Configure Remote Gateway table

9)  Configure AAL2 PVC table

10) Configure SVC Profile table

x)  EXIT

Enter selection (1 - 10, x)
```

8 Press 10 to access the SVC profile configuration menu.

The *SVC Profile Configuration Menu* displays.

```
***** SVC Profile Configuration Menu for MS2020 at
      172.17.40.221 *****

1) List SVC table

2) Edit SVC entry

x) EXIT

Enter selection (1 - 2, x)
```

9 Enter 2 to edit the SVC profile entry. The following message displays:

```
Enter the SVC Profile index you wish to edit, '?' for
help or return to exit.

*** Edit SVC Profile Entry for MS2020 at
172.17.40.221 1 ***

Enter the desired value at the prompt. The current
setting is displayed in brackets. To chose the
current setting press Enter. Enter '?' for help with
the format.
```

The current configuration displays, one item at a time, allowing you to change any of the settings. Follow the prompts to accept the current settings or enter new settings.

Note: The following example shows the screen output when the default settings are accepted and no changes are made.

Example

```
Is SVC Profile Used [yes(1)]
>
Using current value yes(1)

Maximum # of CIDs [4]
>
Using current value 4

Service Category: [rtVbr(2)]
>
Using current value rtVbr(2)

PCR [800]
>
Using current value 800

Persistence [180]
>
Using current value 180

Would you like to write these values to the MS2020?
(y/n)
>
```

10 Enter y to write the values to the MS2020.

The *SVC Profile Configuration Menu* displays.

```
***** SVC Profile Configuration Menu for MS2020 at
     172.17.40.221 *****
```

```
1) List SVC table
2) Edit SVC entry
x) EXIT
Enter selection (1 - 2, x)
```

11 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

12 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

13 Enter exit to close the telnet session.

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.

14 You have completed this procedure.

Displaying Media Server 2010 node current configuration

This procedure enables you to display the current configuration of the Media Server 2010 node.

At the Windows desktop interface

1 Open a telnet connection to the CS 2000 Management Tool.

2 Log in with the appropriate user name.

Note: The user name must be a member of the “succssn” and “emsadm” groups.

3 Invoke the MS 2000 Series CLUI by entering the following on the command line:

`/opt/nortel/NTsesm/bin/ms2000.sh`

4 When prompted, enter the appropriate user name and password.

The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5 Enter 2 to access Node Maintenance and Configuration menu.

6 When prompted, enter the IP address of the Media Server node.

The *Main Menu* displays.

```
*** Main Menu for MS2010 at 172.17.40.230 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *Main Configuration Menu* displays.

```
*Main Configuration Menu for MS2010 at 172.17.40.230*
1) Display this nodes current configuration
2) General node configuration
3) Configure Network Time settings
4) SNMP configuration and security
x) EXIT
Enter selection (1 - 4, x)
```

8 Press 1 to display the current configuration for this node.

The current configuration datafill displays:

Example

```
*Current configuration for MS2010 at 172.17.40.230*
IP Address                        : 172.17.40.230
Subnet Address                    : 255.255.248.0
Default Gateway                   : 172.17.40.1
MG Control Protocol               : controlPtotocol-MEGACO(2)
Software Version                  : 4.40.9.14
Lock State                        : unlocked(2)
Megaco Call Agent IP Address      : 172.17.40.36
Is Megaco Call Agent Used         : yes(1)
Number of Conference Ports        : 60
Number of TestTrunk Ports         : 2
Number of Lawful Intercept Ports  : 8
Number of Announcement Ports      : 50
APS IP Address                    : 47.142.89.70
Primary Language                  : isoLangEnglish(2)
Secondary Language                : isoLangEnglish(2)
Syslog Server IP                  : 47.142.89.221
Press <enter> to continue
```

9 Press enter. The *Main Configuration Menu* displays.

```
*Main Configuration Menu for MS2010 at 172.17.40.230*
1) Display this nodes current configuration
2) General node configuration
3) Configure Network Time settings
4) SNMP configuration and security
```

```
x) EXIT
Enter selection (1 - 4, x)
```

10 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

11 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

12 Enter exit to close the telnet session.

13 You have completed this procedure.

Displaying Media Server 2020 node current configuration

This procedure enables you to display the current configuration of the Media Server 2020 node.

At the Windows desktop interface

1 Open a telnet connection to the CS 2000 Management Tool.

2 Log in with the appropriate user name.

Note: The user name must be a member of the “succssn” and “emsadm” groups.

3 Invoke the MS 2000 Series CLUI by entering the following on the command line:

`/opt/nortel/NTsesm/bin/ms2000.sh`

4 When prompted, enter the appropriate user name and password.

The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5 Enter 2 to access Node Maintenance and Configuration menu.

6 When prompted, enter the IP address of the Media Server node.

The *Main Menu* displays.

```
*** Main Menu for MS2020 at 172.17.40.221 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *AAL2 Main Configuration Menu* displays.

```
*** AAL2 Main Configuration Menu for MS2020 at
     172.17.40.221 ***
1)  Display this nodes current configuration
2)  General node configuration
3)  Configure Network Time settings
4)  SNMP configuration and security
5)  Configure ATM loopback table
6)  Display SVC Connection table
7)  Configure ATM port table
8)  Configure Remote Gateway table
9)  Configure AAL2 PVC table
10) Configure SVC Profile table
x)  EXIT
Enter selection (1 - 10, x)
```

8 Press 1 to display the current configuration for this node.

The current configuration datafill displays:

Example

```
*Current configuration for MS2020 at 172.17.40.221*
IP Address                        : 172.17.40.221
Subnet Address                    : 255.255.248.0
Default Gateway                   : 172.17.40.1
MG Control Protocol               : controlPtotocol-MEGACO(2)
Software Version                  : 4.40.0.1
Lock State                        : unlocked(2)
Megaco Call Agent IP Address      : 172.17.40.68
Is Megaco Call Agent Used         : yes(1)
Number of Conference Ports        : 30
Number of TestTrunk Ports         : 30
Number of Lawful Intercept Ports  : 30
Number of Announcement Ports      : 30
APS IP Address                    : 47.142.89.70
Primary Language                  : isoLangEnglish(2)
Secondary Language                : isoLangEnglish(2)
Syslog Server IP                  : 47.142.89.27
```

```
ATM Default Application Type     : aal2-i-366-2(2)
Transmission mode                : sonet(1)
Press <enter> to continue
```

9 Press enter. The *AAL2 Main Configuration Menu* displays.

```
*** AAL2 Main Configuration Menu for MS2020 at
     172.17.40.221 ***
1)  Display this nodes current configuration
2)  General node configuration
3)  Configure Network Time settings
4)  SNMP configuration and security
5)  Configure ATM loopback table
6)  Display SVC Connection table
7)  Configure ATM port table
8)  Configure Remote Gateway table
9)  Configure AAL2 PVC table
10) Configure SVC Profile table
x)  EXIT
Enter selection (1 - 10, x)
```

10 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

11 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

12 Enter exit to close the telnet session.

13 You have completed this procedure.

Configuring a Media Server 2010 node

This procedure enables you to change the configuration setting for a Media Server 2010 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.

At the Windows desktop interface

1. Open a telnet connection to the CS 2000 Management Tool.
2. Log in with the appropriate user name.

   Note: The user name must be a member of the “succssn” and “emsadm” groups.
3. Invoke the MS 2000 Series CLUI by entering the following on the command line:

   `/opt/nortel/NTsesm/bin/ms2000.sh`
4. When prompted, enter the appropriate user name and password.

   The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5. Enter 2 to access Node Maintenance and Configuration menu.
6. When prompted, enter the IP address of the Media Server node.

   The *Main Menu* displays.

```
*** Main Menu for MS2010 at 172.17.40.230 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
```

```
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *Main Configuration Menu* displays.

```
*Main Configuration Menu for MS2010 at 172.17.40.230*
1) Display this nodes current configuration
2) General node configuration
3) Configure Network Time settings
4) SNMP configuration and security
x) EXIT
Enter selection (1 - 4, x)
```

8 Press 2 to change the current configuration for this node.

The current configuration displays, one item at a time, allowing you to change any of the settings. Follow the prompts to accept the current settings or enter new settings.

Note: The following example shows the screen output when the default settings are accepted and no changes are made.

Example

```
*** Configuring MS2010 at 172.17.40.230 ***
Enter the desired value at the prompt. The current
setting is displayed in brackets. To chose the
default setting press Enter. Enter '?' for help with
the format.
Megaco Call Agent IP Address [172.17.40.36]
>
Using current value 172.17.40.36
Number of Conference Ports [60]
NOTE: This is a 120 port node and there are 120 ports
left to assign
>
Using current value 60
Number of TestTrunk Ports [2]
NOTE: This is a 120 port node and there are 60 ports
left to assign
>
```

```
Using current value 2

Number of Lawful Intercept Ports [8]

NOTE: This is a 120 port node and there are 58 ports
left to assign

     >
```

Note: If the Media Server 2000 Series system is to be 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 may be higher than the 1:2 ratio used on dedicated BCT only systems.

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.

```
Using current value 8

Number of Announcement Ports [50]

NOTE: This is a 120 port node and there are 50 ports
left to assign

>

Using current value 50

APS IP Address [47.142.89.70]

>

Using current value 47.142.89.70

Primary Language [isoLangEnglish(2)]

>

Using current value isoLangEnglish(2)

Secondary Language [isoLangEnglish(2)]

>

Using current value isoLangEnglish(2)
```

```
Syslog Server IP [47.142.89.221]
>
Using current value 47.142.89.221


Would you like to write these values to the MS2010
node? (y/n)
```

9 Press y to write the configuration values to the node, or press n to return to the Configuration menu.

The *Main Configuration Menu* displays.

```
*Main Configuration Menu for MS2010 at 172.17.40.230*
1) Display this nodes current configuration
2) General node configuration
3) Configure Network Time settings
4) SNMP configuration and security
x) EXIT
Enter selection (1 - 4, x)
```

10 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

11 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

12 Enter exit to close the telnet session.

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.

13 You have completed this procedure.

Configuring a Media Server 2020 node

This procedure enables you to change the configuration setting for a Media Server 2020 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.

At the Windows desktop interface

1. Open a telnet connection to the CS 2000 Management Tool.
2. Log in with the appropriate user name.

   Note: The user name must be a member of the “succssn” and “emsadm” groups.
3. Invoke the MS 2000 Series CLUI by entering the following on the command line:

   `/opt/nortel/NTsesm/bin/ms2000.sh`
4. When prompted, enter the appropriate user name and password.

   The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5. Enter 2 to access Node Maintenance and Configuration menu.
6. When prompted, enter the IP address of the Media Server node.

   The *Main Menu* displays.

```
*** Main Menu for MS2020 at 172.17.40.221 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
```

```
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *AAL2 Main Configuration Menu* displays.

```
*** AAL2 Main Configuration Menu for MS2020 at
     172.17.40.221 ***
1)  Display this nodes current configuration
2)  General node configuration
3)  Configure Network Time settings
4)  SNMP configuration and security
5)  Configure ATM loopback table
6)  Display SVC Connection table
7)  Configure ATM port table
8)  Configure Remote Gateway table
9)  Configure AAL2 PVC table
10) Configure SVC Profile table
x)  EXIT
Enter selection (1 - 10, x)
```

8 Press 2 to change the current configuration for this node.

The current configuration displays, one item at a time, allowing you to change any of the settings. Follow the prompts to accept the current settings or enter new settings.

Note: The following example shows the screen output when the default settings are accepted and no changes are made.

Example

```
*** Configuring MS2020 at 172.17.40.221 ***
Enter the desired value at the prompt. The current
setting is displayed in brackets. To chose the
default setting press Enter. Enter '?' for help with
the format.
Megaco Call Agent IP Address [172.17.40.68]
>
Using current value 172.17.40.68
Number of Conference Ports [30]
```

```
NOTE: This is a 480 port node and there are 480 ports
left to assign

>

Using current value 30

Number of TestTrunk Ports [30]

NOTE: This is a 480 port node and there are 450 ports
left to assign

>

Using current value 30

Number of Lawful Intercept Ports [30]

NOTE: This is a 480 port node and there are 420 ports
left to assign

>
```

Note: If the Media Server 2000 Series system is to be 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 may be higher than the 1:2 ratio used on dedicated BCT only systems.

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.

```
     Using current value 30

Number of Announcement Ports [30]

NOTE: This is a 480 port node and there are 390 ports
left to assign

>

Using current value 30

APS IP Address [47.142.89.70]

>
```

```
Using current value 47.142.89.70
Primary Language [isoLangEnglish(2)]
>
Using current value isoLangEnglish(2)
Secondary Language [isoLangEnglish(2)]
>
Using current value isoLangEnglish(2)
Syslog Server IP [47.142.89.27]
>
Using current value 47.142.89.27
Transmission mode [sonet(1)]
>
Using current value sonet(1)


Would you like to write these values to the MS2020
node? (y/n)
```

9 Press y to write the configuration values to the node, or enter n to return to the AAL2 Main Configuration menu.

The *AAL2 Main Configuration Menu* displays.

```
*** AAL2 Main Configuration Menu for MS2020 at
     172.17.40.221 ***
1)  Display this nodes current configuration
2)  General node configuration
3)  Configure Network Time settings
4)  SNMP configuration and security
5)  Configure ATM loopback table
6)  Display SVC Connection table
7)  Configure ATM port table
8)  Configure Remote Gateway table
9)  Configure AAL2 PVC table
10) Configure SVC Profile table
x)  EXIT
Enter selection (1 - 10, x)
```

10 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

11 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

12 Enter exit to close the telnet session.

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.

13 You have completed this procedure.

Configuring network time settings for a Media Server 2010 node

This procedure enables you to configure the Network Time settings for a Media Server 2010 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.

At the Windows desktop interface

1. Open a telnet connection to the CS 2000 Management Tool.
2. Log in with the appropriate user name.

   Note: The user name must be a member of the “succssn” and “emsadm” groups.
3. Invoke the MS 2000 Series CLUI by entering the following on the command line:

   `/opt/nortel/NTsesm/bin/ms2000.sh`
4. When prompted, enter the appropriate user name and password.

   The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5. Enter 2 to access Node Maintenance and Configuration menu.
6. When prompted, enter the IP address of the Media Server node.

   The *Main Menu* displays.

```
*** Main Menu for MS2010 at 172.17.40.230 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
```

```
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *Main Configuration Menu* displays.

```
*Main Configuration Menu for MS2010 at 172.17.40.230*
1) Display this nodes current configuration
2) General node configuration
3) Configure Network Time settings
4) SNMP configuration and security
x) EXIT
Enter selection (1 - 4, x)
```

8 Press 3 to change the Network Time settings for this node.

The Network Time settings display, one item at a time, allowing you to change any of the settings. Follow the prompts to accept the current setting or enter new settings.

Note: The following example shows the screen output when the default settings are accepted and no changes are made.

Example

```
*** NTP configuration for MS2010 at 172.17.40.230 ***
Enter the desired value at the prompt. The current
setting is displayed in brackets. To chose the
default setting press Enter. Enter '?' for help with
the format.
NTP Server Address [0.0.0.0]
>
Using current value 0.0.0.0
NTP time to offset [0]
```

Note: This is the offset from Greenwich Mean Time (GMT). For example, enter -5 for the US Eastern time zone which is 5 hours behind GMT.

```
>
Using current value 0
NTP Update Interval[86400]
```

Note: The update interval is measured in seconds. For this example the update is occurring every 24 hours.

```
>

Using current value 86400

Would you like to write these values to the MS2010
node? (y/n)

>
```

9 Press y to write the configuration values to the node, or enter n to return to the Main Configuration menu.

When you press y, the following message displays.

```
Would you like to store the changes by backing up the
INI file now? (y/n)

>
```

10 Press y to backup the INI file, or enter n to return to the Main Configuration menu.

The *Main Configuration Menu* displays.

```
*Main Configuration Menu for MS2010 at 172.17.40.230*

     1) Display this nodes current configuration

     2) General node configuration

     3) Configure Network Time settings

     4) SNMP configuration and security

     x) EXIT

     Enter selection (1 - 4, x)
```

11 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

12 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

13 Enter exit to close the telnet session.

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.

14 You have completed this procedure.

Configuring network time settings for a Media Server 2020 node

This procedure enables you to configure the Network Time settings for a Media Server 2020 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.

At the Windows desktop interface

1. Open a telnet connection to the CS 2000 Management Tool.
2. Log in with the appropriate user name.

   Note: The user name must be a member of the “succssn” and “emsadm” groups.
3. Invoke the MS 2000 Series CLUI by entering the following on the command line:

   `/opt/nortel/NTsesm/bin/ms2000.sh`
4. When prompted, enter the appropriate user name and password.

   The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5. Enter 2 to access Node Maintenance and Configuration menu.
6. When prompted, enter the IP address of the Media Server node.

   The *Main Menu* displays.

```
*** Main Menu for MS2020 at 172.17.40.221 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
```

```
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *AAL2 Main Configuration Menu* displays.

```
*** AAL2 Main Configuration Menu for MS2020 at
     172.17.40.221 ***
1)  Display this nodes current configuration
2)  General node configuration
3)  Configure Network Time settings
4)  SNMP configuration and security
5)  Configure ATM loopback table
6)  Display SVC Connection table
7)  Configure ATM port table
8)  Configure Remote Gateway table
9)  Configure AAL2 PVC table
10) Configure SVC Profile table
x)  EXIT
Enter selection (1 - 10, x)
```

8 Press 3 to change the Network Time settings for this node.

The Network Time settings display, one item at a time, allowing you to change any of the settings. Follow the prompts to accept the current setting or enter new settings.

Note: The following example shows the screen output when the default settings are accepted and no changes are made.

Example

```
*** NTP configuration for MS2020 at 172.17.40.221 ***
Enter the desired value at the prompt. The current
setting is displayed in brackets. To chose the
default setting press Enter. Enter '?' for help with
the format.
NTP Server Address [0.0.0.0]
>
Using current value 0.0.0.0
NTP time to offset [0]
```

Note: This is the offset from Greenwich Mean Time (GMT). For example, enter -5 for the US Eastern time zone which is 5 hours behind GMT.

```
>
Using current value 0
NTP Update Interval[86400]
```

Note: The update interval is measured in seconds. For this example the update is occurring every 24 hours.

```
>
Using current value 86400
Would you like to write these values to the MS2020
node? (y/n)
```

9 Press y to write the configuration values to the node, or enter n to return to the AAL2 Main Configuration menu.

When you press y, the following message displays.

```
Would you like to store the changes by backing up the
INI file now? (y/n)
>
```

10 Press y to backup the INI file, or enter n to return to the AAL2 Main Configuration menu. The *AAL2 Main Configuration Menu* displays.

```
*** AAL2 Main Configuration Menu for MS2020 at
     172.17.40.221 ***
1)  Display this nodes current configuration
2)  General node configuration
3)  Configure Network Time settings
4)  SNMP configuration and security
5)  Configure ATM loopback table
6)  Display SVC Connection table
7)  Configure ATM port table
8)  Configure Remote Gateway table
9)  Configure AAL2 PVC table
10) Configure SVC Profile table
x)  EXIT
Enter selection (1 - 10, x)
```

11 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

12 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

13 Enter exit to close the telnet session.

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.

14 You have completed this procedure.

Setting trusted SNMP managers for a Media Server 2010 node

This procedure enables you to set the trusted SNMP managers for a Media Server 2010 node.

Note: After making trusted manager changes, execute a soft reset of the Media Server to burn the new configuration to flash memory. (The software prompts you to perform a soft reset after you have added trusted managers.)

CAUTION

The first trusted SNMP manager needs to be the IP address of the SSPFS server from which you launched the Media Server 2000 CLUI. If you do not set CLUI's IP address as a trusted manager, you will not be able to access the node after the change.

The second trusted SNMP manager needs to be the IP address of the IEMS server. In order for proper operation with IEMS, you must set the IP address of the IEMS server as the second trusted manager.

At the Windows desktop interface

1 Open a telnet connection to the CS 2000 Management Tool.

2 Log in with the appropriate user name.

Note: The user name must be a member of the "succssn" and "emsadm" groups.

3 Invoke the MS 2000 Series CLUI by entering the following on the command line:

`/opt/nortel/NTsesm/bin/ms2000.sh`

4 When prompted, enter the appropriate user name and password.

The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
```

```
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5 Enter 2 to access Node Maintenance and Configuration menu.

6 When prompted, enter the IP address of the Media Server node.

The *Main Menu* displays.

```
*** Main Menu for MS2010 at 172.17.40.230 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *Main Configuration Menu* displays.

```
*Main Configuration Menu for MS2010 at 172.17.40.230*
1) Display this nodes current configuration
2) General node configuration
3) Configure Network Time settings
4) SNMP configuration and security
x) EXIT
Enter selection (1 - 4, x)
```

8 Press 4 to access the SNMP configuration and security menu.

The *SNMP Configuration and Password Management Menu* displays.

```
*** SNMP Configuration and Password Menu for MS2010
     at 172.17.40.230 ***
1) Setup Trusted SNMP Managers
2) Configuring SNMP Trap Destinations
3) Change SNMP Community String password
4) Change File Upload and Download user and password
?) Help
x) EXIT
Enter selection (1 - 4, ?, x)
```

9 Press 1 to set the trusted SNMP managers for this node.

The *Trusted Mangers Configuration Menu* displays.

```
*** Trusted Mangers Configuration Menu for MS2010 at
     172.17.40.230 ***

1) List configured trusted managers

2) Add a trusted manager

3) Delete a trusted manager

?) Help

x) EXIT

Enter selection (1 - 3, ?, x)
```

10

CAUTION

The first trusted SNMP manager needs to be the IP address of the SSPFS server from which you launched the Media Server 2000 CLUI. If you do not set CLUI's IP address as a trusted manager, you will not be able to access the node after the change.

The second trusted SNMP manager needs to be the IP address of the IEMS server. In order for proper operation with IEMS, you must set the IP address of the IEMS server as the second trusted manager.

Press 2, and input the IP address of the SESM/SSPFS server used to launched the Media Server 2000 CLUI as the first trusted manager. Then set the IP address of the IEMS server as the second trusted manager. After the SESM/SSPFS ans IEMS servers are set as trusted managers, set other trusted managers that require access to the node. You may have up to five trusted managers.

The following messages display.

```
*** Adding new Trusted Manager Entry for
     172.18.96.231 ***

Enter the desired value at the prompt. Enter '?' for
help with the format or carriage return to exit from
the add entry

Enter the IP address of the node that you would like
to set up as a Trusted Manager.

>
```

11 Enter the IP of the trusted manager. The following message displays.

```
Would you like to add this Trusted Manager to the
MS2010 node? (y/n)

>
```

12 Enter y to add the IP as a trusted manager. The following message displays.

```
          *** NOTE ***

The changes that have been made to the MS2010 require
a soft reset of the node in order for the changes to
take effect. A soft reset of the node will take it
out of service for several minutes.

Perform soft reset now? (y/n)

>
```

13 Press y perform a soft reset. The following message displays.

```
Soft Reset sent to MS2010 node

Press <enter> to continue

>
```

14 Press Enter. The following message displays.

```
Would you like to store the changes by backing up the
INI file now? (y/n)

>
```

15 Press y to backup the INI file.

The *Trusted Mangers Configuration Menu* displays.

```
*** Trusted Mangers Configuration Menu for MS2010 at
     172.17.40.230 ***

1) List configured trusted managers

2) Add a trusted manager

3) Delete a trusted manager

?) Help

x) EXIT

Enter selection (1 - 3, ?, x)
```

16 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

17 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

18 Enter exit to close the telnet session.

19 You have completed this procedure.

Setting trusted SNMP managers for a Media Server 2020 node

This procedure enables you to set the trusted SNMP managers for a Media Server 2020 node.

Note: After making trusted manager changes, execute a soft reset of the Media Server to burn the new configuration to flash memory. (The software prompts you to perform a soft reset after you have added trusted managers.)

CAUTION

The first trusted SNMP manager needs to be the IP address of the SSPFS server from which you launched the Media Server 2000 CLUI. If you do not set CLUI's IP address as a trusted manager, you will not be able to access the node after the change.

The second trusted SNMP manager needs to be the IP address of the IEMS server. In order for proper operation with IEMS, you must set the IP address of the IEMS server as the second trusted manager.

At the Windows desktop interface

1 Open a telnet connection to the CS 2000 Management Tool.

2 Log in with the appropriate user name.

Note: The user name must be a member of the "succssn" and "emsadm" groups.

3 Invoke the MS 2000 Series CLUI by entering the following on the command line:

`/opt/nortel/NTsesm/bin/ms2000.sh`

4 When prompted, enter the appropriate user name and password.

The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
```

```
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5 Enter 2 to access Node Maintenance and Configuration menu.

6 When prompted, enter the IP address of the Media Server node.

The *Main Menu* displays.

```
*** Main Menu for MS2020 at 172.17.40.221 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *AAL2 Main Configuration Menu* displays.

```
*** AAL2 Main Configuration Menu for MS2020 at
     172.17.40.221 ***
1)  Display this nodes current configuration
2)  General node configuration
3)  Configure Network Time settings
4)  SNMP configuration and security
5)  Configure ATM loopback table
6)  Display SVC Connection table
7)  Configure ATM port table
8)  Configure Remote Gateway table
9)  Configure AAL2 PVC table
10) Configure SVC Profile table
x)  EXIT
Enter selection (1 - 10, x)
```

8 Press 4 to access the SNMP configuration and security menu.

The *SNMP Configuration and Password Management Menu* displays.

```
*** SNMP Configuration and Password Menu for MS2020
     at 172.17.40.221 ***
1) Setup Trusted SNMP Managers
```

```
2) Configuring SNMP Trap Destinations
3) Change SNMP Community String password
4) Change File Upload and Download user and password
?) Help
x) EXIT
Enter selection (1 - 4, ?, x)
```

9 Press 1 to set the trusted SNMP managers for this node.

The *Trusted Mangers Configuration Menu* displays.

```
*** Trusted Mangers Configuration Menu for MS2020 at
     172.17.40.221 ***
1) List configured trusted managers
2) Add a trusted manager
3) Delete a trusted manager
?) Help
x) EXIT
Enter selection (1 - 3, ?, x)
```

10

CAUTION

The first trusted SNMP manager needs to be the IP address of the SSPFS server from which you launched the Media Server 2000 CLUI. If you do not set CLUI's IP address as a trusted manager, you will not be able to access the node after the change.

The second trusted SNMP manager needs to be the IP address of the IEMS server. In order for proper operation with IEMS, you must set the IP address of the IEMS server as the second trusted manager.

Press 2, and input the IP address of the SESM/SSPFS server used to launched the Media Server 2000 CLUI as the first trusted manager. Then set the IP address of the IEMS server as the second trusted manager. After the SESM/SSPFS ans IEMS servers are set as trusted managers, set other trusted managers that require access to the node. You may have up to five trusted managers.

The following messages display.

```
*** Adding new Trusted Manager Entry for
     172.17.40.221 ***

Enter the desired value at the prompt. Enter '?' for
help with the format or carriage return to exit from
the add entry

Enter the IP address of the node that you would like
to set up as a Trusted Manager.

>
```

11 Enter the IP of the trusted manager. The following message displays.

```
Would you like to add this Trusted Manager to the
MS2010 node? (y/n)

>
```

12 Enter y to add the IP as a trusted manager. The following message displays.

```
          *** NOTE ***

The changes that have been made to the MS2020 require
a soft reset of the node in order for the changes to
take effect. A soft reset of the node will take it
out of service for several minutes.

Perform soft reset now? (y/n)

>
```

13 Press y perform a soft reset. The following message displays.

```
Soft Reset sent to MS2020 node

Press <enter> to continue

>
```

14 Press Enter. The following message displays.

```
Would you like to store the changes by backing up the
INI file now? (y/n)

>
```

15 Press y to backup the INI file.

The *Trusted Mangers Configuration Menu* displays.

```
*** Trusted Mangers Configuration Menu for MS2020 at
     172.17.40.221 ***

1) List configured trusted managers
```

```
2) Add a trusted manager
3) Delete a trusted manager
?) Help
x) EXIT
Enter selection (1 - 3, ?, x)
```

16 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

17 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

18 Enter exit to close the telnet session.

19 You have completed this procedure.

Listing the trap destinations for a Media Server 2010 node

This procedure enables you to list the trap destinations for a Media Server 2010 node.

At the Windows desktop interface

1 Open a telnet connection to the CS 2000 Management Tool.

2 Log in with the appropriate user name.

Note: The user name must be a member of the “succssn” and “emsadm” groups.

3 Invoke the MS 2000 Series CLUI by entering the following on the command line:

`/opt/nortel/NTsesm/bin/ms2000.sh`

4 When prompted, enter the appropriate user name and password.

The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5 Enter 2 to access Node Maintenance and Configuration menu.

6 When prompted, enter the IP address of the Media Server node.

The *Main Menu* displays.

```
*** Main Menu for MS2010 at 172.17.40.230 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *Main Configuration Menu* displays.

```
*Main Configuration Menu for MS2010 at 172.17.40.230*
1) Display this nodes current configuration
2) General node configuration
3) Configure Network Time settings
4) SNMP configuration and security
x) EXIT
Enter selection (1 - 4, x)
```

8 Press 4 to access the SNMP configuration and security menu.

The *SNMP Configuration and Password Management Menu* displays.

```
*** SNMP Configuration and Password Menu for MS2010
     at 172.17.40.230 ***
1) Setup Trusted SNMP Managers
2) Configuring SNMP Trap Destinations
3) Change SNMP Community String password
4) Change File Upload and Download user and password
?) Help
x) EXIT
Enter selection (1 - 4, ?, x)
```

9 Press 2 to access the trap destinations configuration menu.

The *Trap Destinations Configuration Menu* displays.

```
*** Trap Destinations Configuration Menu for MS2010
     at 172.17.40.230 ***
1) List configured trap destinations
2) Add a trap destination
3) Delete a trap destination
?) Help
x) EXIT
Enter selection (1 - 3, ?, x)
```

10 Press 1 to list the configured trap destinations.

The *List of Trap Destinations* displays.

```
List of Trap Destinations
```

```
=========================
IP = 47.142.89.73  Port = 162
Press <enter> to continue
```

11 Press Enter to return to the trap destinations configuration menu.

The *Trap Destinations Configuration Menu* displays.

```
*** Trap Destinations Configuration Menu for MS2010
     at 172.17.40.230 ***
1) List configured trap destinations
2) Add a trap destination
3) Delete a trap destination
?) Help
x) EXIT
Enter selection (1 - 3, ?, x)
```

12 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

13 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

14 Enter exit to close the telnet session.

15 You have completed this procedure.

Listing the trap destinations for a Media Server 2020 node

This procedure enables you to list the trap destinations for a Media Server 2020 node.

At the Windows desktop interface

1 Open a telnet connection to the CS 2000 Management Tool.

2 Log in with the appropriate user name.

Note: The user name must be a member of the “succssn” and “emsadm” groups.

3 Invoke the MS 2000 Series CLUI by entering the following on the command line:

`/opt/nortel/NTsesm/bin/ms2000.sh`

4 When prompted, enter the appropriate user name and password.

The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5 Enter 2 to access Node Maintenance and Configuration menu.

6 When prompted, enter the IP address of the Media Server node.

The *Main Menu* displays.

```
*** Main Menu for MS2020 at 172.17.40.221 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *AAL2 Main Configuration Menu* displays.

```
*** AAL2 Main Configuration Menu for MS2020 at
     172.17.40.221 ***
1)  Display this nodes current configuration
2)  General node configuration
3)  Configure Network Time settings
4)  SNMP configuration and security
5)  Configure ATM loopback table
6)  Display SVC Connection table
7)  Configure ATM port table
8)  Configure Remote Gateway table
9)  Configure AAL2 PVC table
10) Configure SVC Profile table
x)  EXIT
Enter selection (1 - 10, x)
```

8 Press 4 to access the SNMP configuration and security menu.

The *SNMP Configuration and Password Management Menu* displays.

```
*** SNMP Configuration and Password Menu for MS2020
     at 172.17.40.221 ***
1) Setup Trusted SNMP Managers
2) Configuring SNMP Trap Destinations
3) Change SNMP Community String password
4) Change File Upload and Download user and password
?) Help
x) EXIT
Enter selection (1 - 4, ?, x)
```

9 Press 2 to access the trap destinations configuration menu.

The *Trap Destinations Configuration Menu* displays.

```
*** Trap Destinations Configuration Menu for MS2020
     at 172.17.40.221 ***
1) List configured trap destinations
2) Add a trap destination
```

```
3) Delete a trap destination
?) Help
x) EXIT
Enter selection (1 - 3, ?, x)
```

10 Press 1 to list the configured trap destinations.

The *List of Trap Destinations* displays.

```
List of Trap Destinations
=========================
IP = 47.142.89.73  Port = 162
Press <enter> to continue
```

11 Press Enter to return to the trap destinations configuration menu.

The *Trap Destinations Configuration Menu* displays.

```
*** Trap Destinations Configuration Menu for MS2020
     at 172.17.40.221 ***
1) List configured trap destinations
2) Add a trap destination
3) Delete a trap destination
?) Help
x) EXIT
Enter selection (1 - 3, ?, x)
```

12 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

13 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

14 Enter exit to close the telnet session.

15 You have completed this procedure.

Adding trap destinations for a Media Server 2010 node

This procedure enables you to add a trap destination for a Media Server 2010 node.

Note: After making trap destination changes, execute a soft reset of the Media Server to burn the new configuration to flash memory. (The software prompts you to perform a soft reset after you have added trap destinations.)

At the Windows desktop interface

1. Open a telnet connection to the CS 2000 Management Tool.
2. Log in with the appropriate user name.

   Note: The user name must be a member of the “succssn” and “emsadm” groups.
3. Invoke the MS 2000 Series CLUI by entering the following on the command line:

   `/opt/nortel/NTsesm/bin/ms2000.sh`
4. When prompted, enter the appropriate user name and password.

   The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5. Enter 2 to access Node Maintenance and Configuration menu.
6. When prompted, enter the IP address of the Media Server node.

   The *Main Menu* displays.

```
*** Main Menu for MS2010 at 172.17.40.230 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
```

```
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *Main Configuration Menu* displays.

```
*Main Configuration Menu for MS2010 at 172.17.40.230*
1) Display this nodes current configuration
2) General node configuration
3) Configure Network Time settings
4) SNMP configuration and security
x) EXIT
Enter selection (1 - 4, x)
```

8 Press 4 to access the SNMP configuration and security menu.

The *SNMP Configuration and Password Management Menu* displays.

```
*** SNMP Configuration and Password Menu for MS2010
     at 172.17.40.230 ***
1) Setup Trusted SNMP Managers
2) Configuring SNMP Trap Destinations
3) Change SNMP Community String password
4) Change File Upload and Download user and password
?) Help
x) EXIT
Enter selection (1 - 4, ?, x)
```

9 Press 2 to access the trap destinations configuration menu.

The *Trap Destinations Configuration Menu* displays.

```
*** Trap Destinations Configuration Menu for MS2010
     at 172.17.40.230 ***
1) List configured trap destinations
2) Add a trap destination
3) Delete a trap destination
?) Help
x) EXIT
Enter selection (1 - 3, ?, x)
```

Note: In the next step, you will add a trap destination. For SN07, use the IP address of the IEMS server as a trap destination.

10 Press 2 to add a trap destination.

The following is an example display:

Example

```
*Adding new Trap Destination Entry for 172.17.40.230*

Enter the desired value at the prompt. Enter '?' for
help with the format or carriage return to exit from
the add entry

Enter the IP address of the node that you would like
to set up as a Trap Destination.

>
```

11 Enter the IP of the node to set up as a trap destination, or press Enter to return to the trap destinations configuration menu.

When you enter the IP, the following message displays.

```
Enter the port or Return to exit.

>
```

12 Enter the port designation. The following message displays.

```
Would you like to add this Trap Destination to the
MS2010 node? (y/n)
>
```

13 Press y. The following message displays.

```
                          *** NOTE ***

The changes that have been made to the MS2010 require
a soft reset of the node in order for the changes to
take effect. A soft reset of the node will take it
out of service for several minutes.

Perform soft reset now? (y/n)

>
```

14 Press y to perform a soft reset. The following message displays.

```
Soft Reset sent to MS2010 node

Press <enter> to continue

Would you like to store the changes by backing up the
INI file now? (y/n)
```

```
>
```

15 Press y to backup the INI file, or press n to return to the trap destinations configuration menu.

The *Trap Destinations Configuration Menu* displays.

```
*** Trap Destinations Configuration Menu for MS2010
     at 172.17.40.230 ***

1) List configured trap destinations

2) Add a trap destination

3) Delete a trap destination

?) Help

x) EXIT

Enter selection (1 - 3, ?, x)
```

16 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

17 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

18 Enter exit to close the telnet session.

19 You have completed this procedure.

Adding a trap destination for a Media Server 2020 node

This procedure enables you to add trap destinations for a Media Server 2020 node.

Note: After making trap destination changes, execute a soft reset of the Media Server to burn the new configuration to flash memory. (The software prompts you to perform a soft reset after you have added trap destinations.)

At the Windows desktop interface

1 Open a telnet connection to the CS 2000 Management Tool.

2 Log in with the appropriate user name.

Note: The user name must be a member of the “succssn” and “emsadm” groups.

3 Invoke the MS 2000 Series CLUI by entering the following on the command line:

`/opt/nortel/NTsesm/bin/ms2000.sh`

4 When prompted, enter the appropriate user name and password.

The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5 Enter 2 to access Node Maintenance and Configuration menu.

6 When prompted, enter the IP address of the Media Server node.

The *Main Menu* displays.

```
*** Main Menu for MS2020 at 172.17.40.221 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
```

```
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *AAL2 Main Configuration Menu* displays.

```
*** AAL2 Main Configuration Menu for MS2020 at
     172.17.40.221 ***
1)  Display this nodes current configuration
2)  General node configuration
3)  Configure Network Time settings
4)  SNMP configuration and security
5)  Configure ATM loopback table
6)  Display SVC Connection table
7)  Configure ATM port table
8)  Configure Remote Gateway table
9)  Configure AAL2 PVC table
10) Configure SVC Profile table
x)  EXIT
Enter selection (1 - 10, x)
```

8 Press 4 to access the SNMP configuration and security menu.

The *SNMP Configuration and Password Management Menu* displays.

```
*** SNMP Configuration and Password Menu for MS2020
     at 172.17.40.221 ***
1) Setup Trusted SNMP Managers
2) Configuring SNMP Trap Destinations
3) Change SNMP Community String password
4) Change File Upload and Download user and password
?) Help
x) EXIT
Enter selection (1 - 4, ?, x)
```

9 Press 2 to access the trap destinations configuration menu.

The *Trap Destinations Configuration Menu* displays.

```
*** Trap Destinations Configuration Menu for MS2020
     at 172.17.40.221 ***
```

```
1) List configured trap destinations
2) Add a trap destination
3) Delete a trap destination
?) Help
x) EXIT
Enter selection (1 - 3, ?, x)
```

> ***Note:*** In the next step, you will add a trap destination. For SN07, use the IP address of the IEMS server as a trap destination.

10 Press 2 to add a trap destination.

The following messages display.

```
*Adding new Trap Destination Entry for 172.17.40.221*
Enter the desired value at the prompt. Enter '?' for
help with the format or carriage return to exit from
the add entry
Enter the IP address of the node that you would like
to set up as a Trap Destination.
```

11 Enter the IP of the node to set up as a trap destination, or press Enter to return to the trap destinations configuration menu.

When you enter the IP, the following message displays.

```
Enter the port or Return to exit.
>
```

12 Enter the port designation. The following message displays.

```
Would you like to add this Trap Destination to the
MS2020 node? (y/n)
>
```

13 Press y. The following message displays.

```
                        *** NOTE ***
The changes that have been made to the MS2020 require
a soft reset of the node in order for the changes to
take effect. A soft reset of the node will take it
out of service for several minutes.
Perform soft reset now? (y/n)
>
```

14 Press y to perform a soft reset. The following message displays.

```
Soft Reset sent to MS2020 node
```

```
Press <enter> to continue

Would you like to store the changes by backing up the
INI file now? (y/n)

>
```

15 Press y to backup the INI file, or press n to return to the trap destinations configuration menu.

The *Trap Destinations Configuration Menu* displays.

```
*** Trap Destinations Configuration Menu for MS2020
     at 172.17.40.221 ***

1) List configured trap destinations

2) Add a trap destination

3) Delete a trap destination

?) Help

x) EXIT

Enter selection (1 - 3, ?, x)
```

16 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

17 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

18 Enter exit to close the telnet session.

19 You have completed this procedure.

Deleting trap destinations for a Media Server 2010 node

This procedure enables you to delete a trap destination for a Media Server 2010 node.

Note: After making trap destination changes, execute a soft reset of the Media Server to burn the new configuration to flash memory. (The software prompts you to perform a soft reset after you have deleted trap destinations.)

At the Windows desktop interface

1. Open a telnet connection to the CS 2000 Management Tool.
2. Log in with the appropriate user name.

   Note: The user name must be a member of the “succssn” and “emsadm” groups.
3. Invoke the MS 2000 Series CLUI by entering the following on the command line:

   `/opt/nortel/NTsesm/bin/ms2000.sh`
4. When prompted, enter the appropriate user name and password.

   The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5. Enter 2 to access Node Maintenance and Configuration menu.
6. When prompted, enter the IP address of the Media Server node.

   The *Main Menu* displays.

```
*** Main Menu for MS2010 at 172.17.40.230 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
```

```
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *Main Configuration Menu* displays.

```
*Main Configuration Menu for MS2010 at 172.17.40.230*
1) Display this nodes current configuration
2) General node configuration
3) Configure Network Time settings
4) SNMP configuration and security
x) EXIT
Enter selection (1 - 4, x)
```

8 Press 4 to access the SNMP configuration and security menu.

The *SNMP Configuration and Password Management Menu* displays.

```
*** SNMP Configuration and Password Menu for MS2010
     at 172.17.40.230 ***
1) Setup Trusted SNMP Managers
2) Configuring SNMP Trap Destinations
3) Change SNMP Community String password
4) Change File Upload and Download user and password
?) Help
x) EXIT
Enter selection (1 - 4, ?, x)
```

9 Press 2 to access the trap destinations configuration menu.

The *Trap Destinations Configuration Menu* displays.

```
*** Trap Destinations Configuration Menu for MS2010
     at 172.17.40.230 ***
1) List configured trap destinations
2) Add a trap destination
3) Delete a trap destination
?) Help
x) EXIT
Enter selection (1 - 3, ?, x)
```

10 Press 3 to delete a trap destination.

The following is an example display:

Example

```
* Deleting Trap Destination Entry for 172.17.40.230 *
List of Trap Destinations
=========================
IP = 47.142.89.73  Port = 162
Enter the IP address of the node that you would like
to delete from the Trap Destination list. Return to
exit.
>
```

11 Enter the IP of the node to delete, or press Enter to return to the trap destinations configuration menu.

When you enter the IP, the following message displays.

```
Enter the port or Return to exit.
>
```

12 Enter the port designation. The following is an example message that displays.

```
Trap Destination 47.142.130.92:162 at index trap0
selected

Delete Entry? (y/n)
>
```

13 Press y. The following message displays.

```
                          *** NOTE ***
Would you like to store the changes by backing up the
INI file now? (y/n)
>
```

14 Press y to backup the INI file, or press Enter to return to the trap destinations configuration menu.

The *Trap Destinations Configuration Menu* displays.

```
*** Trap Destinations Configuration Menu for MS2010
     at 172.17.40.230 ***
1) List configured trap destinations
2) Add a trap destination
3) Delete a trap destination
```

```
?) Help
x) EXIT
Enter selection (1 - 3, ?, x)
```

15 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

16 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

17 Enter exit to close the telnet session.

18 Perform the procedure *Performing a soft reset on a Media Server 2000 series node*.

19 You have completed this procedure.

Deleting trap destinations for a Media Server 2020 node

This procedure enables you to delete a trap destination for a Media Server 2020 node.

Note: After making trap destination changes, execute a soft reset of the Media Server to burn the new configuration to flash memory. (The software prompts you to perform a soft reset after you have deleted trap destinations.)

At the Windows desktop interface

1. Open a telnet connection to the CS 2000 Management Tool.
2. Log in with the appropriate user name.

   Note: The user name must be a member of the “succssn” and “emsadm” groups.
3. Invoke the MS 2000 Series CLUI by entering the following on the command line:

   `/opt/nortel/NTsesm/bin/ms2000.sh`
4. When prompted, enter the appropriate user name and password.

   The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5. Enter 2 to access Node Maintenance and Configuration menu.
6. When prompted, enter the IP address of the Media Server node.

   The *Main Menu* displays.

```
*** Main Menu for MS2020 at 172.17.40.221 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
```

```
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *AAL2 Main Configuration Menu* displays.

```
*** AAL2 Main Configuration Menu for MS2020 at
     172.17.40.221 ***
1)  Display this nodes current configuration
2)  General node configuration
3)  Configure Network Time settings
4)  SNMP configuration and security
5)  Configure ATM loopback table
6)  Display SVC Connection table
7)  Configure ATM port table
8)  Configure Remote Gateway table
9)  Configure AAL2 PVC table
10) Configure SVC Profile table
x)  EXIT
Enter selection (1 - 10, x)
```

8 Press 4 to access the SNMP configuration and security menu.

The *SNMP Configuration and Password Management Menu* displays.

```
*** SNMP Configuration and Password Menu for MS2020
     at 172.17.40.221 ***
1) Setup Trusted SNMP Managers
2) Configuring SNMP Trap Destinations
3) Change SNMP Community String password
4) Change File Upload and Download user and password
?) Help
x) EXIT
Enter selection (1 - 4, ?, x)
```

9 Press 2 to access the trap destinations configuration menu.

The *Trap Destinations Configuration Menu* displays.

```
*** Trap Destinations Configuration Menu for MS2020
     at 172.17.40.221 ***
```

```
1) List configured trap destinations
2) Add a trap destination
3) Delete a trap destination
?) Help
x) EXIT
Enter selection (1 - 3, ?, x)
```

10 Press 3 to delete a trap destination.

The following is an example display:

Example

```
* Deleting Trap Destination Entry for 172.17.40.221 *
List of Trap Destinations
=========================
IP = 47.142.89.73  Port = 162
Enter the IP address of the node that you would like
to delete from the Trap Destination list. Return to
exit.
>
```

11 Enter the IP of the node to delete, or press Enter to return to the trap destinations configuration menu.

When you enter the IP, the following message displays.

```
Enter the port or Return to exit.
>
```

12 Enter the port designation. The following is an example message that displays.

```
Trap Destination 47.142.130.92:162 at index trap0
selected

Delete Entry? (y/n)
>
```

13 Press y. The following message displays.

```
                          *** NOTE ***
Would you like to store the changes by backing up the
INI file now? (y/n)
>
```

14 Press y to backup the INI file, or press Enter to return to the trap destinations configuration menu.

The *Trap Destinations Configuration Menu* displays.

```
*** Trap Destinations Configuration Menu for MS2020
     at 172.17.40.221 ***

1) List configured trap destinations

2) Add a trap destination

3) Delete a trap destination

?) Help

x) EXIT

Enter selection (1 - 3, ?, x)
```

15 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

16 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

17 Enter exit to close the telnet session.

18 Perform the procedure *Performing a soft reset on a Media Server 2000 series node*.

19 You have completed this procedure.

Changing the SNMP community string password for a Media Server 2010 node

This procedure enables you to change the SNMP community string password for a Media Server 2010 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.

CAUTION

For proper operation with the IEMS, the SNMP community string must match the community string used when adding the Media Server 2010 node to the IEMS topology.

At the Windows desktop interface

1. Open a telnet connection to the CS 2000 Management Tool.
2. Log in with the appropriate user name.

   Note: The user name must be a member of the “succssn” and “emsadm” groups.
3. Invoke the MS 2000 Series CLUI by entering the following on the command line:

   `/opt/nortel/NTsesm/bin/ms2000.sh`
4. When prompted, enter the appropriate user name and password.

   The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5 Enter 2 to access Node Maintenance and Configuration menu.

6 When prompted, enter the IP address of the Media Server node.

The *Main Menu* displays.

```
*** Main Menu for MS2010 at 172.17.40.230 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *Main Configuration Menu* displays.

```
*Main Configuration Menu for MS2010 at 172.17.40.230*
1) Display this nodes current configuration
2) General node configuration
3) Configure Network Time settings
4) SNMP configuration and security
x) EXIT
Enter selection (1 - 4, x)
```

8 Press 4 to access the SNMP configuration and security menu.

The *SNMP Configuration and Password Management Menu* displays.

```
*** SNMP Configuration and Password Menu for MS2010
    at 172.17.40.230 ***
1) Setup Trusted SNMP Managers
2) Configuring SNMP Trap Destinations
3) Change SNMP Community String password
4) Change File Upload and Download user and password
?) Help
x) EXIT
Enter selection (1 - 4, ?, x)
```

9 Press 3 to change the SNMP community string password.

The following message displays:

```
** SNMP Community String Password Management **
```

```
Would you like to change the SNMP Community password
for this node? (y/n)

>
```

10 Press y to change the SNMP community password, or enter 'n' to return to the SNMP Configuration and Password Management menu.

The following message displays.

```
                    *** WARNING ***
This password will be written to the MS2010 and
is the only password that can be used for either
reading from or writing to the node via SNMP. If
there are other managers that must communicate
to this MS2010 node then you will need to go to
that manager and reconfigure the community
strings it uses to communicate with this MS2010
node. The password you are entering here will be
used for both the read and write SNMP community
strings.

Press <enter> to continue
```

11 Press Enter. The following message displays.

```
Enter the SNMP password for the CLUI to use when
communicating with the 172.17.40.230 MS2010
node. The password must be alpha numeric and can
be up to 255 characters long. Return to exit.

>
```

12 Enter the new SNMP community password. The following message displays.

```
Re-enter the Password

>
```

13 Enter the new SNMP community password again. The following message displays.

```
Save the SNMP password change? (y/n)

>
```

14 Enter y to save the new community password. The *SNMP Configuration and Password Management Menu* displays.

```
*** SNMP Configuration and Password Menu for MS2010
     at 172.17.40.230 ***

1) Setup Trusted SNMP Managers
```

```
2) Configuring SNMP Trap Destinations
3) Change SNMP Community String password
4) Change File Upload and Download user and password
?) Help
x) EXIT
Enter selection (1 - 4, ?, x)
```

15 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

16 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

17 Enter exit to close the telnet session.

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.

18 You have completed this procedure.

Changing the SNMP community string password for a Media Server 2020 node

This procedure enables you to change the SNMP community string password for a Media Server 2020 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.

CAUTION

For proper operation with the IEMS, the SNMP community string must match the community string used when adding the Media Server 2020 node to the IEMS topology.

At the Windows desktop interface

1. Open a telnet connection to the CS 2000 Management Tool.
2. Log in with the appropriate user name.

   Note: The user name must be a member of the “succssn” and “emsadm” groups.
3. Invoke the MS 2000 Series CLUI by entering the following on the command line:

   `/opt/nortel/NTsesm/bin/ms2000.sh`
4. When prompted, enter the appropriate user name and password.

   The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5 Enter 2 to access Node Maintenance and Configuration menu.

6 When prompted, enter the IP address of the Media Server node.

The *Main Menu* displays.

```
*** Main Menu for MS2020 at 172.17.40.221 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *AAL2 Main Configuration Menu* displays.

```
*** AAL2 Main Configuration Menu for MS2020 at
     172.17.40.221 ***
1)  Display this nodes current configuration
2)  General node configuration
3)  Configure Network Time settings
4)  SNMP configuration and security
5)  Configure ATM loopback table
6)  Display SVC Connection table
7)  Configure ATM port table
8)  Configure Remote Gateway table
9)  Configure AAL2 PVC table
10) Configure SVC Profile table
x)  EXIT
Enter selection (1 - 10, x)
```

8 Press 4 to access the SNMP configuration and security menu.

The *SNMP Configuration and Password Management Menu* displays.

```
*** SNMP Configuration and Password Menu for MS2020
     at 172.17.40.221 ***
1) Setup Trusted SNMP Managers
2) Configuring SNMP Trap Destinations
3) Change SNMP Community String password
4) Change File Upload and Download user and password
```

```
?) Help

x) EXIT

Enter selection (1 - 4, ?, x)
```

9 Press 3 to change the SNMP community string password.

The following message displays:

```
** SNMP Community String Password Management **

Would you like to change the SNMP Community password
for this node? (y/n)

>
```

10 Press y to change the SNMP community password, or enter 'n' to return to the SNMP Configuration and Password Management menu.

The following message displays.

```
                    *** WARNING ***
This password will be written to the MS2020 and
is the only password that can be used for either
reading from or writing to the node via SNMP. If
there are other managers that must communicate
to this MS2020 node then you will need to go to
that manager and reconfigure the community
strings it uses to communicate with this MS2020
node. The password you are entering here will be
used for both the read and write SNMP community
strings.

Press <enter> to continue
```

11 Press Enter. The following message displays.

```
Enter the SNMP password for the CLUI to use when
communicating with the 172.17.40.221 MS2020
node. The password must be alpha numeric and can
be up to 255 characters long. Return to exit.

>
```

12 Enter the new SNMP community password. The following message displays.

```
Re-enter the Password

>
```

13 Enter the new SNMP community password again. The following message displays.

```
Save the SNMP password change? (y/n)

>
```

14 Enter y to save the new community password. The *SNMP Configuration and Password Management Menu* displays.

```
*** SNMP Configuration and Password Menu for MS2020
     at 172.17.40.221 ***

1) Setup Trusted SNMP Managers

2) Configuring SNMP Trap Destinations

3) Change SNMP Community String password

4) Change File Upload and Download user and password

?) Help

x) EXIT

Enter selection (1 - 4, ?, x)
```

15 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

16 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

17 Enter exit to close the telnet session.

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.

18 You have completed this procedure.

Changing the file upload and download user and password for a Media Server 2010 node

This procedure enables you to change the file upload and download user and password for a Media Server 2010 node.

Note 1: The upload and download user character strings and password character strings have to match the AMS Webserver Access user ID character string and password character strings used on the APS system for downloading audio code segments. If these user and password character strings do not match, audio cannot be downloaded from the APS system to the Media Server 2000 Series audio servers.

Note 2: After making user and password changes, execute a soft reset of the Media Server to burn the new configuration to flash memory. (The software prompts you to perform a soft reset after you change the user and password.)

At the Windows desktop interface

1 Open a telnet connection to the CS 2000 Management Tool.

2 Log in with the appropriate user name.

Note: The user name must be a member of the “succssn” and “emsadm” groups.

3 Invoke the MS 2000 Series CLUI by entering the following on the command line:

`/opt/nortel/NTsesm/bin/ms2000.sh`

4 When prompted, enter the appropriate user name and password.

The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5 Enter 2 to access Node Maintenance and Configuration menu.

6 When prompted, enter the IP address of the Media Server node.

The *Main Menu* displays.

```
*** Main Menu for MS2010 at 172.17.40.230 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *Main Configuration Menu* displays.

```
*Main Configuration Menu for MS2010 at 172.17.40.230*
1) Display this nodes current configuration
2) General node configuration
3) Configure Network Time settings
4) SNMP configuration and security
x) EXIT
Enter selection (1 - 4, x)
```

8 Press 4 to access the SNMP configuration and security menu.

The *SNMP Configuration and Password Management Menu* displays.

```
*** SNMP Configuration and Password Menu for MS2010
    at 172.17.40.230 ***
1) Setup Trusted SNMP Managers
2) Configuring SNMP Trap Destinations
3) Change SNMP Community String password
4) Change File Upload and Download user and password
?) Help
x) EXIT
Enter selection (1 - 4, ?, x)
```

9 Press 4 to change the file upload and download user and password.

The following message displays:

```
** File Transfer Password Management **
```

```
Would you like to change the File Upload and Download
user and password for this node? (y/n)

>
```

10 Press 'y' to change the file upload and download user and password, or enter 'n' to return to the SNMP Configuration and Password Management menu.

The following message displays.

```
Enter the Username for the CLUI to use when
performing file transfers with the 172.17.40.230
MS2010 node. Username can not be more than 7
characters and must be alpha numeric.

>
```

11 Enter the new username. The following message displays.

```
Enter the Password for the CLUI to use when
performing file transfers with the 172.17.40.230
MS2010 node. Password can not be more than 7
characters and must be alpha numeric.

>
```

12 Enter the new password. You are prompted to re-enter the new password.

```
Re-enter the Password

>
```

13 Enter the new password again. The following message displays.

```
                    *** NOTE ***

The changes that have been made to the MS2010 require
a soft reset of the node in order for the changes to
take effect. A soft reset of the node will take it
out of service for several minutes.

Perform soft reset now? (y/n)

>
```

14 Press y to perform a soft reset. The following message displays.

```
Soft Reset sent to MS2010 node

Press <enter> to continue

Enter selection (1 - 4, ?, x)
```

15 Press Enter. The following message displays.

```
Would you like to store the changes by backing up the
INI file now? (y/n)
```

```
>
```

16 Press y to back up the INI file. The *SNMP Configuration and Password Management Menu* displays.

```
*** SNMP Configuration and Password Menu for MS2010
     at 172.17.40.230 ***

1) Setup Trusted SNMP Managers

2) Configuring SNMP Trap Destinations

3) Change SNMP Community String password

4) Change File Upload and Download user and password

?) Help

x) EXIT

Enter selection (1 - 4, ?, x)
```

17 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

18 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

19 Enter exit to close the telnet session.

20 You have completed this procedure.

Changing the file upload and download user and password for a Media Server 2020 node

This procedure enables you to change the file upload and download user and password for a Media Server 2020 node.

Note 1: The upload and download user character strings and password character strings have to match the AMS Webserver Access user ID character string and password character strings used on the APS system for downloading audio code segments. If these user and password character strings do not match, audio cannot be downloaded from the APS system to the Media Server 2000 Series audio servers.

Note 2: After making user and password changes, execute a soft reset of the Media Server to burn the new configuration to flash memory. (The software prompts you to perform a soft reset after you change the user and password.)

At the Windows desktop interface

1 Open a telnet connection to the CS 2000 Management Tool.

2 Log in with the appropriate user name.

Note: The user name must be a member of the “succssn” and “emsadm” groups.

3 Invoke the MS 2000 Series CLUI by entering the following on the command line:

`/opt/nortel/NTsesm/bin/ms2000.sh`

4 When prompted, enter the appropriate user name and password.

The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5 Enter 2 to access Node Maintenance and Configuration menu.

6 When prompted, enter the IP address of the Media Server node.

The *Main Menu* displays.

```
*** Main Menu for MS2020 at 172.17.40.221 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *AAL2 Main Configuration Menu* displays.

```
*** AAL2 Main Configuration Menu for MS2020 at
     172.17.40.221 ***
1)  Display this nodes current configuration
2)  General node configuration
3)  Configure Network Time settings
4)  SNMP configuration and security
5)  Configure ATM loopback table
6)  Display SVC Connection table
7)  Configure ATM port table
8)  Configure Remote Gateway table
9)  Configure AAL2 PVC table
10) Configure SVC Profile table
x)  EXIT
Enter selection (1 - 10, x)
```

8 Press 4 to access the SNMP configuration and security menu.

The *SNMP Configuration and Password Management Menu* displays.

```
*** SNMP Configuration and Password Menu for MS2020
     at 172.17.40.221 ***
1) Setup Trusted SNMP Managers
2) Configuring SNMP Trap Destinations
3) Change SNMP Community String password
4) Change File Upload and Download user and password
?) Help
```

```
x) EXIT

Enter selection (1 - 4, ?, x)
```

9 Press 4 to change the file upload and download user and password.

The following message displays:

```
** File Transfer Password Management **

Would you like to change the File Upload and Download
user and password for this node? (y/n)

>
```

10 Press 'y' to change the file upload and download user and password, or enter 'n' to return to the SNMP Configuration and Password Management menu.

The following message displays.

```
Enter the Username for the CLUI to use when
performing file transfers with the 172.17.40.221
MS2020 node. Username can not be more than 7
characters and must be alpha numeric.

>
```

11 Enter the new username. The following message displays.

```
Enter the Password for the CLUI to use when
performing file transfers with the 172.17.40.221
MS2020 node. Password can not be more than 7
characters and must be alpha numeric.

>
```

12 Enter the new password. You are prompted to re-enter the new password.

```
Re-enter the Password

>
```

13 Enter the new password again. The following message displays.

```
                    *** NOTE ***

The changes that have been made to the MS2020 require
a soft reset of the node in order for the changes to
take effect. A soft reset of the node will take it
out of service for several minutes.

Perform soft reset now? (y/n)

>
```

14 Press y to perform a soft reset. The following message displays.

```
Soft Reset sent to MS2020 node

Press <enter> to continue

Enter selection (1 - 4, ?, x)
```

15 Press Enter. The following message displays.

```
Would you like to store the changes by backing up the
INI file now? (y/n)

>
```

16 Press y to back up the INI file. The *SNMP Configuration and Password Management Menu* displays.

```
*** SNMP Configuration and Password Menu for MS2020
     at 172.17.40.221 ***

1) Setup Trusted SNMP Managers

2) Configuring SNMP Trap Destinations

3) Change SNMP Community String password

4) Change File Upload and Download user and password

?) Help

x) EXIT

Enter selection (1 - 4, ?, x)
```

17 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

18 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

19 Enter exit to close the telnet session.

20 You have completed this procedure.

Listing the ATM loopback table for a Media Server 2020 node

This procedure enables you to list the ATM loopback table for a Media Server 2020 node.

At the Windows desktop interface

1 Open a telnet connection to the CS 2000 Management Tool.

2 Log in with the appropriate user name.

Note: The user name must be a member of the “succssn” and “emsadm” groups.

3 Invoke the MS 2000 Series CLUI by entering the following on the command line:

`/opt/nortel/NTsesm/bin/ms2000.sh`

4 When prompted, enter the appropriate user name and password.

The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5 Enter 2 to access Node Maintenance and Configuration menu.

6 When prompted, enter the IP address of the Media Server node.

The *Main Menu* displays.

```
*** Main Menu for MS2020 at 172.17.40.221 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *AAL2 Main Configuration Menu* displays.

```
*** AAL2 Main Configuration Menu for MS2020 at
     172.17.40.221 ***
1)  Display this nodes current configuration
2)  General node configuration
3)  Configure Network Time settings
4)  SNMP configuration and security
5)  Configure ATM loopback table
6)  Display SVC Connection table
7)  Configure ATM port table
8)  Configure Remote Gateway table
9)  Configure AAL2 PVC table
10) Configure SVC Profile table
x)  EXIT
Enter selection (1 - 10, x)
```

8 Press 5 to access the ATM Loopback configuration menu.

The *ATM Loopback Configuration Menu* displays.

```
***** ATM Loopback Configuration Menu for MS2020 at
     172.17.40.221 *****
1) List current table
2) Edit Port Entry
x) EXIT
Enter selection (1 - 2, x)
```

9 Press 1 to list the current ATM loopback table.

The current ATM Loopback configuration displays followed by the ATM Loopback configuration menu:

```
*** Loopback Table for MS2020 at 172.17.40.221 *****
    Table Entry 1
   ************
   Is Used              :yes(1)
   Action               :none(0)
   Action Result        :none(0)
   Port Number          :port0(0)
```

```
Mode                    :vp(2)
OutBound Virtual Path:2
InBound Virtual Path :1
Vci Range First         :100
Vci Range Last          :400
Service Category        :rtVbr(2)
PCR                     :5000
SCR                     :5000
MBS                     :1


***** ATM Loopback Configuration Menu for MS2020 at
      172.17.40.221 *****
1) List current table
2) Edit Port Entry
x) EXIT
Enter selection (1 - 2, x)
```

10 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

11 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

12 Enter exit to close the telnet session.

13 You have completed this procedure.

Editing the ATM loopback port entry for a Media Server 2020 node

This procedure enables you to edit the ATM loopback port entry for a Media Server 2020 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.

At the Windows desktop interface

1. Open a telnet connection to the CS 2000 Management Tool.
2. Log in with the appropriate user name.

   Note: The user name must be a member of the “succssn” and “emsadm” groups.
3. Invoke the MS 2000 Series CLUI by entering the following on the command line:

   `/opt/nortel/NTsesm/bin/ms2000.sh`
4. When prompted, enter the appropriate user name and password.

   The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5. Enter 2 to access Node Maintenance and Configuration menu.
6. When prompted, enter the IP address of the Media Server node.

   The *Main Menu* displays.

```
*** Main Menu for MS2020 at 172.17.40.221 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
```

```
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *AAL2 Main Configuration Menu* displays.

```
*** AAL2 Main Configuration Menu for MS2020 at
     172.17.40.221 ***
1)  Display this nodes current configuration
2)  General node configuration
3)  Configure Network Time settings
4)  SNMP configuration and security
5)  Configure ATM loopback table
6)  Display SVC Connection table
7)  Configure ATM port table
8)  Configure Remote Gateway table
9)  Configure AAL2 PVC table
10) Configure SVC Profile table
x)  EXIT
Enter selection (1 - 10, x)
```

8 Press 5 to access the ATM Loopback configuration menu.

The *ATM Loopback Configuration Menu* displays.

```
***** ATM Loopback Configuration Menu for MS2020 at
     172.17.40.221 *****
1) List current table
2) Edit Port Entry
x) EXIT
Enter selection (1 - 2, x)
```

9 Press 2 to list the current ATM loopback table.

The following message displays:

```
Enter the port you wish to edit, '?' for help or
return to exit
>
```

10 Enter the port to edit (for example, port0), and follow the prompts to edit the ATM Loopback port entry.

The current configuration displays, one item at a time, allowing you to change any of the settings. Follow the prompts to accept the current settings or enter new settings.

Note: The following example shows the screen output when the default settings are accepted and no changes are made.

Example

```
> port0

** Edit ATM Loopback Entry for 172.17.40.221 port0 **

Enter the desired value at the prompt. The current
setting is displayed in brackets. To chose the
default setting press Enter. Enter '?' for help with
the format.

Is Loopback Configuration to be used [yes(1)]

>

Using current value yes(1)

Mode [vp(2)]

>

Using current value vp(2)


Out Bound Virtual Path [2]

>

Using current value 2


In Bound Virtual Path [1]

>

Using current value 1


Vci Range First [100]

>

Using current value 100


Vci Range Last [400]

>
```

```
Using current value 400


Service Category [rtVbr(2)]
>
Using current value rtVbr(2)


MBS [1]
>
Using current value 1
>
Using current value 30


Would you like to write these values to the MS2020
node? (y/n)
```

11 Press y to write the changes to the node. The *ATM Loopback Configuration Menu* displays.

```
***** ATM Loopback Configuration Menu for MS2020 at
172.17.40.221 *****
1) List current table
2) Edit Port Entry
x) EXIT
Enter selection (1 - 2, x)
```

12 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

13 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

14 Enter exit to close the telnet session.

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.

15 You have completed this procedure.

Listing the SVC connection table for a Media Server 2020 node

This procedure enables you to list the SVC connection table for a Media Server 2020 node.

At the Windows desktop interface

1 Open a telnet connection to the CS 2000 Management Tool.

2 Log in with the appropriate user name.

Note: The user name must be a member of the “succssn” and “emsadm” groups.

3 Invoke the MS 2000 Series CLUI by entering the following on the command line:

`/opt/nortel/NTsesm/bin/ms2000.sh`

4 When prompted, enter the appropriate user name and password.

The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5 Enter 2 to access Node Maintenance and Configuration menu.

6 When prompted, enter the IP address of the Media Server node.

The *Main Menu* displays.

```
*** Main Menu for MS2020 at 172.17.40.221 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *AAL2 Main Configuration Menu* displays.

```
*** AAL2 Main Configuration Menu for MS2020 at
     172.17.40.221 ***
1)  Display this nodes current configuration
2)  General node configuration
3)  Configure Network Time settings
4)  SNMP configuration and security
5)  Configure ATM loopback table
6)  Display SVC Connection table
7)  Configure ATM port table
8)  Configure Remote Gateway table
9)  Configure AAL2 PVC table
10) Configure SVC Profile table
x)  EXIT
Enter selection (1 - 10, x)
```

8 Press 6 to access the SVC connection display menu.

The *SVC Connection Display Menu* displays.

```
***** SVC Connection Display Menu for MS2020 at
     172.17.40.221 *****
1) List current table
x) EXIT
Enter selection (1, x)
```

9 Press 1 to list the current SVC connection table.

10 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

11 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

12 Enter exit to close the telnet session.

13 You have completed this procedure.

Listing the ATM port configuration table for a Media Server 2020 node

This procedure enables you to list the ATM port configuration table for a Media Server 2020 node.

At the Windows desktop interface

1. Open a telnet connection to the CS 2000 Management Tool.
2. Log in with the appropriate user name.

   Note: The user name must be a member of the “succssn” and “emsadm” groups.
3. Invoke the MS 2000 Series CLUI by entering the following on the command line:

   `/opt/nortel/NTsesm/bin/ms2000.sh`
4. When prompted, enter the appropriate user name and password.

   The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5. Enter 2 to access Node Maintenance and Configuration menu.
6. When prompted, enter the IP address of the Media Server node.

   The *Main Menu* displays.

```
*** Main Menu for MS2020 at 172.17.40.221 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
Enter selection (1 - 2, x)
```

7. Enter 2 to access the Configuration Menu.

The *AAL2 Main Configuration Menu* displays.

```
*** AAL2 Main Configuration Menu for MS2020 at
     172.17.40.221 ***
1)  Display this nodes current configuration
2)  General node configuration
3)  Configure Network Time settings
4)  SNMP configuration and security
5)  Configure ATM loopback table
6)  Display SVC Connection table
7)  Configure ATM port table
8)  Configure Remote Gateway table
9)  Configure AAL2 PVC table
10) Configure SVC Profile table
x)  EXIT
Enter selection (1 - 10, x)
```

8 Press 7 to access the ATM port configuration menu.

The *ATM Port Configuration Menu* displays.

```
***** ATM Port Configuration Menu for MS2020 at
     172.17.40.221 *****
1) List current table
2) Edit Port Entry
x) EXIT
Enter selection (1 - 2, x)
```

9 Press 1 to list the current table.

The current ATM Port table displays followed by the ATM port configuration menu:

```
*** Port Table for MS2020 at 172.17.40.221 *****
    Table Entry 1
   ************
   Administrative State : unlocked(2)
   Operational State    : enabled(1)
   Port Number          : port0(0)
   Port Admin Address   :
```

```
   Operational Address
   :47525450530000f000010000000908f04aab300
   Alarm Status          :0
   Port Address Mode     :addrModeILMI(2)


***** ATM Loopback Configuration Menu for MS2020 at
     172.17.40.221 *****
1) List current table
2) Edit Port Entry
x) EXIT
Enter selection (1 - 2, x)
```

10 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

11 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

12 Enter exit to close the telnet session.

13 You have completed this procedure.

Editing the ATM port entry for a Media Server 2020 node

This procedure enables you to edit the ATM port entry for a Media Server 2020 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.

At the Windows desktop interface

1 Open a telnet connection to the CS 2000 Management Tool.

2 Log in with the appropriate user name.

Note: The user name must be a member of the “succssn” and “emsadm” groups.

3 Invoke the MS 2000 Series CLUI by entering the following on the command line:

`/opt/nortel/NTsesm/bin/ms2000.sh`

4 When prompted, enter the appropriate user name and password.

The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5 Enter 2 to access Node Maintenance and Configuration menu.

6 When prompted, enter the IP address of the Media Server node.

The *Main Menu* displays.

```
*** Main Menu for MS2020 at 172.17.40.221 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
```

```
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *AAL2 Main Configuration Menu* displays.

```
*** AAL2 Main Configuration Menu for MS2020 at
     172.17.40.221 ***
1)  Display this nodes current configuration
2)  General node configuration
3)  Configure Network Time settings
4)  SNMP configuration and security
5)  Configure ATM loopback table
6)  Display SVC Connection table
7)  Configure ATM port table
8)  Configure Remote Gateway table
9)  Configure AAL2 PVC table
10) Configure SVC Profile table
x)  EXIT
Enter selection (1 - 10, x)
```

8 Press 7 to access the ATM port configuration menu.

The *ATM Port Configuration Menu* displays.

```
***** ATM Port Configuration Menu for MS2020 at
     172.17.40.221 *****
1) List current table
2) Edit Port Entry
x) EXIT
Enter selection (1 - 2, x)
```

9 Press 2 to edit the current table.

The following message displays:

```
Enter the port you wish to edit, '?' for help or
return to exit
>
Enter selection (1 - 2, x)
```

10 Enter the port to edit (for example, port0), and follow the prompts to edit the ATM port table entry.

The current setings display, one item at a time, allowing you to change these settings. Follow the prompts to accept the current settings or enter new settings.

Note: The following example shows the screen output when the default settings are accepted and no changes are made.

Example

```
> port0

** Edit Port Entry for 172.17.40.221 port0 **

Enter the desired value at the prompt. The current
setting is displayed in brackets. To chose the
default setting press Enter. Enter '?' for help with
the format.

Administrative State [unlocked(2)]

>

Using current value unlocked(2)

ATM Port Address []

>

Using current value


Would you like to write these values to the MS2020?
(y/n)
```

11 Press y to write the changes to the node. The following message displays.

```
Port changes written to node

Would you like to store the changes by backing up the
INI file now? (y/n)

>
```

12 Press y to back up the INI file.

The *ATM Port Configuration Menu* displays.

```
***** ATM Port Configuration Menu for MS2020 at
     172.17.40.221 *****

1) List current table

2) Edit Port Entry

x) EXIT

Enter selection (1 - 2, x)
```

13 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

14 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

15 Enter exit to close the telnet session.

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.

16 You have completed this procedure.

Listing the remote gateway table for a Media Server 2020 node

This procedure enables you to list the remote gateway table for a Media Server 2020 node.

At the Windows desktop interface

1 Open a telnet connection to the CS 2000 Management Tool.

2 Log in with the appropriate user name.

Note: The user name must be a member of the “succssn” and “emsadm” groups.

3 Invoke the MS 2000 Series CLUI by entering the following on the command line:

`/opt/nortel/NTsesm/bin/ms2000.sh`

4 When prompted, enter the appropriate user name and password.

The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5 Enter 2 to access Node Maintenance and Configuration menu.

6 When prompted, enter the IP address of the Media Server node.

The *Main Menu* displays.

```
*** Main Menu for MS2020 at 172.17.40.221 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *AAL2 Main Configuration Menu* displays.

```
*** AAL2 Main Configuration Menu for MS2020 at
     172.17.40.221 ***
1)  Display this nodes current configuration
2)  General node configuration
3)  Configure Network Time settings
4)  SNMP configuration and security
5)  Configure ATM loopback table
6)  Display SVC Connection table
7)  Configure ATM port table
8)  Configure Remote Gateway table
9)  Configure AAL2 PVC table
10) Configure SVC Profile table
x)  EXIT
Enter selection (1 - 10, x)
```

8 Press 8 to access the remote gateway configuration menu.

The *Remote Gateway Configuration Menu* displays.

```
***** Remote Gateway Configuration Menu for MS2020 at
     172.17.40.221 *****
1) List Remote Gateway table
2) Add Remote Gateway entry
3) Delete Remote Gateway entry
x) EXIT
Enter selection (1 - 3, x)
```

9 Press 1 to list the current table.

The current table displays.

10 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

11 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

12 Enter exit to close the telnet session.

13 You have completed this procedure.

Adding a remote gateway entry for a Media Server 2020 node

This procedure enables you to add a remote gateway entry for a Media Server 2020 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.

At the Windows desktop interface

1 Open a telnet connection to the CS 2000 Management Tool.

2 Log in with the appropriate user name.

Note: The user name must be a member of the “succssn” and “emsadm” groups.

3 Invoke the MS 2000 Series CLUI by entering the following on the command line:

`/opt/nortel/NTsesm/bin/ms2000.sh`

4 When prompted, enter the appropriate user name and password.

The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5 Enter 2 to access Node Maintenance and Configuration menu.

6 When prompted, enter the IP address of the Media Server node.

The *Main Menu* displays.

```
*** Main Menu for MS2020 at 172.17.40.221 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
```

```
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *AAL2 Main Configuration Menu* displays.

```
*** AAL2 Main Configuration Menu for MS2020 at
     172.17.40.221 ***
1)  Display this nodes current configuration
2)  General node configuration
3)  Configure Network Time settings
4)  SNMP configuration and security
5)  Configure ATM loopback table
6)  Display SVC Connection table
7)  Configure ATM port table
8)  Configure Remote Gateway table
9)  Configure AAL2 PVC table
10) Configure SVC Profile table
x)  EXIT
Enter selection (1 - 10, x)
```

8 Press 8 to access the remote gateway configuration menu.

The *Remote Gateway Configuration Menu* displays.

```
***** Remote Gateway Configuration Menu for MS2020 at
     172.17.40.221 *****
1) List Remote Gateway table
2) Add Remote Gateway entry
3) Delete Remote Gateway entry
x) EXIT
Enter selection (1 - 3, x)
```

9 Press 2 to add a remote gateway entry.

The following message displays:

```
*** Adding a new Remote Gateway Entry for
     172.17.40.221 ***
Enter the desired value at the prompt. Enter '?' for
help with the format or carriage return to exit from
the add entry
Enter the Remote Gateway index
```

```
>
```

10 Enter the Gateway index. The following message displays.

```
Enter the Gateway Name

>
```

11 Enter the Gateway name. The following message displays.

```
Enter the NSAP Address

>
```

12 Enter the NSAP Address. The following message displays.

```
Would you like to write these values to the MS2020
node? (y/n)

>
```

13 Press y to write the changes to the node. The following message displays.

```
Would you like to store the changes by backing up the
INI file now? (y/n)

     >
```

14 Press y to back up the INI file. The *Remote Gateway Configuration Menu* displays.

```
***** Remote Gateway Configuration Menu for MS2020 at
     172.17.40.221 *****

1) List Remote Gateway table

2) Add Remote Gateway entry

3) Delete Remote Gateway entry

x) EXIT

Enter selection (1 - 3, x)
```

15 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

16 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

17 Enter exit to close the telnet session.

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.

18 You have completed this procedure.

Deleting a remote gateway entry for a Media Server 2020 node

This procedure enables you to delete a remote gateway entry for a Media Server 2020 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.

At the Windows desktop interface

1. Open a telnet connection to the CS 2000 Management Tool.
2. Log in with the appropriate user name.

   Note: The user name must be a member of the “succssn” and “emsadm” groups.
3. Invoke the MS 2000 Series CLUI by entering the following on the command line:

   `/opt/nortel/NTsesm/bin/ms2000.sh`
4. When prompted, enter the appropriate user name and password.

   The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5. Enter 2 to access Node Maintenance and Configuration menu.
6. When prompted, enter the IP address of the Media Server node.

   The *Main Menu* displays.

```
*** Main Menu for MS2020 at 172.17.40.221 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
```

```
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *AAL2 Main Configuration Menu* displays.

```
*** AAL2 Main Configuration Menu for MS2020 at
     172.17.40.221 ***
1)  Display this nodes current configuration
2)  General node configuration
3)  Configure Network Time settings
4)  SNMP configuration and security
5)  Configure ATM loopback table
6)  Display SVC Connection table
7)  Configure ATM port table
8)  Configure Remote Gateway table
9)  Configure AAL2 PVC table
10) Configure SVC Profile table
x)  EXIT
Enter selection (1 - 10, x)
```

8 Press 8 to access the remote gateway configuration menu.

The *Remote Gateway Configuration Menu* displays.

```
***** Remote Gateway Configuration Menu for MS2020 at
     172.17.40.221 *****
1) List Remote Gateway table
2) Add Remote Gateway entry
3) Delete Remote Gateway entry
x) EXIT
Enter selection (1 - 3, x)
```

9 Press 3 to delete a remote gateway entry.

The following message displays:

```
** Deleting Remote Gateway Entry for 172.17.40.221 **
Enter the desired value at the prompt. Enter '?' for
help with the format or carriage return to exit from
the delete entry
Enter the Remote Gateway index
```

```
>
```

10 Enter the Remote Gateway index. The following message displays.

```
Delete Entry? (y/n)

>
```

11 Press y to dedlete the Remote Gateway entry. The following message displays.

```
Would you like to store the changes by backing up the
INI file now? (y/n)

>
```

12 Press y to back up the INI file. The *Remote Gateway Configuration Menu* displays.

```
***** Remote Gateway Configuration Menu for MS2020 at
172.17.40.221 *****

1) List Remote Gateway table

2) Add Remote Gateway entry

3) Delete Remote Gateway entry

x) EXIT

Enter selection (1 - 3, x)
```

13 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

14 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

15 Enter exit to close the telnet session.

> ***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.

16 You have completed this procedure.

Listing the PVC table for a Media Server 2020 node

This procedure enables you to list the PVC table for a Media Server 2020 node.

At the Windows desktop interface

1 Open a telnet connection to the CS 2000 Management Tool.

2 Log in with the appropriate user name.

Note: The user name must be a member of the “succssn” and “emsadm” groups.

3 Invoke the MS 2000 Series CLUI by entering the following on the command line:

`/opt/nortel/NTsesm/bin/ms2000.sh`

4 When prompted, enter the appropriate user name and password.

The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5 Enter 2 to access Node Maintenance and Configuration menu.

6 When prompted, enter the IP address of the Media Server node.

The *Main Menu* displays.

```
*** Main Menu for MS2020 at 172.17.40.221 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *AAL2 Main Configuration Menu* displays.

```
*** AAL2 Main Configuration Menu for MS2020 at
     172.17.40.221 ***
1)  Display this nodes current configuration
2)  General node configuration
3)  Configure Network Time settings
4)  SNMP configuration and security
5)  Configure ATM loopback table
6)  Display SVC Connection table
7)  Configure ATM port table
8)  Configure Remote Gateway table
9)  Configure AAL2 PVC table
10) Configure SVC Profile table
x)  EXIT
Enter selection (1 - 10, x)
```

8 Press 9 to access the AAL2 PVC configuration menu.

The *AAL2 PVC Configuration Menu* displays.

```
***** AALS PVC Configuration Menu for MS2020 at
     172.17.40.221 *****
1) List PVC table
2) Add PVC entry
3) Delete PVC entry
x) EXIT
Enter selection (1 - 3, x)
```

9 Enter 1 to display the PVC table.

10 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

11 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

12 Enter exit to close the telnet session.

13 You have completed this procedure.

Adding a PVC entry for a Media Server 2020 node

This procedure enables you to add a PVC entry for a Media Server 2020 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.

At the Windows desktop interface

1. Open a telnet connection to the CS 2000 Management Tool.
2. Log in with the appropriate user name.

   Note: The user name must be a member of the “succssn” and “emsadm” groups.
3. Invoke the MS 2000 Series CLUI by entering the following on the command line:

   `/opt/nortel/NTsesm/bin/ms2000.sh`
4. When prompted, enter the appropriate user name and password.

   The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5. Enter 2 to access Node Maintenance and Configuration menu.
6. When prompted, enter the IP address of the Media Server node.

   The *Main Menu* displays.

```
*** Main Menu for MS2020 at 172.17.40.221 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
```

```
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *AAL2 Main Configuration Menu* displays.

```
*** AAL2 Main Configuration Menu for MS2020 at
     172.17.40.221 ***
1)  Display this nodes current configuration
2)  General node configuration
3)  Configure Network Time settings
4)  SNMP configuration and security
5)  Configure ATM loopback table
6)  Display SVC Connection table
7)  Configure ATM port table
8)  Configure Remote Gateway table
9)  Configure AAL2 PVC table
10) Configure SVC Profile table
x)  EXIT
Enter selection (1 - 10, x)
```

8 Press 9 to access the AAL2 PVC configuration menu.

The *AAL2 PVC Configuration Menu* displays.

```
***** AALS PVC Configuration Menu for MS2020 at
      172.17.40.221 *****
1) List PVC table
2) Add PVC entry
3) Delete PVC entry
x) EXIT
Enter selection (1 - 3, x)
```

9 Enter 2 to add a PVC entry. The following message displays:

```
Enter the desired value at the prompt. Enter '?' for
help with the format or carriage return to exit from
the add entry
```

10 Follow the prompts to add a PVC entry.

11 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

12 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

13 Enter exit to close the telnet session.

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.

14 You have completed this procedure.

Deleting a PVC entry for a Media Server 2020 node

This procedure enables you to delete a PVC entry for a Media Server 2020 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.

At the Windows desktop interface

1. Open a telnet connection to the CS 2000 Management Tool.
2. Log in with the appropriate user name.

   Note: The user name must be a member of the “succssn” and “emsadm” groups.
3. Invoke the MS 2000 Series CLUI by entering the following on the command line:

   `/opt/nortel/NTsesm/bin/ms2000.sh`
4. When prompted, enter the appropriate user name and password.

   The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5. Enter 2 to access Node Maintenance and Configuration menu.
6. When prompted, enter the IP address of the Media Server node.

   The *Main Menu* displays.

```
*** Main Menu for MS2020 at 172.17.40.221 ***
1) Maintenance Menu
2) Configuration Menu
x) EXIT
```

```
Enter selection (1 - 2, x)
```

7 Enter 2 to access the Configuration Menu.

The *AAL2 Main Configuration Menu* displays.

```
*** AAL2 Main Configuration Menu for MS2020 at
     172.17.40.221 ***
1)  Display this nodes current configuration
2)  General node configuration
3)  Configure Network Time settings
4)  SNMP configuration and security
5)  Configure ATM loopback table
6)  Display SVC Connection table
7)  Configure ATM port table
8)  Configure Remote Gateway table
9)  Configure AAL2 PVC table
10) Configure SVC Profile table
x)  EXIT
Enter selection (1 - 10, x)
```

8 Press 9 to access the AAL2 PVC configuration menu.

The *AAL2 PVC Configuration Menu* displays.

```
***** AALS PVC Configuration Menu for MS2020 at
     172.17.40.221 *****
1) List PVC table
2) Add PVC entry
3) Delete PVC entry
x) EXIT
Enter selection (1 - 3, x)
```

9 Enter 3 to delete a PVC entry. The following message displays:

```
Enter the desired value at the prompt. Enter '?' for
help with the format or carriage return to exit from
the add entry
Enter the Remote Gateway Index
>
```

10 Enter the Remote Gateway index, and follow the prompts to delete a PVC entry.

11 Follow the prompts to return to the *Media Server 2000 Series CLUI Main Menu*.

12 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

13 Enter exit to close the telnet session.

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.

14 You have completed this procedure.

Backing up INI files for all nodes

This procedure enables you to back up the INI files for all nodes.

Note: This procedure pertains to both the Media Server 2010 and the Media Server 2020. The example screens in this procedure show a Media Server 2010.

At the Windows desktop interface

1 Open a telnet connection to the CS 2000 Management Tool.

2 Log in with the appropriate user name.

Note: The user name must be a member of the “succssn” and “emsadm” groups.

3 Invoke the MS 2000 Series CLUI by entering the following on the command line:

`/opt/nortel/NTsesm/bin/ms2000.sh`

4 When prompted, enter the appropriate user name and password.

The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5 Press 3 to back up the INI files for all nodes.

The following is an example message display:

Example

```
Backup of .ini for node 172.17.40.230 completed and
copied to SDM
Press <enter> to continue
```

6 Press Enter.

The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

7 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

8 Enter exit to close the telnet session.

9 You have completed this procedure.

Copying a file to the SDM/CBM

This procedure enables you to copy files to the SDM or CBM.

Note: This procedure pertains to both the Media Server 2010 and the Media Server 2020. The example screens in this procedure show a Media Server 2010.

At the Windows desktop interface

1 Open a telnet connection to the CS 2000 Management Tool.

2 Log in with the appropriate user name.

Note: The user name must be a member of the “succssn” and “emsadm” groups.

3 Invoke the MS 2000 Series CLUI by entering the following on the command line:

`/opt/nortel/NTsesm/bin/ms2000.sh`

4 When prompted, enter the appropriate user name and password.

The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5 Press 4 to copy files to the SDM or CBM.

The following message displays:

```
This tool will allow you to copy a file from the SSPFS
server to the SDM/CBM.  The file will be copied over
to the SDM/CBM with the same name as it exists on the
SSPFS server.  Because of this, the file should be
named appropriately here on the server before copying
over.  In the case of the initialization (ini) files,
you should rename the file in the format
<ipaddress>.ini before copying it to the SDM/CBM.
You also have the option to use the tool to either
download or backup the INI file, at which point the
CLUI will give you the option to place the file on
the SDM/CBM with the appropriate name.

Please specify the file that you wish to copy    full
path.  (Example: /data/loads/ams/myload.cmp)

Press <enter> to continue
```

6 Press Enter.

The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***

1) Display list of MS 2000 series nodes

2) Node Maintenance and Configuration

3) Backup INI file for all nodes

4) Copy a file to the SDM/CBM

5) Configure Automated INI file backup

x) EXIT CLUI

Enter selection (1 - 5, x)
```

7 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

8 Enter exit to close the telnet session.

9 You have completed this procedure.

Configuring automated INI file backups

This procedure enables you to configure automated INI file backups.

Note: This procedure pertains to both the Media Server 2010 and the Media Server 2020.

At the Windows desktop interface

1 Open a telnet connection to the CS 2000 Management Tool.

2 Log in with the appropriate user name.

Note: The user name must be a member of the “succssn” and “emsadm” groups.

3 Invoke the MS 2000 Series CLUI by entering the following on the command line:

`/opt/nortel/NTsesm/bin/ms2000.sh`

4 When prompted, enter the appropriate user name and password.

The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

5 Press 5 to configure automated INI file backups.

The current automated INI backup settings display:

```
Current Automated INI Backup Settings
=====================================
Automated INI Backup Time    = 02:00
Automated INI Backup Enabled = true
Would you like to change the Automated INI Backup
Settings? (y/n)
```

6 Follow the prompts to change the automated INI backup settings or press Enter to return to the Media Server 2000 series CLUI main menu.

The *Media Server 2000 Series CLUI Main Menu* displays.

```
*** Media Server 2000 Series CLUI Main Menu ***
1) Display list of MS 2000 series nodes
2) Node Maintenance and Configuration
3) Backup INI file for all nodes
4) Copy a file to the SDM/CBM
5) Configure Automated INI file backup
x) EXIT CLUI
Enter selection (1 - 5, x)
```

7 Enter x to exit the *Media Server 2000 Series CLUI Main Menu*.

8 Enter exit to close the telnet session.

9 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.

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

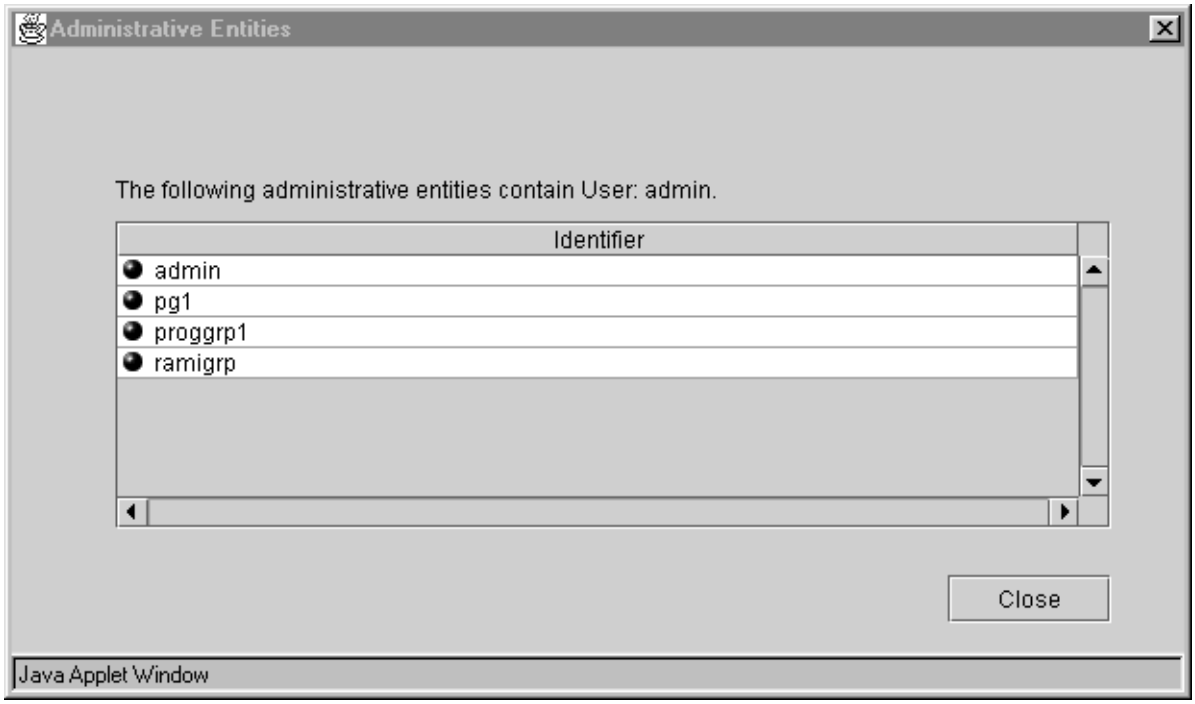
At the APS Audio Management Tool screen

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.

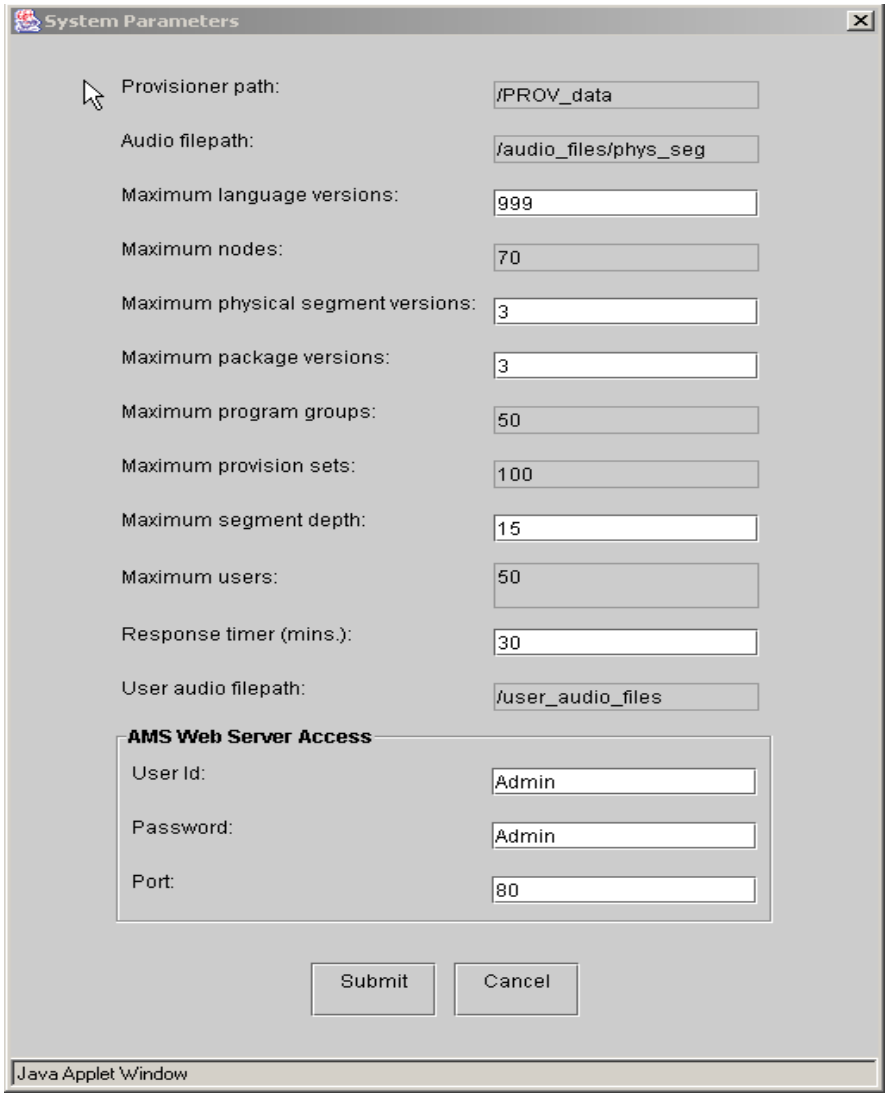
Editing APS System Parameters

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



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

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

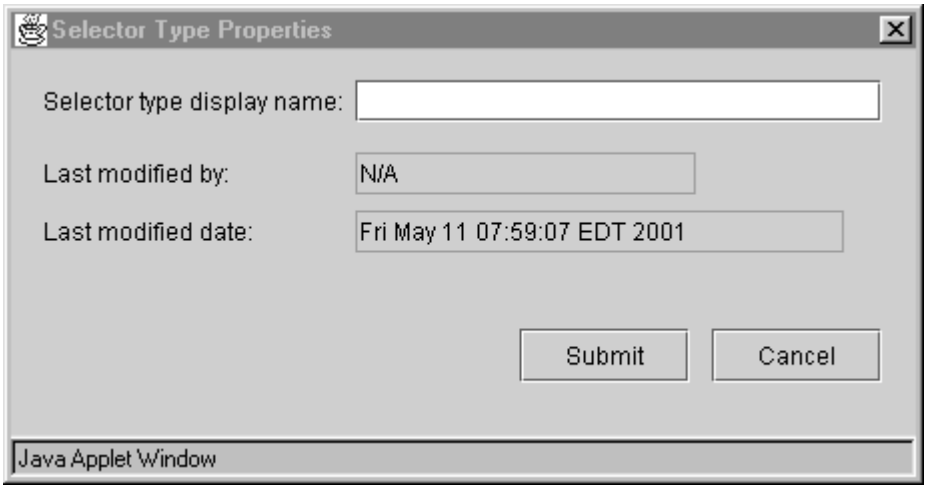
Creating a selector type

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 3
you want to Submit the new information	step 4

3 Click Cancel. Go to step 6.

4 Click Submit.

If	Do
you attempted to add a non-unique selector type	step 5
the operation was successful	step 6

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 4
you want to cancel	step 5

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 8
the selector value contains a non-unique Call Processing Value	step 7

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 5
you want to cancel	step 6

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

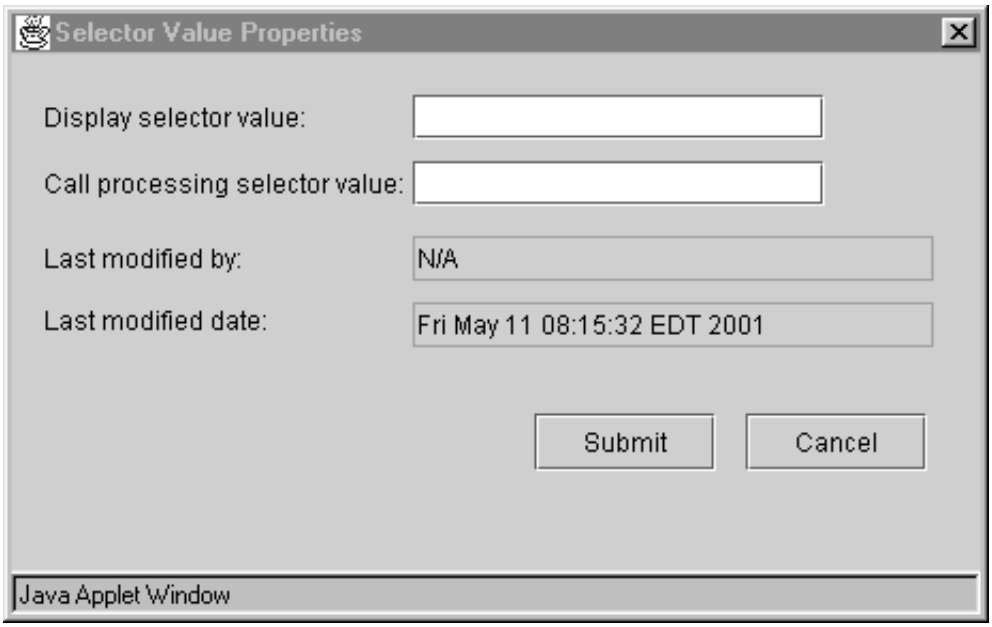
At the APS Administration Tool screen

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 4
you want to submit the operation	step 5

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 4
you want to cancel	step 5

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 4
you want to cancel	step 5

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.

Creating users

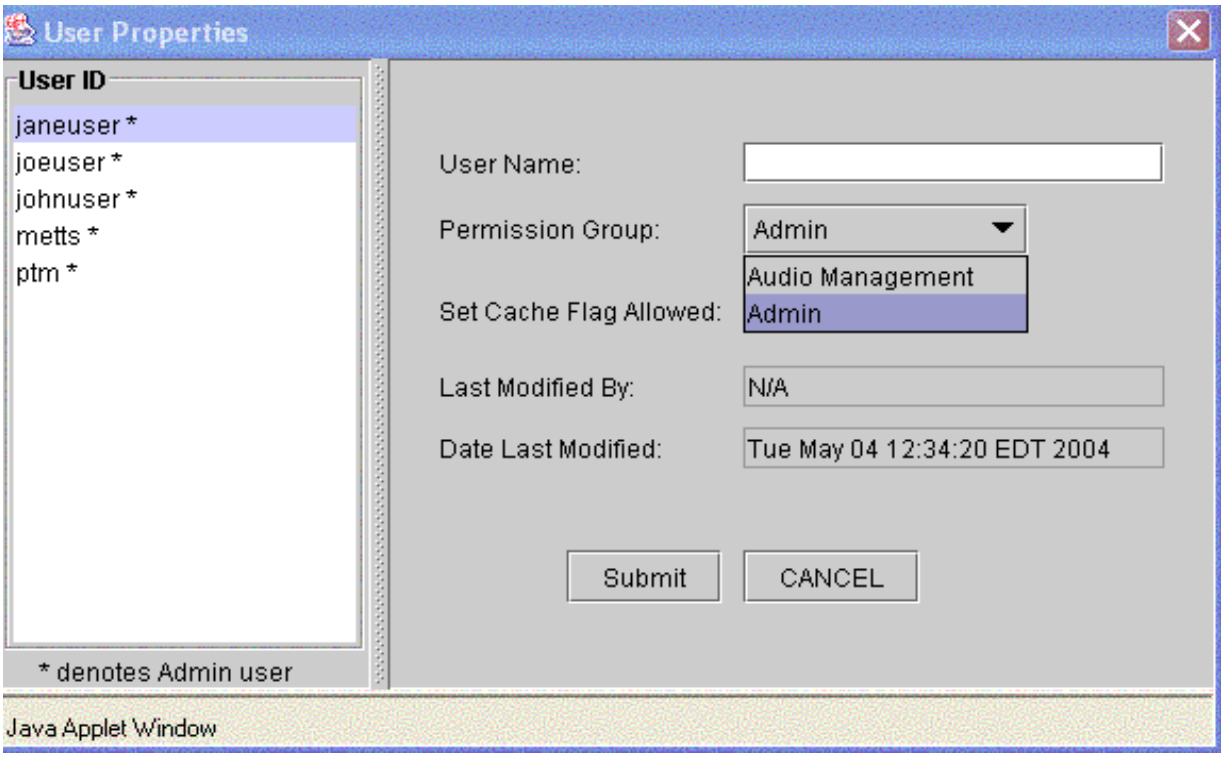
At the APS Administration Tool Screen

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



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 4
you want to Cancel the addition operation	step 5

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 5
you want to Cancel the editing operation	step 6

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. 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

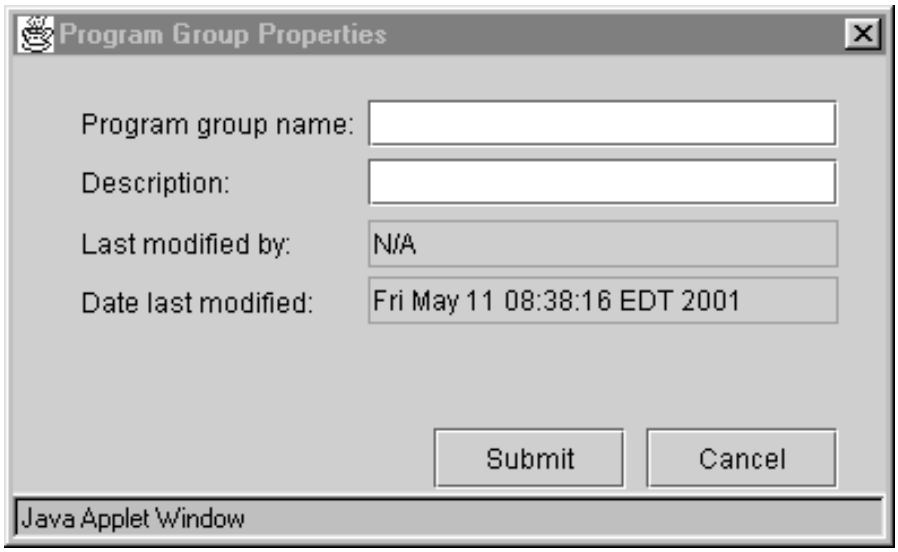
At the APS Administration Tool screen

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 4
you want to Submit the new information	step 5

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 7
you want to add user IDs, segment IDs, or package IDS to the new program group	Procedure Adding user IDs, segment IDs, or package IDs to a program group

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 4
you want to cancel the delete operation	step 5

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 2
you want to add segment IDs or package IDs to the program group	step 9

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 3
you don't want to add other user IDs to the program group	step 15

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 11
you want to add package IDs to the program group	step 12

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 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 5
you want to Submit the operation	step 7

5 Click Cancel. Go to step 11.

6 Click OK.

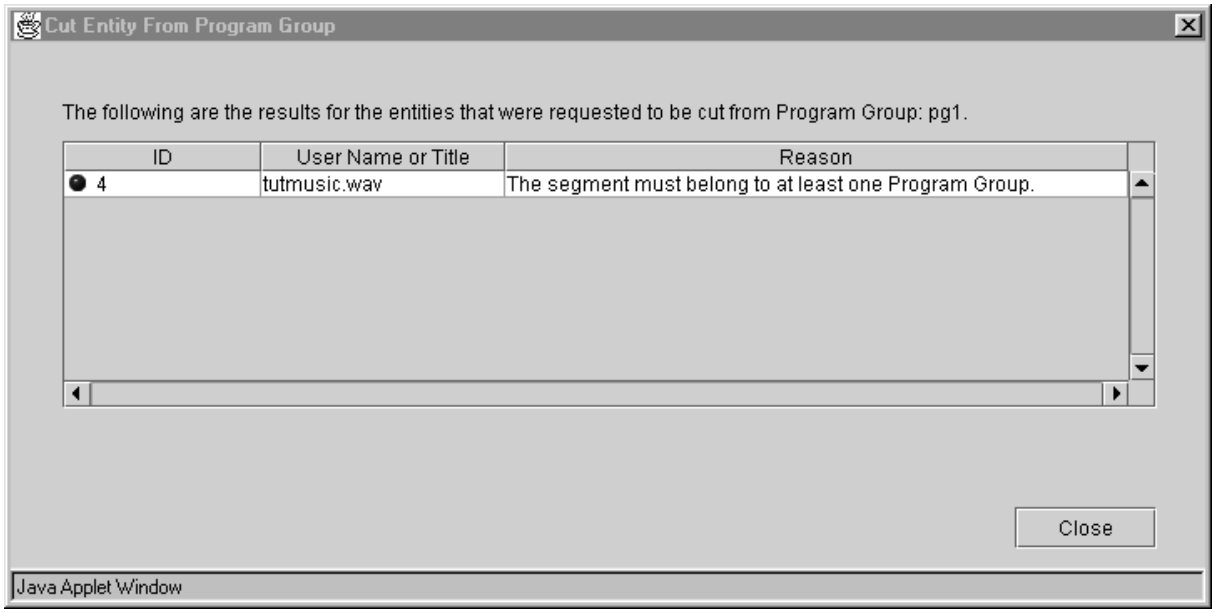
The Cut Entity from Administrative Entity window opens.

If	Do
you wish to view detail about the operation	step 7
you don't wish to view detail about the operation	step 10

7 Click View Detail.

The Cut Entity from Program Group window opens.

Cut Entity from Program Group window



a Examine the detail.

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

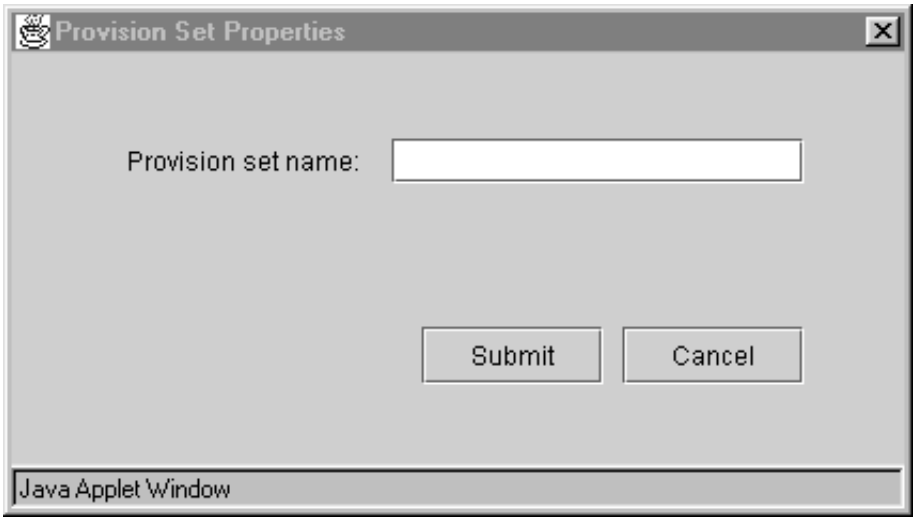
At the APS Administration Tool screen

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 4
you want to Cancel the new information	step 3

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 13

If	Do
you want to add program groups to the new provision set	step 6

6 Select the Program Groups folder in the Administration Container Tree.

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

7 Select a program group in the Contents table to be copied into the new provision set.

8 Click the Copy button on the menu tool bar.

9 Select the Provision Sets folder in the Administration Container Tree.

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

10 Select the new provision set in the Contents table.

11 Click the Paste button on the menu tool bar.

12 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 6
you don't want to add other program groups to the new provision set	step 13

13 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 4
you want to cancel the delete operation	step 5

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 5
you want to Cancel the request	step 6

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

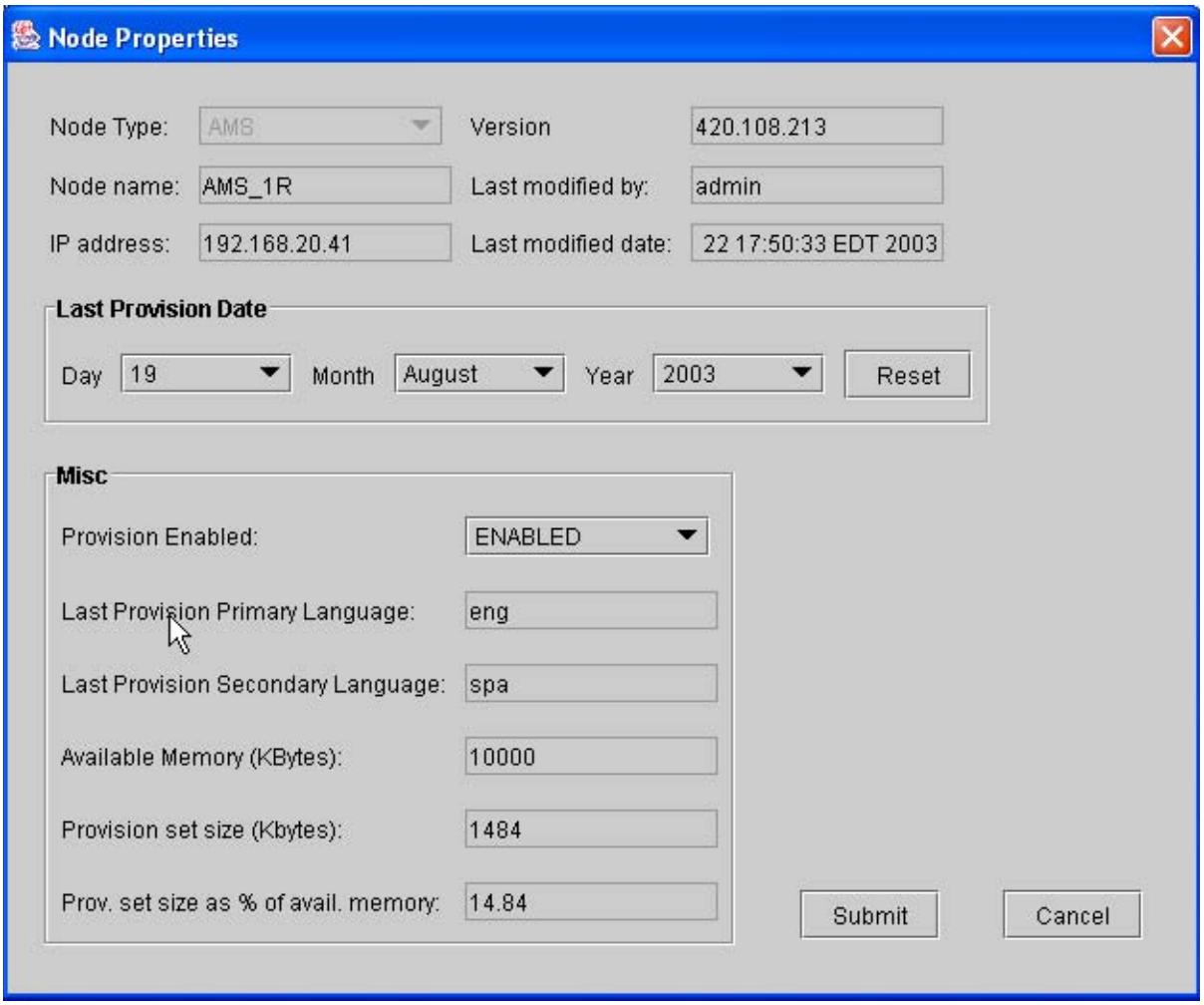
At the APS Administration Tool screen

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



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:

  (Provision set size / Memory available) x 100%

If	Do
you want to Cancel	step 4

If	Do
you want to Submit the new information	step 5

4 Click Cancel. Go to step 7.

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 7
you want to add a provision set to the new MS 2000 Series node	Procedure Adding a provision set to an MS 2000 Series node

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 4
you want to cancel the delete operation	step 5

4 Click OK. Go to step 6.

5 Click Cancel.

6 You have completed this procedure.

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.

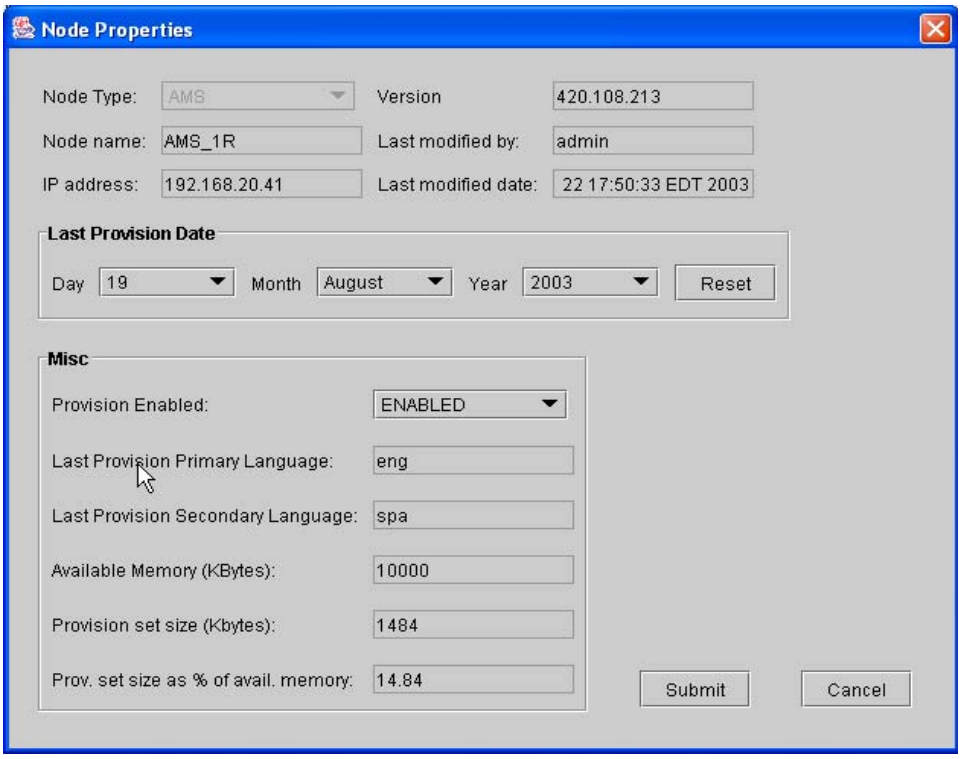
If	Do
you want to change the Last Provision Date for the node	step 3
you don't want to change the Last Provision Date for the node	step 10

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 6
you want to change the Last Provision Date to a date other than the system default	step 7

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

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.

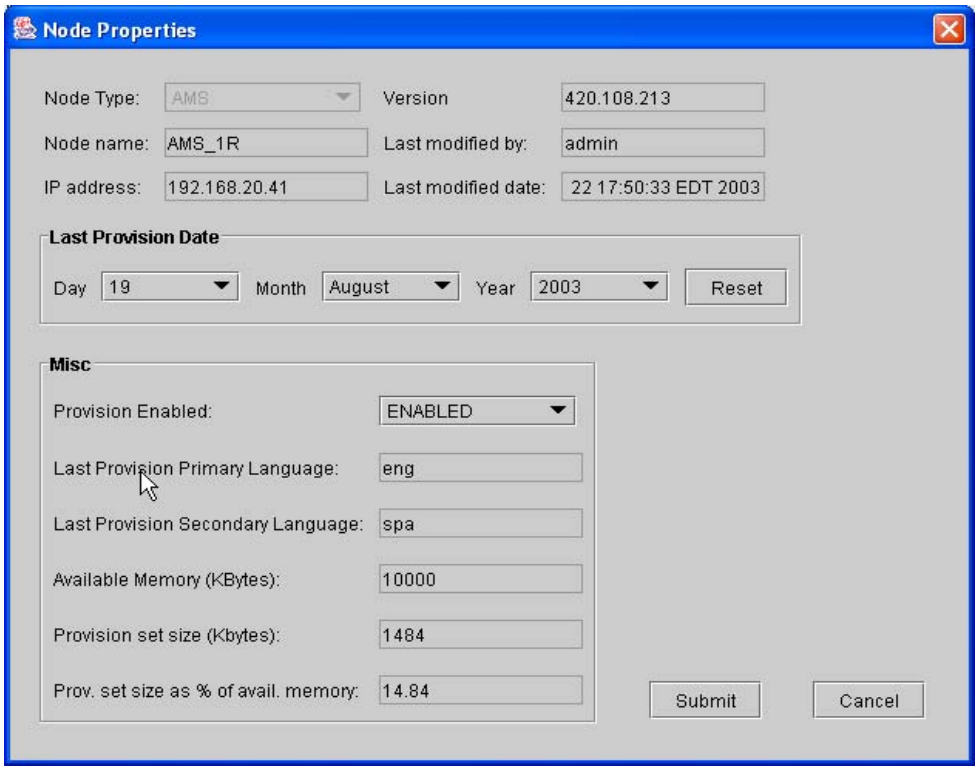
If	Do
you want to change the Last Provision Date for the node	step 3
you don’t want to change the Last Provision Date for the node	step 7

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 5
you want to cancel	step 6

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

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 be 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 be 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.

Building an export package

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.

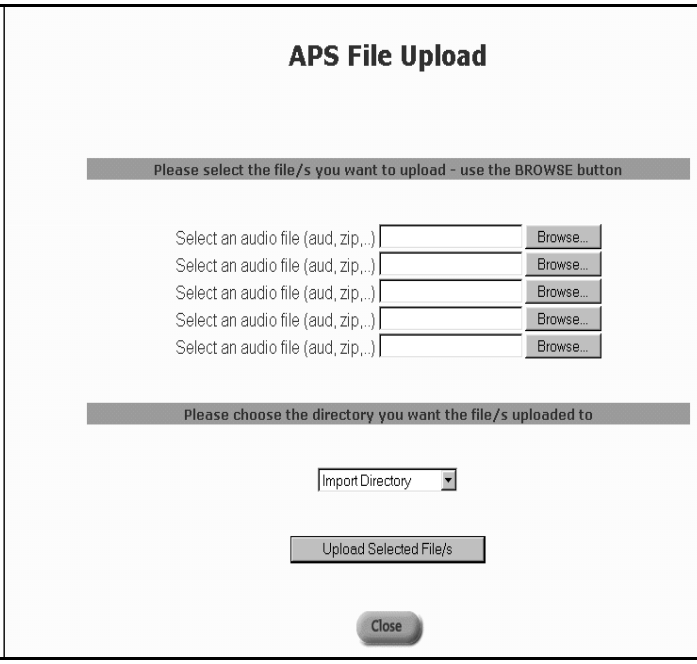
Uploading audio files

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



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.

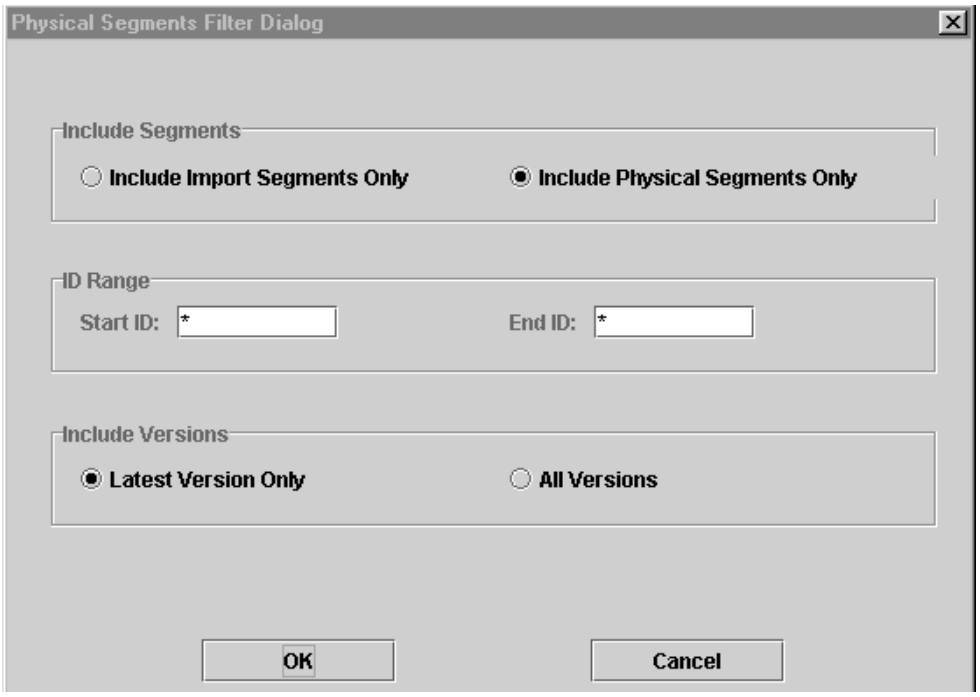
Filtering physical segments

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



If	Do
you want to include physical segments only	step 2
you want to include import segments only	step 3
you want to cancel	step 4

2 Click the Include Physical Segments Only radio button.

a Enter a start ID and an end ID, or keep the default.

b Click the radio button to include latest versions or click the radio button to include all versions.

c Click OK.

The Physical Segments table is populated with the physical segments of the type you specified.

Note: If you enter an invalid filter setting, click OK in the Invalid Filter Settings window. Repeat step 2a.

d Go to step 5.

3 Click the Include Import Segments Only radio button

a Click OK.

The Physical Segments table is populated with the import segments found in your import directory on the APS.

b Go to step 5.

4 Click Cancel.

5 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.

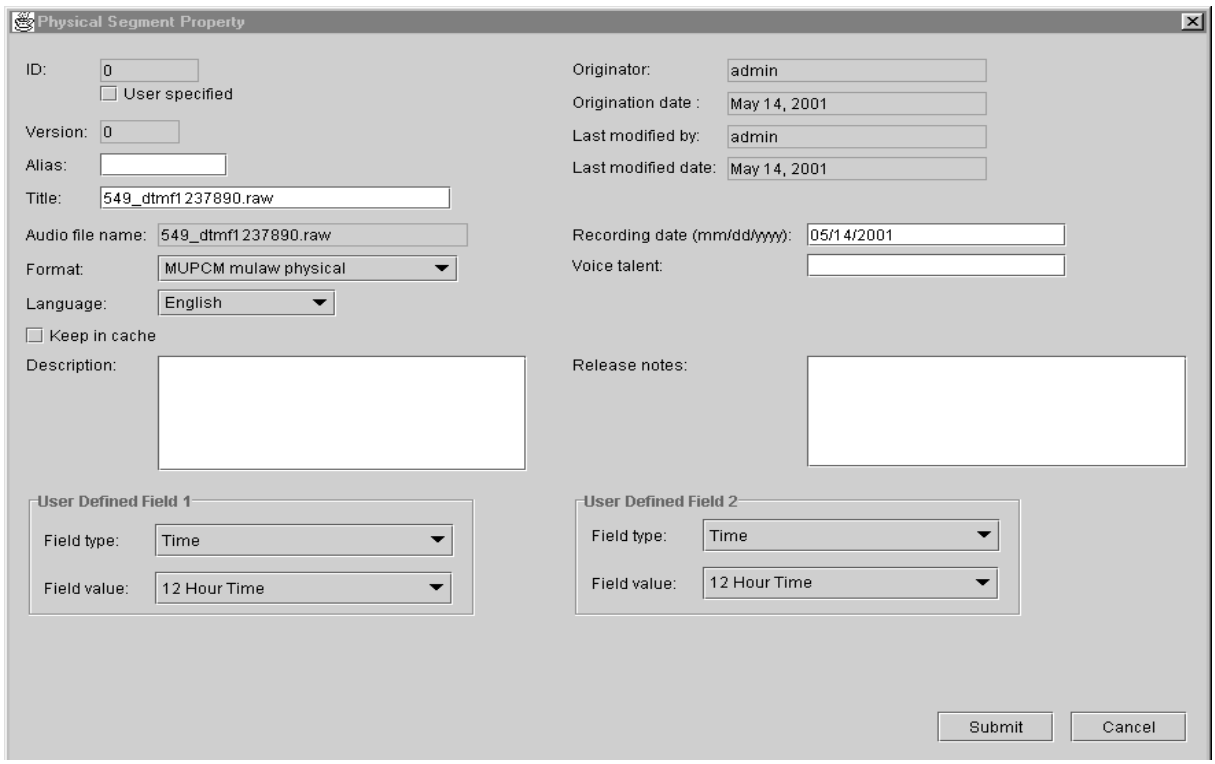
4 Select an import segment in the Physical Segments table.

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



6 Enter the following information about the physical segment.

- ID
- Alias
- Title
- Format (mandatory)

  Note: **If the segment is to 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 7
you want to submit the operation	step 8

7 Click Cancel. Go to step 10.

8 Click Submit.

If	Do
you entered an invalid or non-unique alias	Procedure Correcting an invalid or non-unique alias
you entered an invalid or non-unique segment ID	Procedure Correcting an invalid or non-unique segment ID
you entered both an invalid alias and an invalid segment ID	Procedure Correcting invalid aliases and segment IDs
you entered both a non-unique alias and a non-unique segment ID	Procedure Correcting non-unique aliases and segment IDs
the operation was successful	step 9

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 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 alias	Procedure Correcting an invalid or non-unique alias
the operation was successful	step 6

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

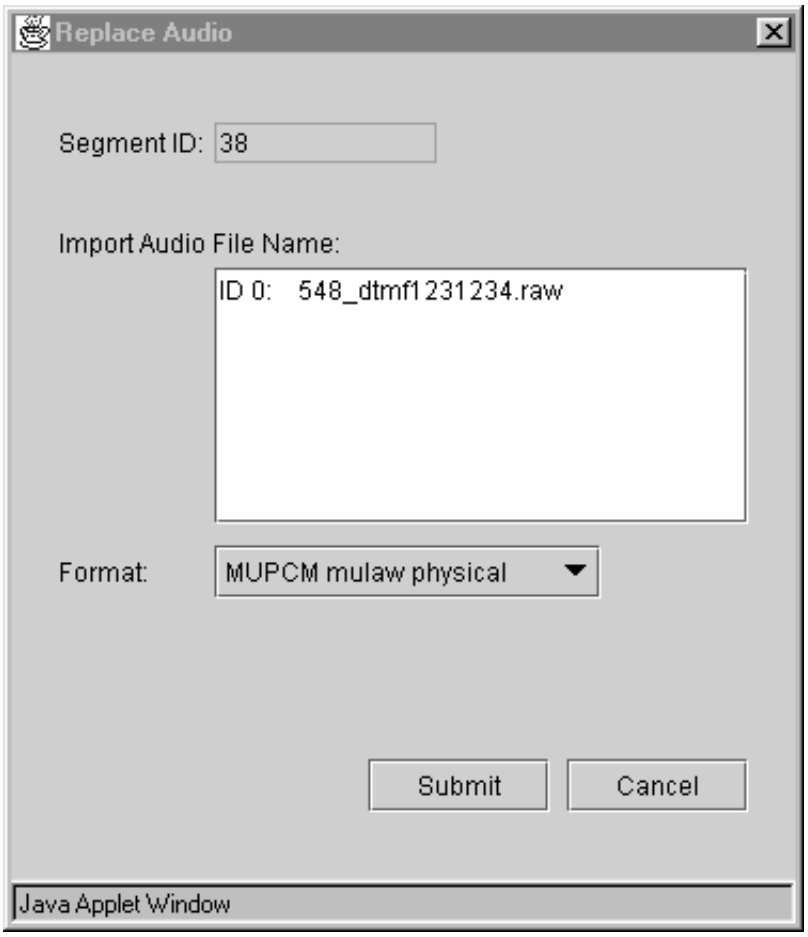
At the APS Audio Management Tool screen

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

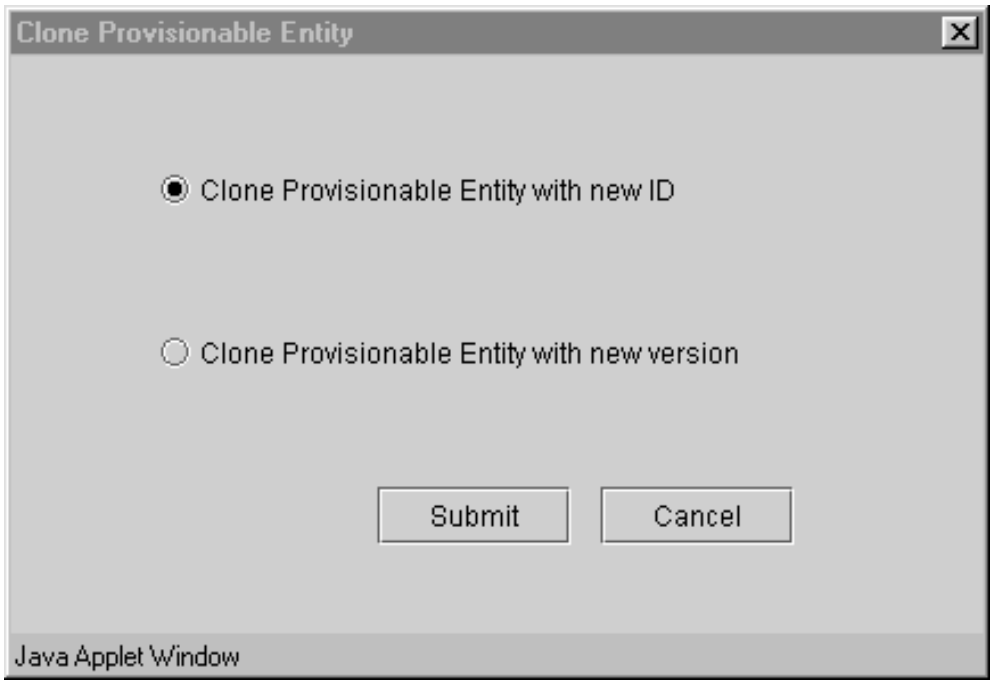
At the APS Audio Management Tool screen

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 3
you want to clone a provisionable entity with a new version	step 4
you want to cancel	step 5

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 Correcting an invalid or non-unique alias
you entered an invalid or non-unique segment ID	Procedure Correcting an invalid or non-unique segment ID
you entered both an invalid alias and an invalid segment ID	Procedure Correcting invalid aliases and segment IDs
you entered both a non-unique alias and a non-unique segment ID	Procedure Correcting non-unique aliases and segment IDs
the operation was successful	step 6

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

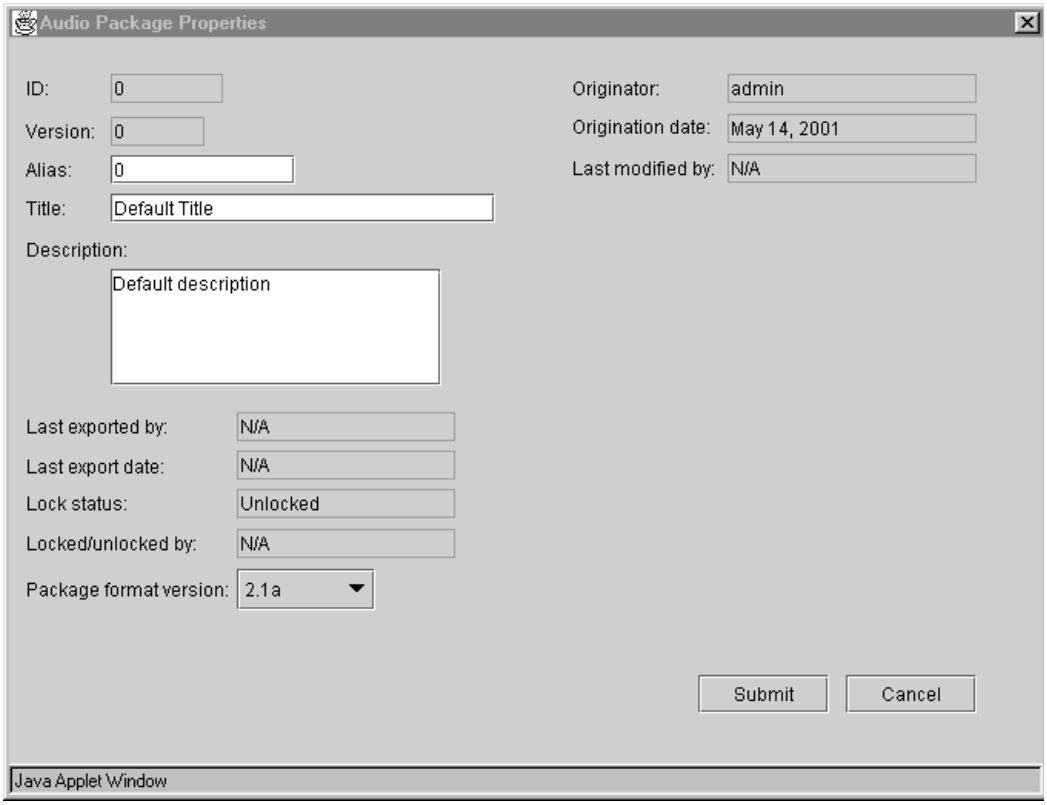
At the APS Audio Management Tool screen

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



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 alias	Procedure 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 3
you are attempting to lock an audio package and the audio package is unlocked by a different user	step 4
you are attempting to lock an audio package and the audio package contains a non-simple set	step 5
if the lock or unlock operation was successful	step 6

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 5
you want to submit the operation	step 6

5 Click Cancel. Go to step 7.

6 Click Submit.

If	Do
you entered an invalid or non-unique alias	Procedure Correcting an invalid or non-unique alias
the operation was successful	step 7

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 4
you want to clone the export package with a new version	step 5
you want to cancel	step 6

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.)

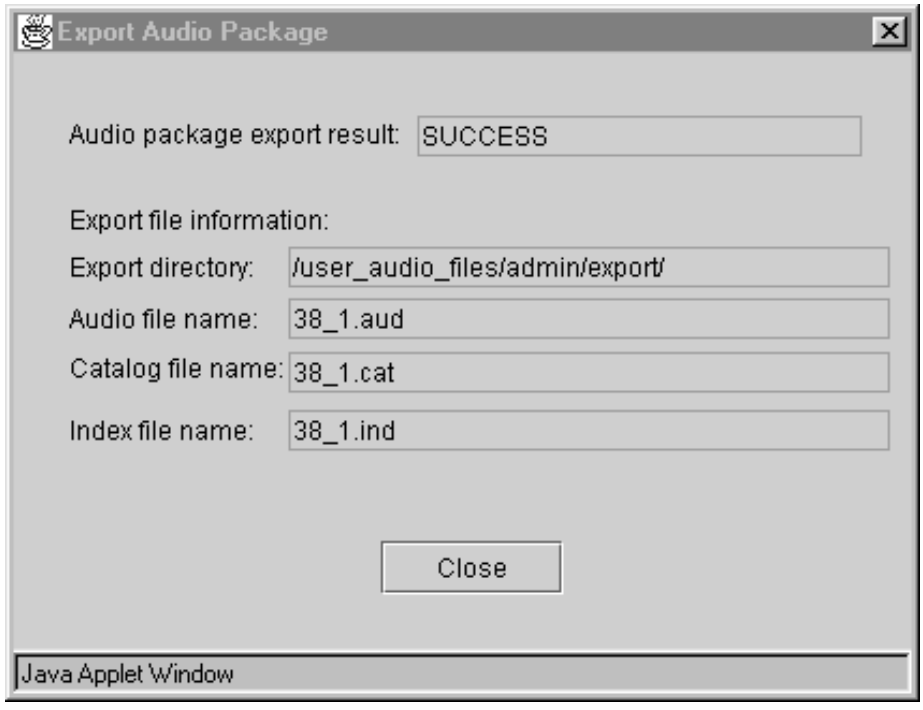
3 Click the Export button on the menu tool bar.

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



5 Read the export result and export file information.

6 Click Close.

If	Do
you attempted to export an audio package that another user deleted	step 7
you attempted to export an unlocked audio package	step 8
you attempted to export an audio package that contains invalid physical segments	step 9
you attempted to export an audio package that contains a non-simple set	step 10
the export operation was successful	step 11

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.

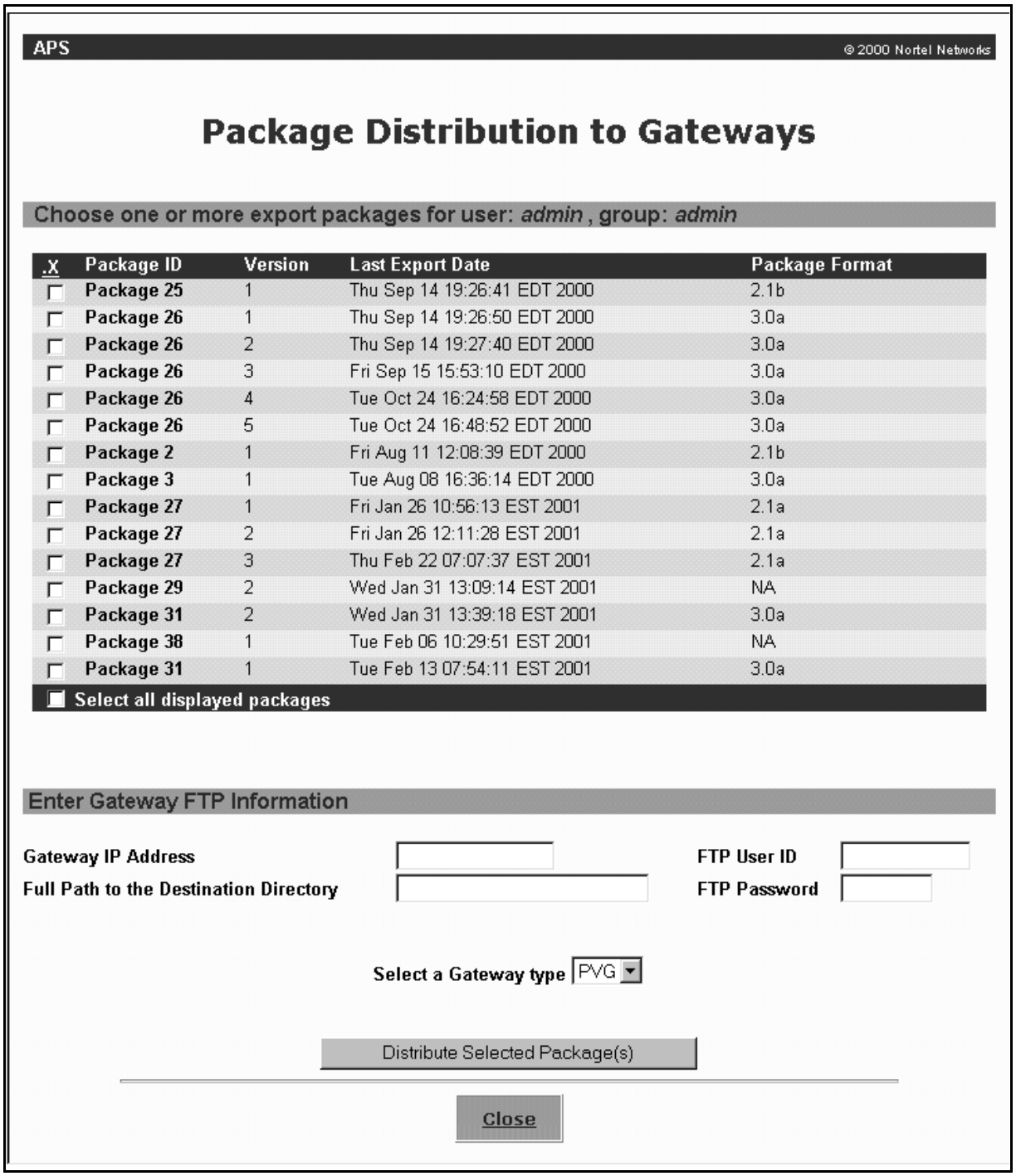
Distributing audio packages

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



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 3
you want to submit the operation	step 4

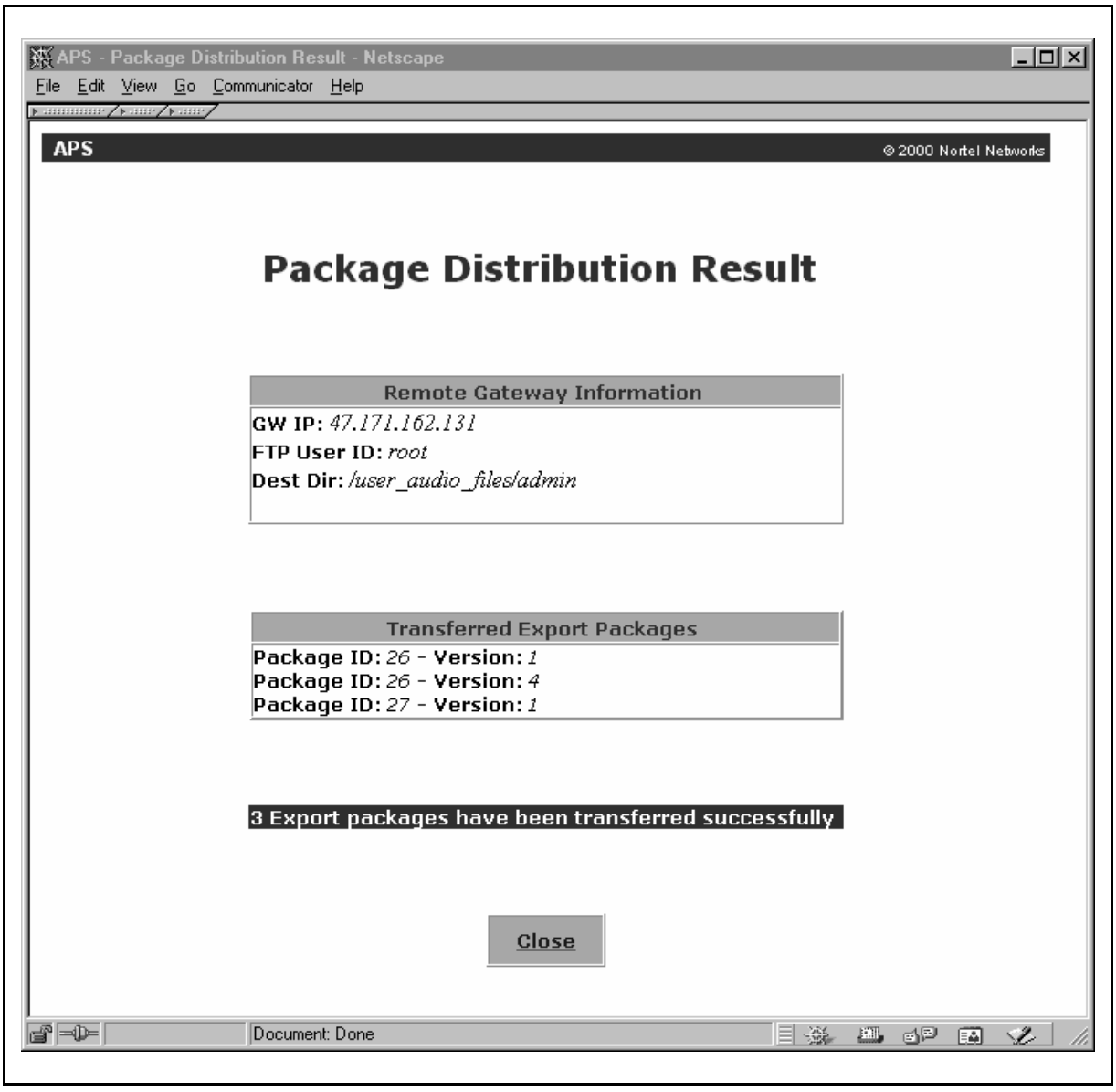
3 Click Close.

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

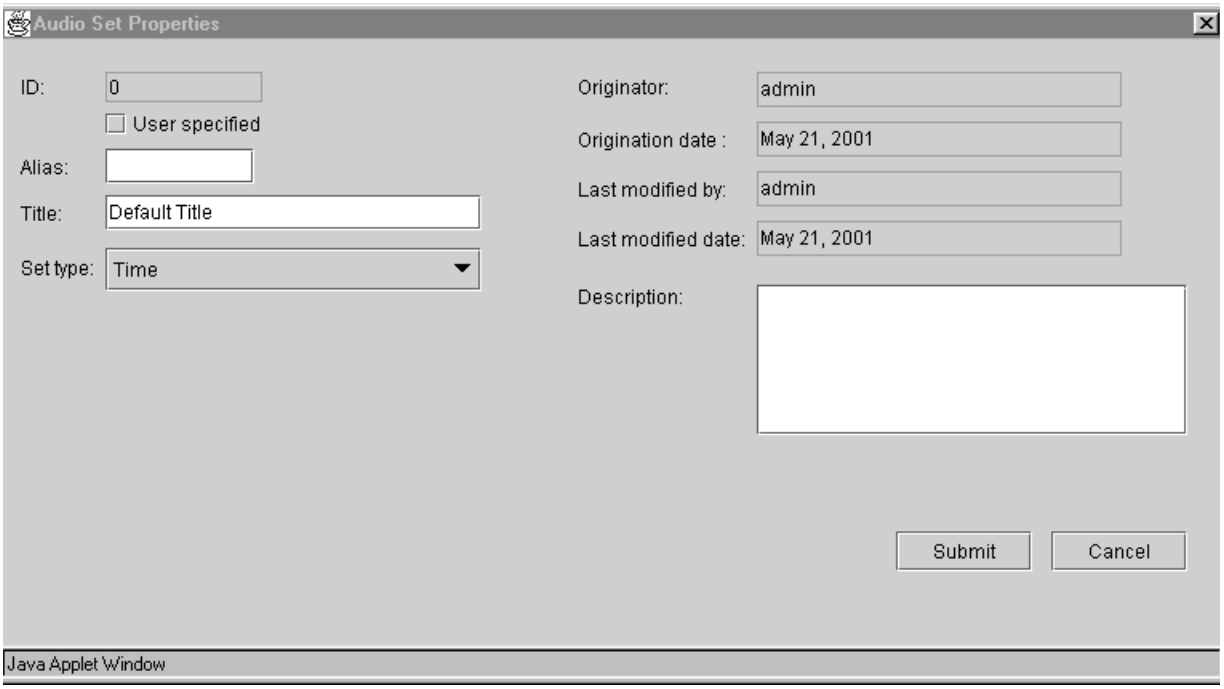
At the APS Audio Management Tool screen

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



3 Enter the following information about the audio set:

- ID
- Alias
- Title
- Set Type
- Description

If	Do
you want to cancel	step 4

If	Do
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 alias	Procedure Correcting an invalid or non-unique alias
you entered an invalid or non-unique segment ID	Procedure Correcting an invalid or non-unique segment ID
you entered both an invalid alias and an invalid segment ID	Procedure Correcting invalid aliases and segment IDs
you entered both a non-unique alias and a non-unique segment ID	Procedure Correcting non-unique aliases and segment IDs
the operation was successful	step 6

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 2
you want to add a physical segment to an audio set	step 3

If	Do
you want to add a sequence to an audio set	step 4
you want to add an audio variable to an audio set	step 5

2 Select an audio set in the Audio Container tree. Go to step 6.

3 Click the Refresh button in the physical segments panel.

The Physical Segments table is populated with the physical segments stored in the database.

a Select a segment in the Physical Segments table to be copied to an audio set.

b Go to step 6.

4 Select an Audio Sequence folder in the Audio Container tree.

The Contents table is populated with the audio sequences in the APS database.

a Select an audio sequence in the Contents table to be copied to an audio set.

b Go to step 6.

5 Select the Audio Variables folder in the Audio Container tree.

The Contents table is populated with the audio variables in the APS database.

a Select an audio variable in the Contents table to be copied to an audio set.

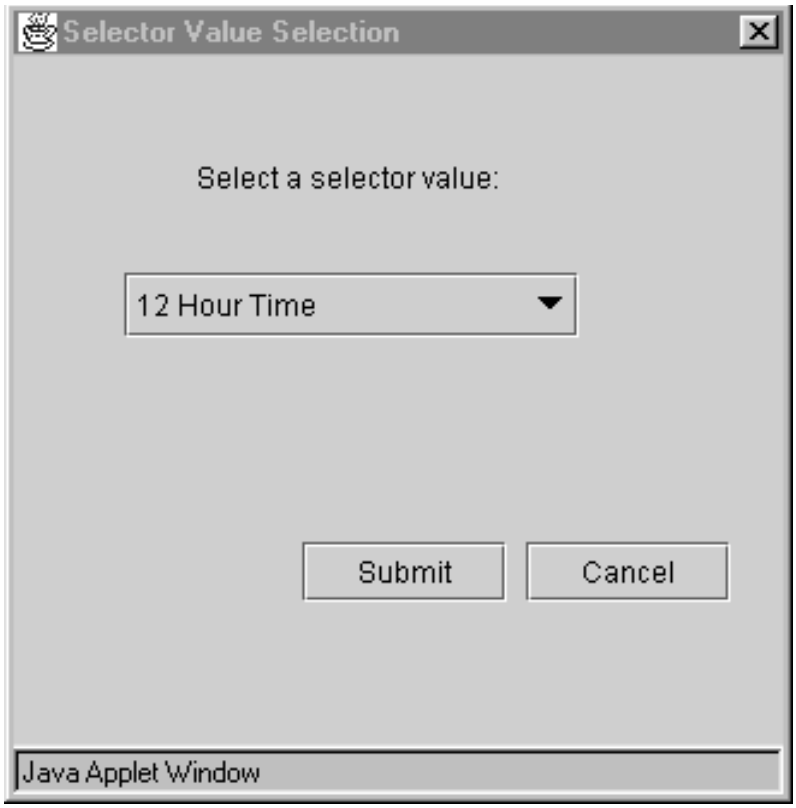
6 Click the Copy button on the menu tool bar.

7 In the Audio Container tree, select an audio set to which the copied entity is to be added.

8 Click the Paste button on the menu tool bar.

The Selector Value Selection window opens.

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 10
you want to cancel the selector value	step 11

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.

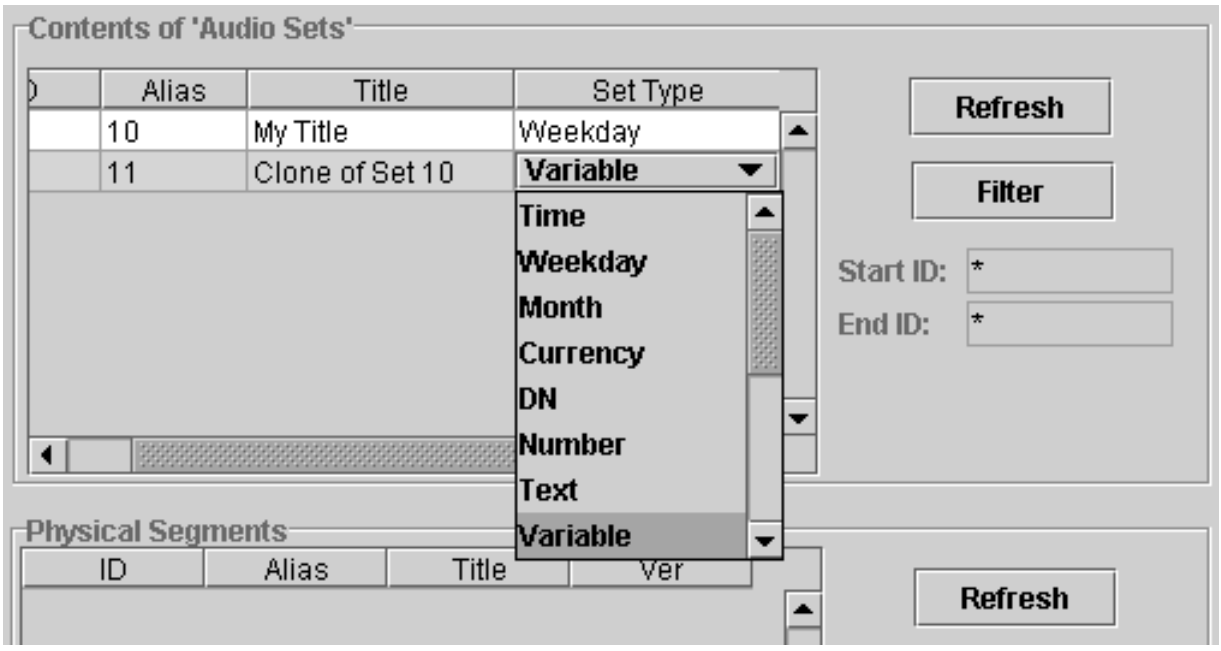
The Contents table is populated with a list of audio sets.

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 5
you want to cancel the set type change	step 6
the operation was successful	step 7

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 5
you want to submit the operation	step 6

5 Click Cancel. Go to step 8.

6 Click Submit.

If	Do
you entered an invalid or non-unique alias	Procedure Correcting an invalid or non-unique alias
you attempted to change the set type of a non-empty set	Step 7
the operation was successful	step 8

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.

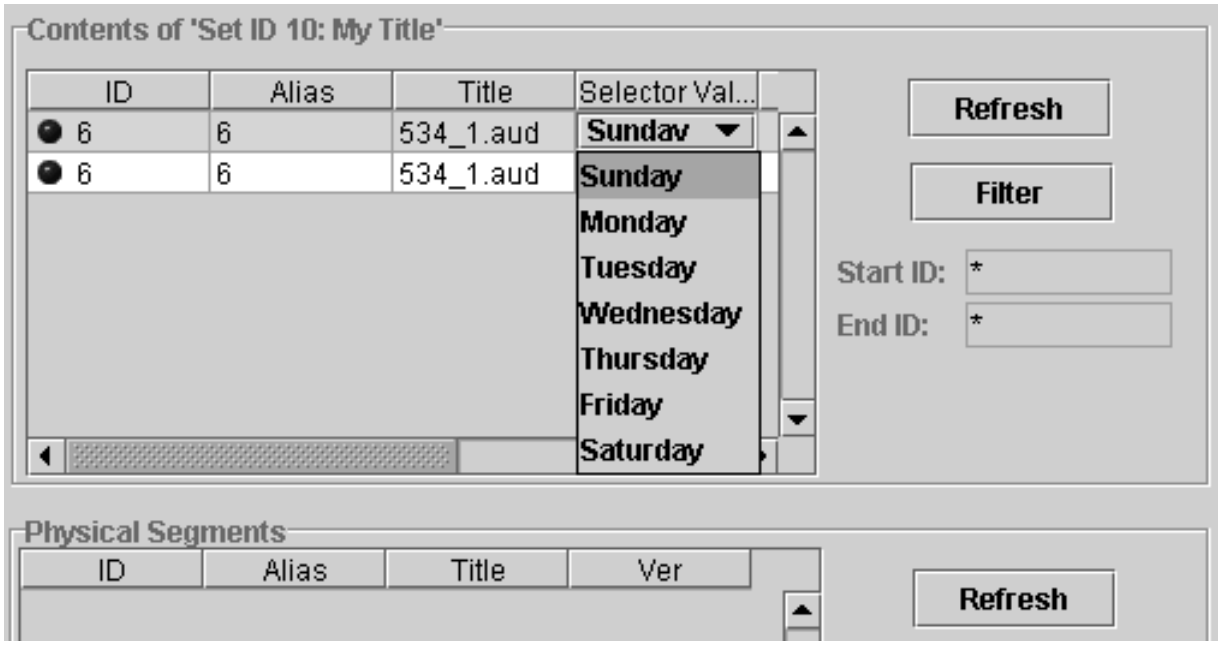
The Contents table is populated with the elements in the Audio set.

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 6
the change was successful	step 7

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.

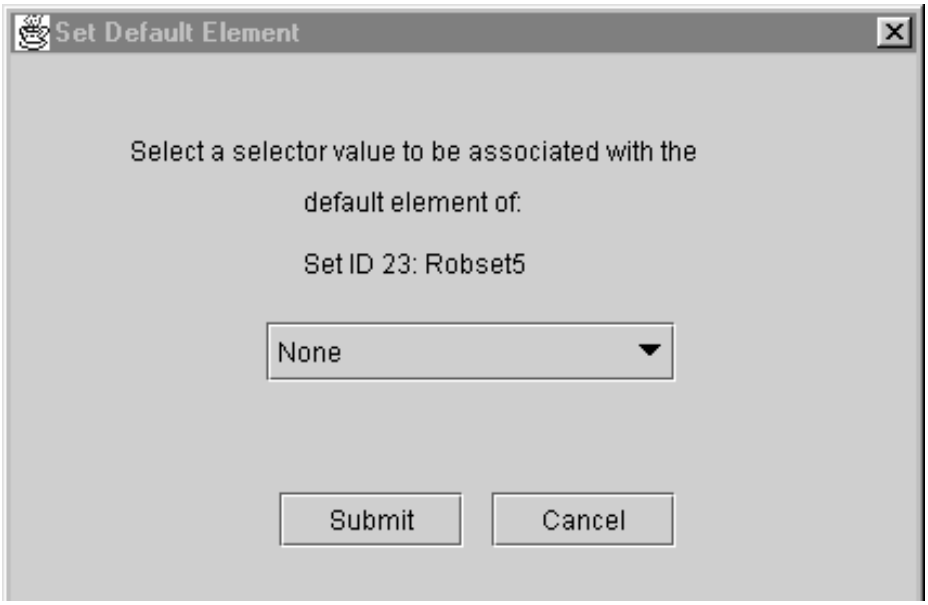
2 Select an audio set in the Audio Container tree in which the set default element is to be changed.

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



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 6
you want to cancel	step 7

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 5
you want to submit the operation	step 6

5 Click Cancel. Go to step 7.

6 Click Submit.

If	Do
you entered an invalid or non-unique alias	Procedure Correcting an invalid or non-unique alias
you entered an invalid or non-unique segment ID	Procedure Correcting an invalid or non-unique segment ID
you entered both an invalid alias and an invalid segment ID	Procedure Correcting invalid aliases and segment IDs
you entered both a non-unique alias and a non-unique segment ID	Procedure Correcting non-unique aliases and segment IDs
the operation was successful	step 7

7 You have completed this procedure.

Creating sequences

Creating sequences

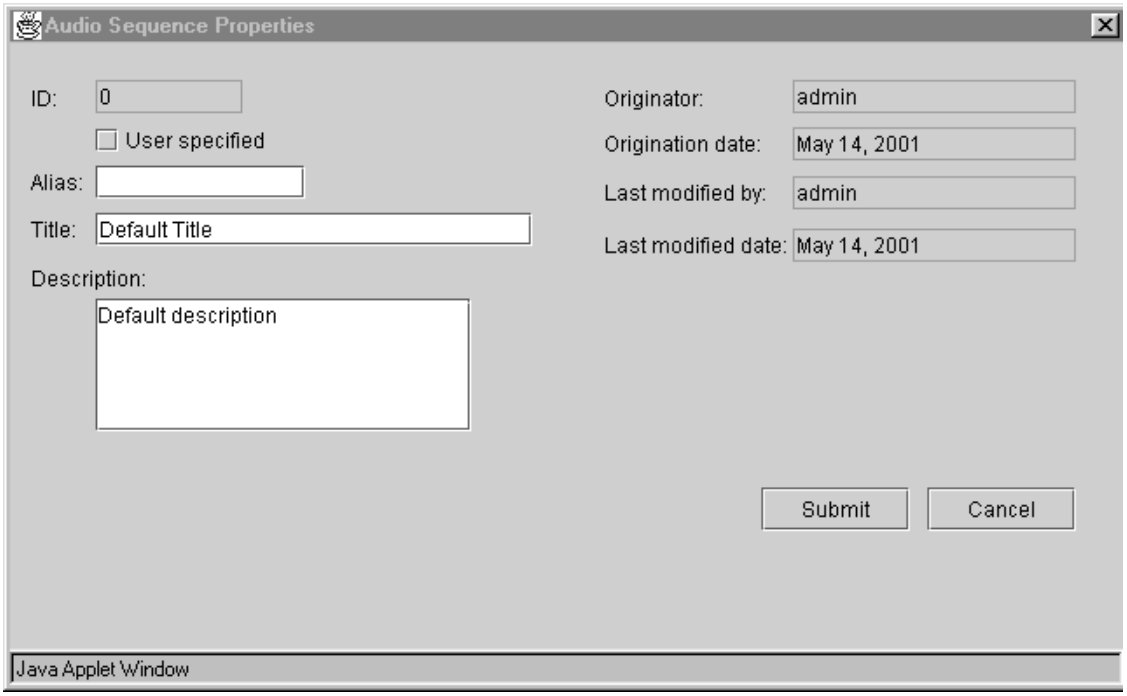
At the APS Audio Management Tool screen

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



3 Enter information for the following fields in the Audio Sequence Properties window:

- Segment ID
- Alias
- Title
- Description

If	Do
you want to cancel	step 4

If	Do
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 alias	Procedure Correcting an invalid or non-unique alias
you entered an invalid or non-unique segment ID	Procedure Correcting an invalid or non-unique segment ID
you entered both an invalid alias and an invalid segment ID	Procedure Correcting invalid aliases and segment IDs
you entered both a non-unique alias and a non-unique segment ID	Procedure Correcting non-unique aliases and segment IDs
the operation was successful	step 6

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 3
you want to add an audio sequence to an audio sequence	step 4
you want to add an audio variable to an audio sequence	step 5
you want to add an audio set to an audio sequence	step 6

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.

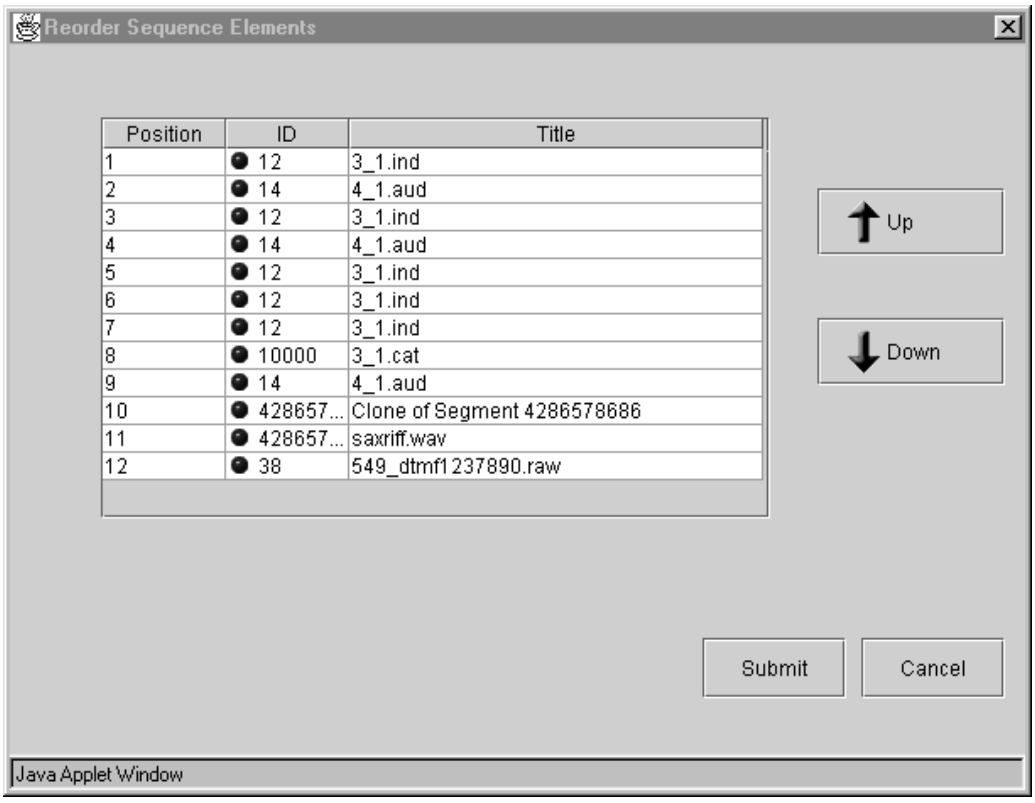
2 Select an audio sequence in the Audio Container tree.

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 6
you want to cancel the changes	step 7

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 5
you want to submit the operation	step 6

5 Click Cancel. Go to step 7.

6 Click Submit.

If	Do
you entered an invalid or non-unique alias	Procedure Correcting an invalid or non-unique alias
the operation was successful	step 7

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 5
you want to submit the operation	step 6

5 Click Cancel. Go to step 7.

6 Click Submit.

If	Do
you enter an invalid or non-unique alias	Procedure Correcting an invalid or non-unique alias
you enter an invalid or non-unique segment ID	Procedure Correcting an invalid or non-unique segment ID
you entered both an invalid alias and an invalid segment ID	Procedure Correcting invalid aliases and segment IDs
you entered both a non-unique alias and a non-unique segment ID	Procedure Correcting non-unique aliases and segment IDs
the operation was successful	step 7

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

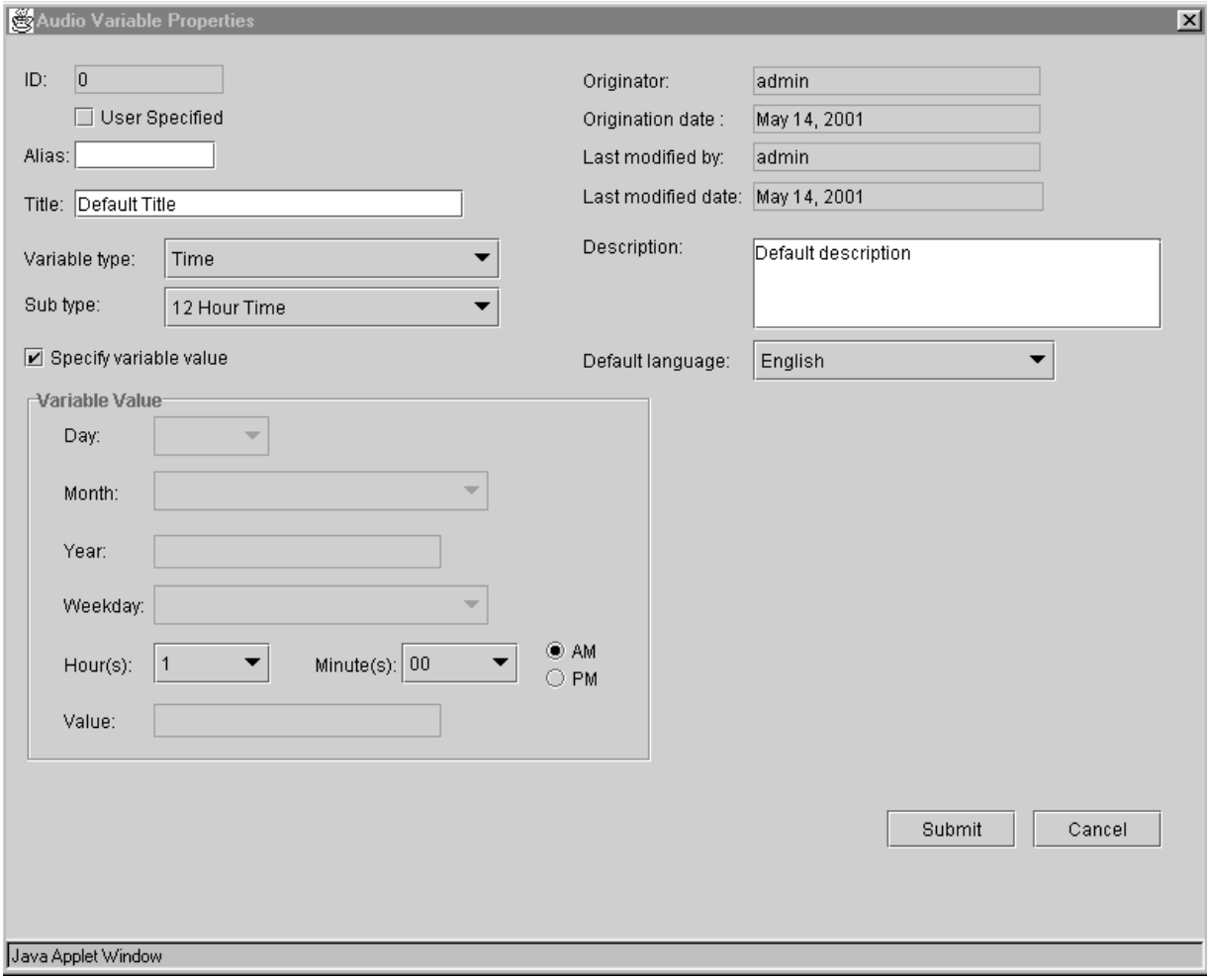
At the APS Audio Management Tool screen

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



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
		May
		June
		July
		August
		September
		October
		November
		December
Currency	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
	Philippine peso	
	Portuguese escudo	
	Thai baht	
	US Dollar	
DN	North American DN	
	Generic DN	
Number	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.

If	Do
you entered an invalid or non-unique alias	Procedure Correcting an invalid or non-unique alias
you entered an invalid or non-unique segment ID	Procedure Correcting an invalid or non-unique segment ID
you entered both an invalid alias and an invalid segment ID	Procedure Correcting invalid aliases and segment IDs
you entered both a non-unique alias and a non-unique segment ID	Procedure Correcting non-unique aliases and segment IDs
the operation was successful	step 6

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 5
you want to submit the changes	step 6

5 Click Cancel. Go to step 7.

6 Click Submit.

If	Do
you entered an invalid or non-unique alias	Procedure Correcting an invalid or non-unique alias
the operation was successful	step 7

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.

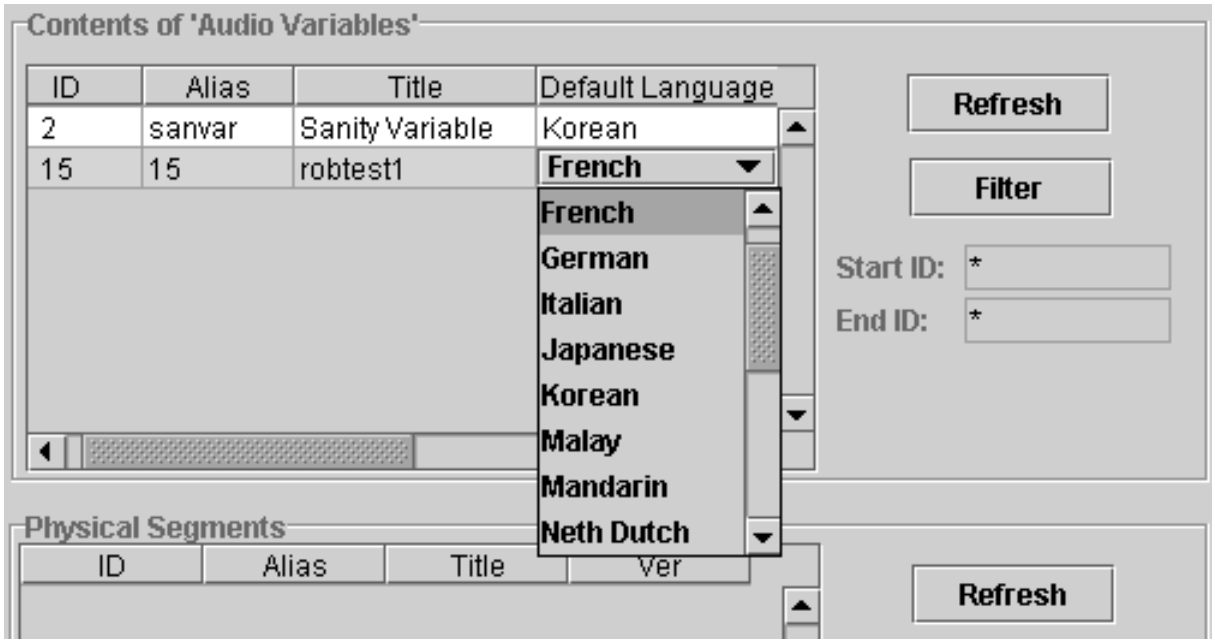
The Contents table is populated with a list of audio variables.

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.

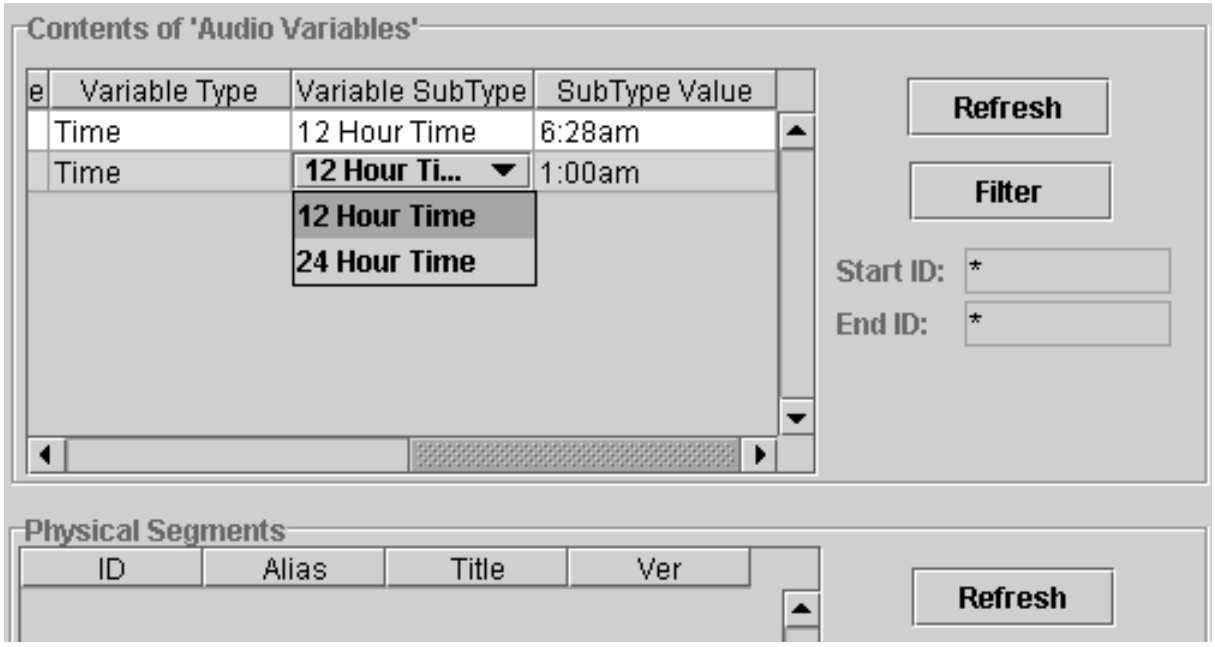
2 Select an audio variable in the Contents table.

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



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 5
you want to submit the operation	step 6

5 Click Cancel. Go to step 7.

6 Click Submit.

If	Do
you entered an invalid or non-unique alias	Procedure Correcting an invalid or non-unique alias
you entered an invalid or non-unique segment ID	Procedure Correcting an invalid or non-unique segment ID
you entered both an invalid alias and an invalid segment ID	Procedure Correcting invalid aliases and segment IDs
you entered both a non-unique alias and a non-unique segment ID	Procedure Correcting non-unique aliases and segment IDs
the operation was successful	step 7

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 6
you want to create a subfolder under an existing language version folder or subfolder	step 3

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 b
the folder is empty	step d

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.

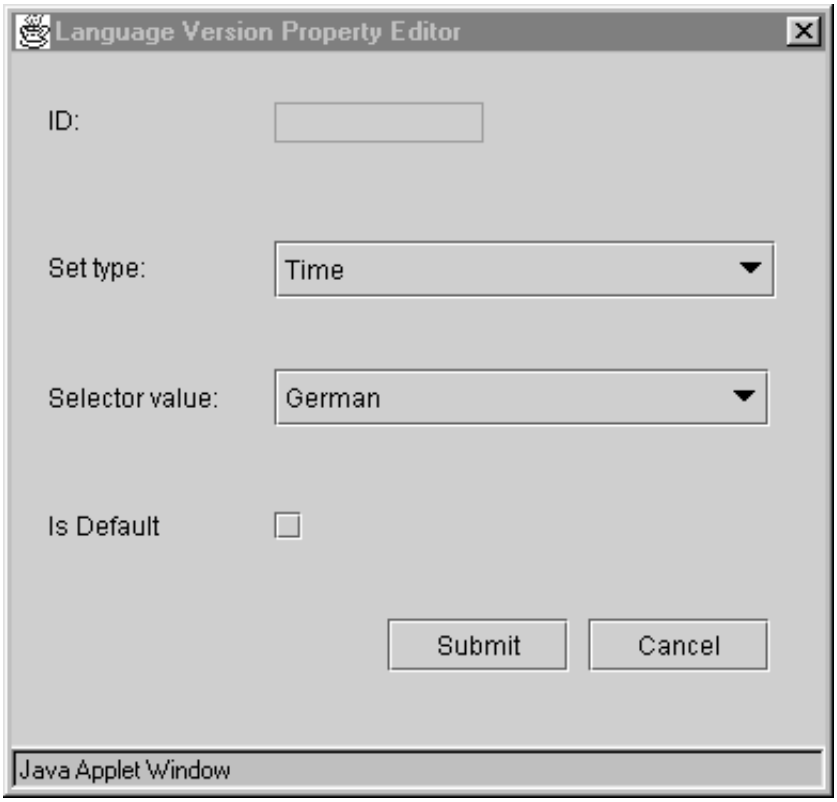
d Determine whether the New button, located on the menu tool bar, is enabled.

If	Do
the New button is enabled	step 6
the New button is not enabled	step e

e Click the Edit button, located on the menu tool bar.

The Language Version Property Editor window opens.

Language Version Property Editor 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 4
you want to submit the operation	step 5

4 Click Cancel. Go to step 10.

5 Submit the changes and prepare the folder for adding a subfolder.

a Click Submit.

b Click the handle icon located next to the Language Versions tree to close the tree display.

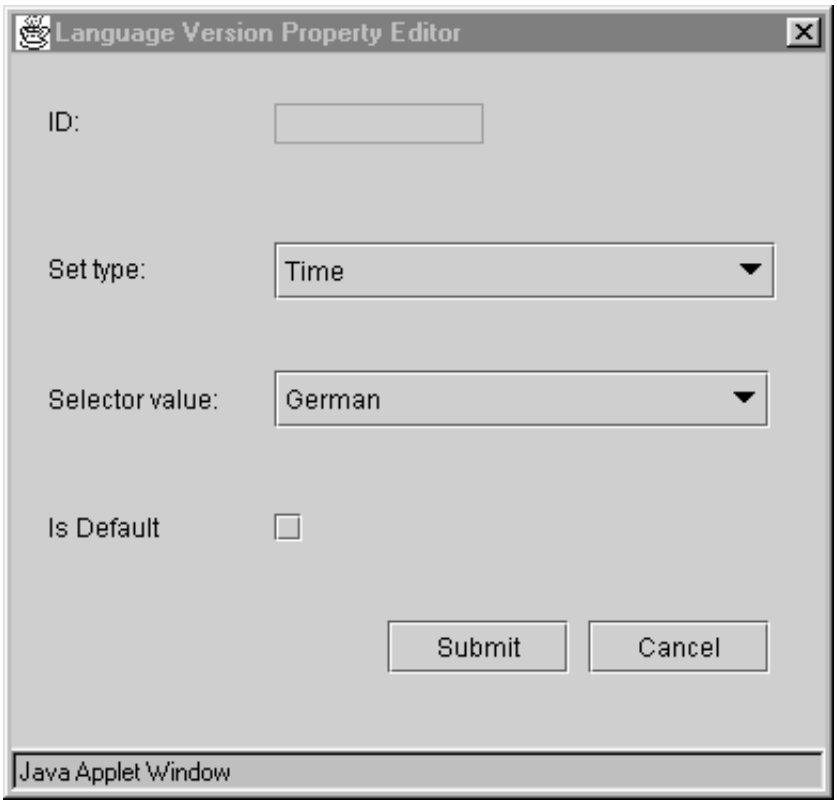
c Click the handle icon located next to the Language Versions tree again, to open the tree display.

d 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 8
you want to submit the operation	step 9

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 5
you want to submit the operation	step 6

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.

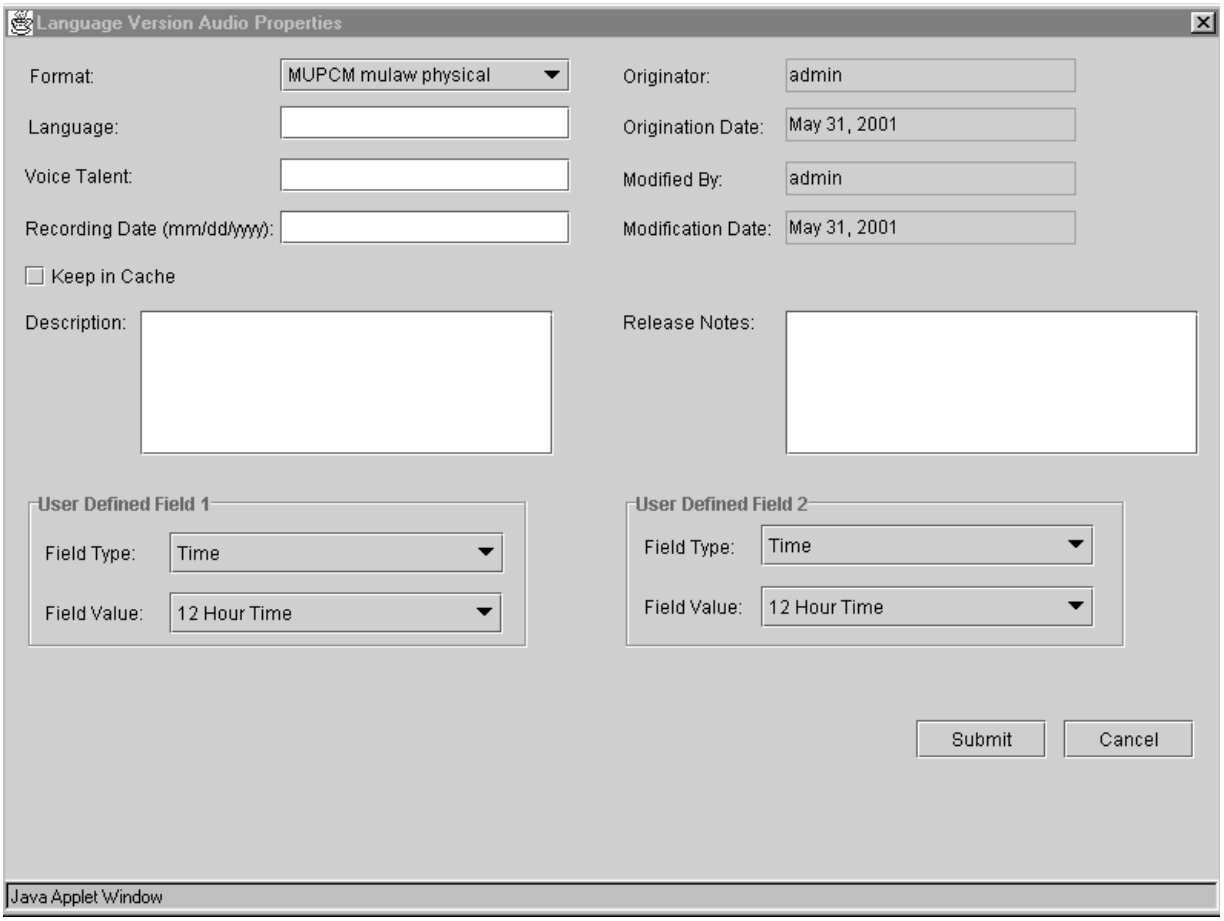
The Confirm Bulk Add Language Version window opens.

> ***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



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 6
you want to submit the operation	step 7

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 folde

r 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 4
you want to submit the deletion	step 5

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.

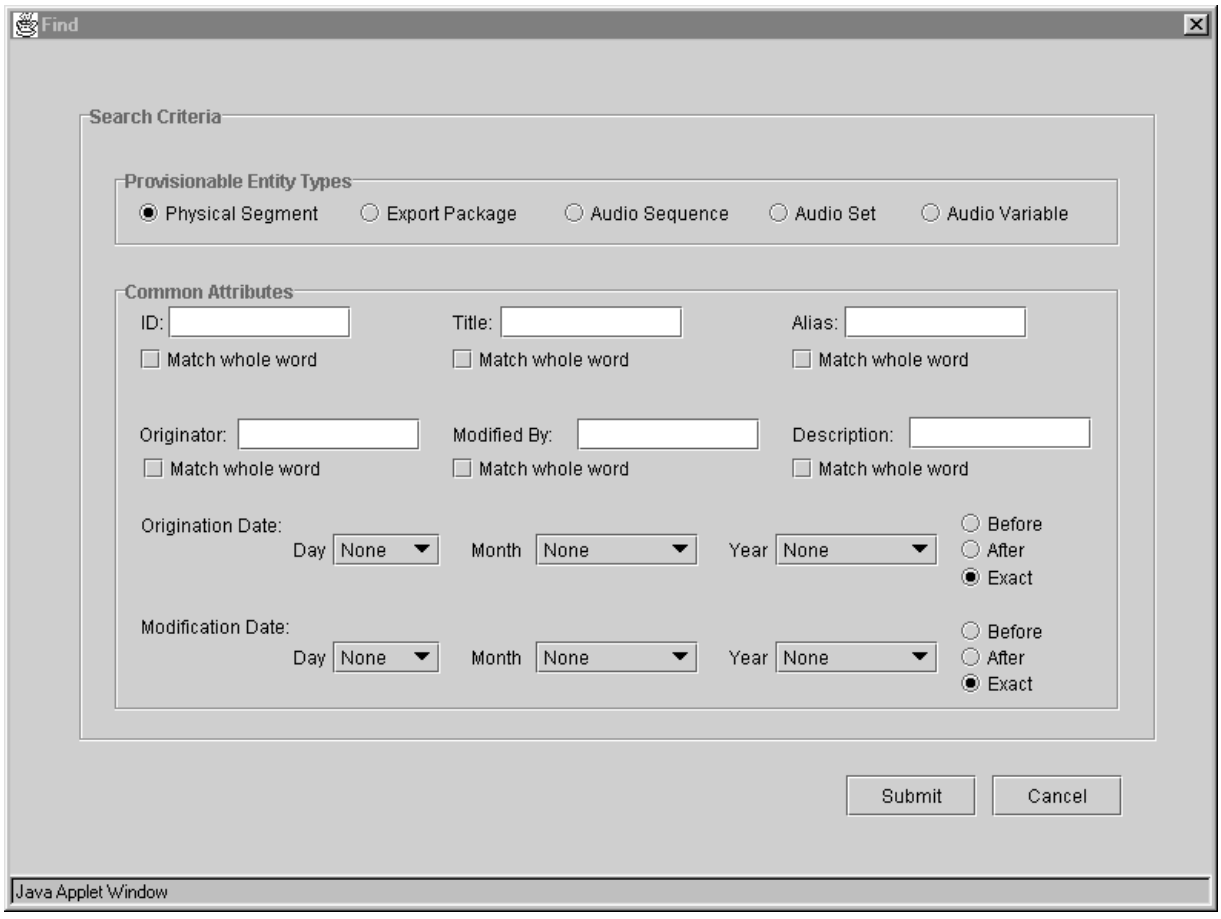
Finding provisionable entities

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



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 4
you want to cancel the request	step 5

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

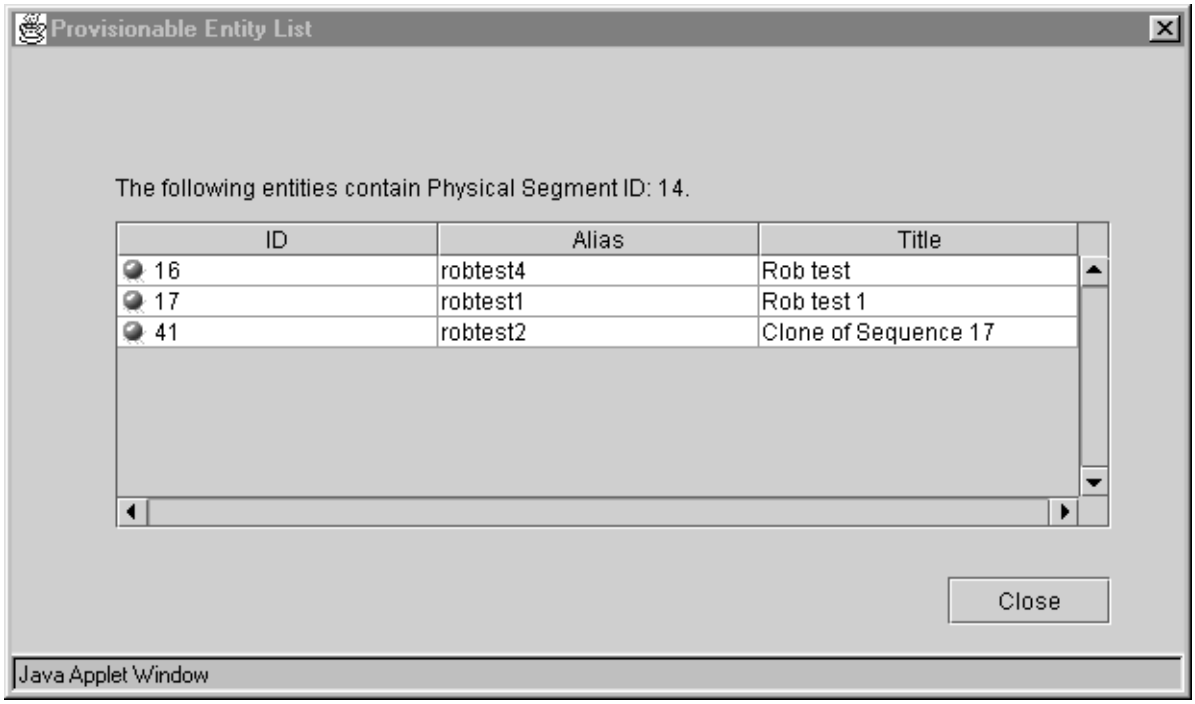
At the APS Audio Management Tool screen

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 3
you want to cancel	step 4
the segment is contained in another provisionable entity	step 5

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

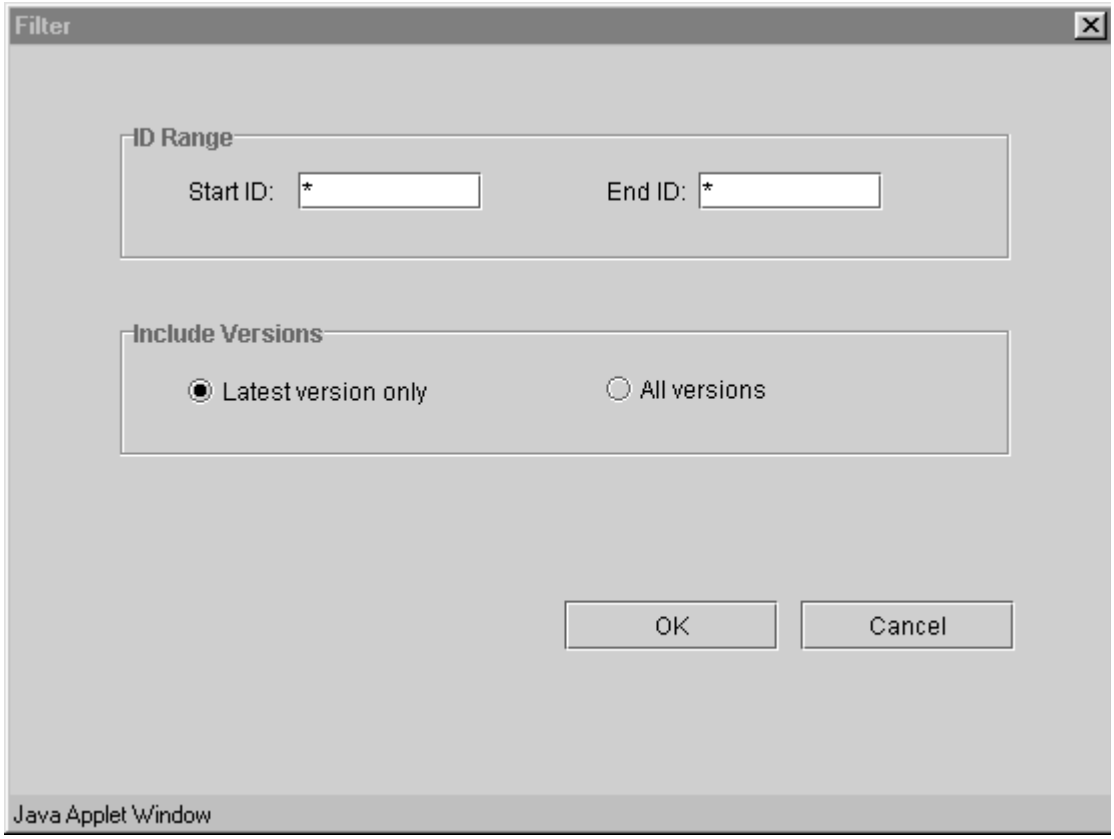
1 Select a folder in the Audio Container tree for which you want to set a container filter.

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



3 Enter a Start ID and End ID or keep the default values.

If	Do
you want to include the latest version only	step 4
you want to include all versions	step 5
you want to cancel	step 6

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

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 5
you want to cancel the cut operation	step 6

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

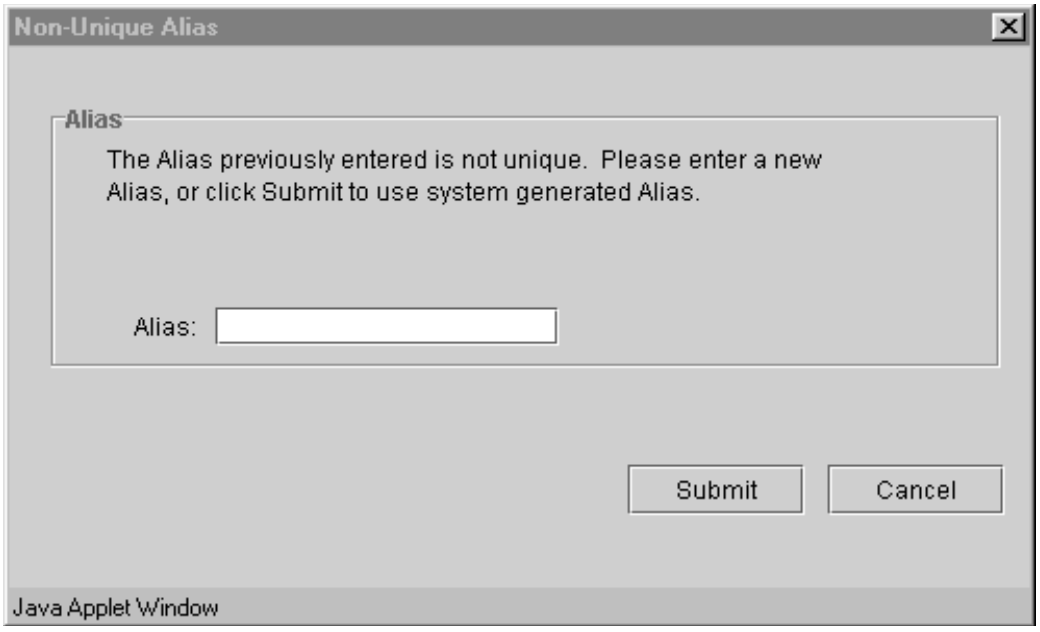
At the APS Audio Management Tool screen

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 2
you have entered an invalid alias	step 3

2 The Non-Unique Alias window opens.

Non-Unique Alias window



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

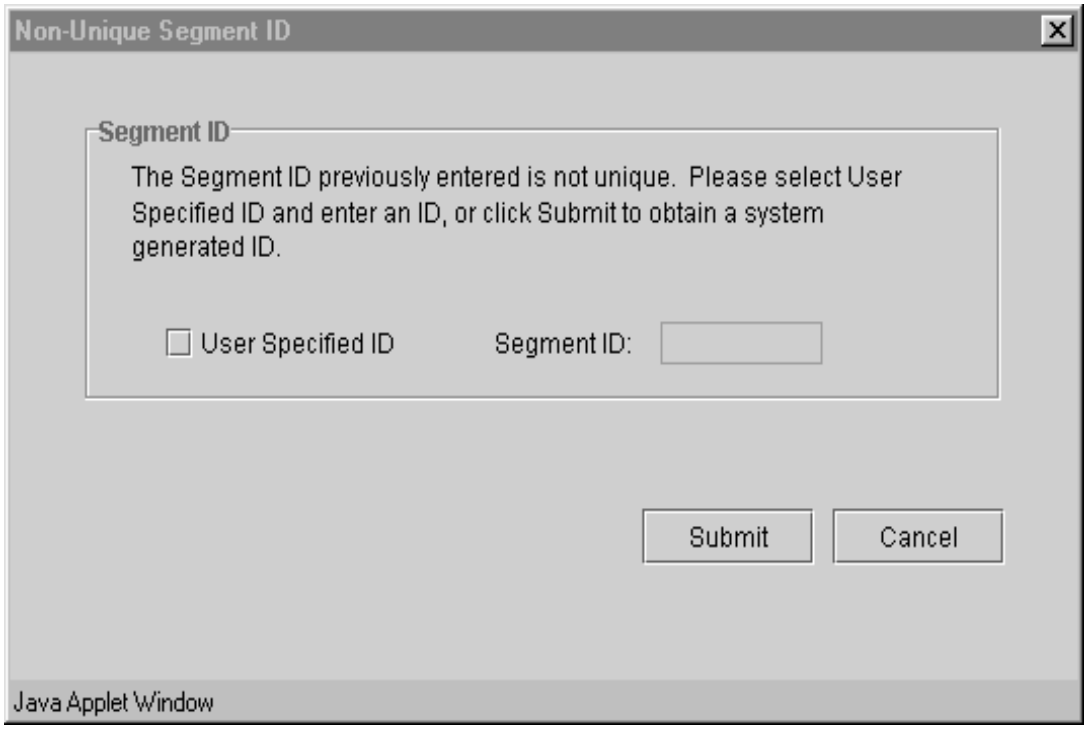
At the APS Audio Management Tool screen

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 2
you have entered an invalid segment ID	step 3

2 The Non-Unique Segment ID window opens.

Non-Unique Segment ID 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.

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.

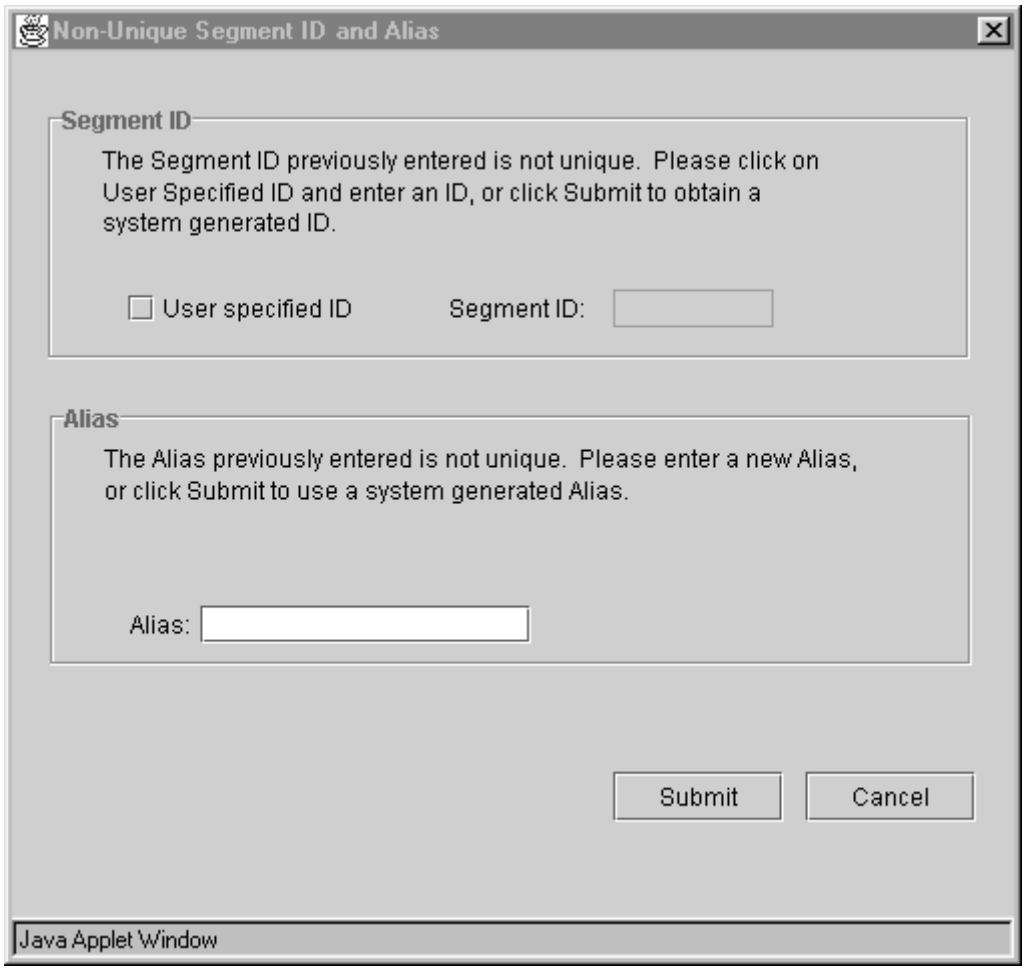
A segment ID must be less than or equal to 10 characters, a valid number, and within the range of segment IDs.

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



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.

Basque audio files

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)

Basque phrase or English equivalent	English	Phrase intonation	File name
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)

Basque phrase or English equivalent	English	Phrase intonation	File name
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)

Basque phrase or English equivalent	English	Phrase intonation	File name
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)

Basque phrase or English equivalent	English	Phrase intonation	File name
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)

Basque phrase or English equivalent	English	Phrase intonation	File name
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)

Basque phrase or English equivalent	English	Phrase intonation	File name
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)

Basque phrase or English equivalent	English	Phrase intonation	File name
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)

Basque phrase or English equivalent	English	Phrase intonation	File name
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)

Basque phrase or English equivalent	English	Phrase intonation	File name
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)

Basque phrase or English equivalent	English	Phrase intonation	File name
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)

Basque phrase or English equivalent	English	Phrase intonation	File name
hamahirugarren	thirteenth	flat	eus776
		rising	eus777
		falling	eus778
hamalaugarren	fourteenth	flat	eus780
		rising	eus781
		falling	eus782
hamabosgarren	fifteenth	flat	eus784
		rising	eus785
		falling	eus786
hamaseigarren	sixteenth	flat	eus788
		rising	eus789
		falling	eus790
hamazaspigarren	seventeenth	flat	eus792
		rising	eus793
		falling	eus794
hemezortzigarren	eighteenth	flat	eus796
		rising	eus797
		falling	eus798
hemeretzigarren	nineteenth	flat	eus800
		rising	eus801
		falling	eus802
hogeigarre	twentieth	flat	eus804
		rising	eus805
		falling	eus806
berrogeigarren	fortieth	flat	eus812
		rising	eus813
		falling	eus814

Basque audio (Sheet 13 of 64)

Basque phrase or English equivalent	English	Phrase intonation	File name
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
laukitxoa	pound sign	flat	eus896
	(#)	rising	eus897
		falling	eus898
izartxoa	asterisk	flat	eus900
	(*)	rising	eus901
		falling	eus902
dollar	dollar	flat	eus1200
	(US)	rising	eus1201
		falling	eus1202
cent	cent	flat	eus1208
	(US)	rising	eus1209
		falling	eus1210
mark	mark	flat	eus1216
	(Germany)	rising	eus1217
		falling	eus1218
pfennig	pfennig	flat	eus1224
	(Germany)	rising	eus1225
		falling	eus1226

Basque audio (Sheet 14 of 64)

Basque phrase or English equivalent	English	Phrase intonation	File name
yen	yen	flat	eus1232
	(Japan)	rising	eus1233
		falling	eus1234
lira	lira	flat	eus1240
	(Italy)	rising	eus1241
		falling	eus1242
guilder	guilder	flat	eus1248
	(Netherlands)	rising	eus1249
		falling	eus1250
cent	cent	flat	eus1256
	(Netherlands)	rising	eus1257
		falling	eus1258
pound	pound	flat	eus1264
	(UK)	rising	eus1265
		falling	eus1266
penny	penny	flat	eus1272
	(UK)	rising	eus1273
		falling	eus1274
euro	euro	flat	eus1280
	(Euro)	rising	eus1281
		falling	eus1282
eurocent	eurocent	flat	eus1288
	(Euro)	rising	eus1289
		falling	eus1290
franc	franc	flat	eus1296
	(France)	rising	eus1297
		falling	eus1298

Basque audio (Sheet 15 of 64)

Basque phrase or English equivalent	English	Phrase intonation	File name
centime	centime	flat	eus1304
	(France)	rising	eus1305
		falling	eus1306
peseta	peseta	flat	eus1312
	(Spain)	rising	eus1313
		falling	eus1314
peso	peso	flat	eus1328
	(Philippines)	rising	eus1329
		falling	eus1330
centavo	centavo	flat	eus1336
	(Philippines)	rising	eus1337
		falling	eus1338
ringgit	ringgit	flat	eus1344
	(Malaysia)	rising	eus1345
		falling	eus1346
sen	sen	flat	eus1352
	(Malaysia)	rising	eus1353
		falling	eus1354
baht	baht	flat	eus1360
	(Thailand)	rising	eus1361
		falling	eus1362
satang	satang	flat	eus1368
	(Thailand)	rising	eus1369
		falling	eus1370
won	won	flat	eus1376
	(Korea)	rising	eus1377
		falling	eus1378

Basque audio (Sheet 16 of 64)

Basque phrase or English equivalent	English	Phrase intonation	File name
franc	franc	flat	eus1384
	(Belgium)	rising	eus1385
		falling	eus1386
centime	centime	flat	eus1392
	(Belgium)	rising	eus1393
		falling	eus1394
dollar	dollar	flat	eus1400
	(Canada)	rising	eus1401
		falling	eus1402
cent	cent	flat	eus1408
	(Canada)	rising	eus1409
		falling	eus1410
dollar	dollar	flat	eus1416
	(Hong Kong)	rising	eus1417
		falling	eus1418
cent	cent	flat	eus1424
	(Hong Kong)	rising	eus1425
		falling	eus1426
gok	gok	flat	eus1488
	(Hong Kong)	rising	eus1489
		falling	eus1490
escudo	escudo	flat	eus1432
	(Portugal)	rising	eus1433
		falling	eus1434
centavo	centavo	flat	eus1440
	(Portugal)	rising	eus1441
		falling	eus1442

Basque audio (Sheet 17 of 64)

Basque phrase or English equivalent	English	Phrase intonation	File name
yuan	yuan	flat	eus1448
	(China)	rising	eus1449
		falling	eus1450
jiao	jiao	flat	eus1456
	(China)	rising	eus1457
		falling	eus1458
fen	fen	flat	eus1464
	(China)	rising	eus1465
		falling	eus1466
pound	pound	flat	eus1472
	(Ireland)	rising	eus1473
		falling	eus1474
penny	penny	flat	eus1480
	(Ireland)	rising	eus1481
		falling	eus1482
hogeita	twenty-and	flat	eus916
	(as in 21, 22, 23, ...,	rising	eus917
	31, 32, 33, ...)	falling	eus918
berrogeita	forty-and	flat	eus920
	(as in 41, 42 43, ..., 51, 52, 53, ...)	rising	eus921
		falling	eus922
hirurogeita	sixty-and	flat	eus924
	(as in 61, 62, 63, ...,	rising	eus925
	71, 72, 73, ...)	falling	eus926
laurogeita	eighty-and	flat	eus928
	(as in 81, 82, 83, ...,	rising	eus929
	91, 92, 93, ...)	falling	eus930

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Basque phrase or English equivalent	English	Phrase intonation	File name
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)

Basque phrase or English equivalent	English	Phrase intonation	File name
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)

Basque phrase or English equivalent	English	Phrase intonation	File name
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)

Basque phrase or English equivalent	English	Phrase intonation	File name
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)

Basque phrase or English equivalent	English	Phrase intonation	File name
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

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Basque phrase or English equivalent	English	Phrase intonation	File name
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
	in/on/at		
zero(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

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Basque phrase or English equivalent	English	Phrase intonation	File name
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

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Basque phrase or English equivalent	English	Phrase intonation	File name
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

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Basque phrase or English equivalent	English	Phrase intonation	File name
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

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Basque phrase or English equivalent	English	Phrase intonation	File name
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

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Basque phrase or English equivalent	English	Phrase intonation	File name
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

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Basque phrase or English equivalent	English	Phrase intonation	File name
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
	of		
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

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Basque phrase or English equivalent	English	Phrase intonation	File name
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

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Basque phrase or English equivalent	English	Phrase intonation	File name
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

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Basque phrase or English equivalent	English	Phrase intonation	File name
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

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Basque phrase or English equivalent	English	Phrase intonation	File name
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)

Basque phrase or English equivalent	English	Phrase intonation	File name
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
	by		
0(by)	by 0	flat	eus2400
		rising	eus2401
		falling	eus2402
1(by)	by 1	flat	eus2408
		rising	eus2409
		falling	eus2410

Basque audio (Sheet 37 of 64)

Basque phrase or English equivalent	English	Phrase intonation	File name
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

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Basque phrase or English equivalent	English	Phrase intonation	File name
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

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Basque phrase or English equivalent	English	Phrase intonation	File name
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

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Basque phrase or English equivalent	English	Phrase intonation	File name
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

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Basque phrase or English equivalent	English	Phrase intonation	File name
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

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Basque phrase or English equivalent	English	Phrase intonation	File name
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
	from		
0(from)	from 0	flat	eus2700
		rising	eus2701
		falling	eus2702

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Basque phrase or English equivalent	English	Phrase intonation	File name
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

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Basque phrase or English equivalent	English	Phrase intonation	File name
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

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Basque phrase or English equivalent	English	Phrase intonation	File name
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

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Basque phrase or English equivalent	English	Phrase intonation	File name
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

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Basque phrase or English equivalent	English	Phrase intonation	File name
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

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Basque phrase or English equivalent	English	Phrase intonation	File name
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		

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Basque phrase or English equivalent	English	Phrase intonation	File name
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

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Basque phrase or English equivalent	English	Phrase intonation	File name
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

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Basque phrase or English equivalent	English	Phrase intonation	File name
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

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Basque phrase or English equivalent	English	Phrase intonation	File name
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)		

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Basque phrase or English equivalent	English	Phrase intonation	File name
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

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Basque phrase or English equivalent	English	Phrase intonation	File name
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

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Basque phrase or English equivalent	English	Phrase intonation	File name
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)

Basque phrase or English equivalent	English	Phrase intonation	File name
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)

Basque phrase or English equivalent	English	Phrase intonation	File name
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)

Basque phrase or English equivalent	English	Phrase intonation	File name
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)

Basque phrase or English equivalent	English	Phrase intonation	File name
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)

Basque phrase or English equivalent	English	Phrase intonation	File name
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)

Basque phrase or English equivalent	English	Phrase intonation	File name
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)

Basque phrase or English equivalent	English	Phrase intonation	File name
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)

Basque phrase or English equivalent	English	Phrase intonation	File name
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)

Basque phrase or English equivalent	English	Phrase intonation	File name
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	flat	bdu8
	(neutral - counting)	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)

Belgian Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Belgian Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Belgian Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Belgian Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Belgian Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Belgian Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Belgian Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Belgian Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Belgian Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Belgian Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Belgian Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Belgian Dutch phrase or English equivalent	English	Phrase intonation	File name
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 (masc)	flat	bdu728
		rising	bdu729
		falling	bdu730
tweede	second	flat	bdu732
		rising	bdu733
		falling	bdu734

Belgian Dutch audio (Sheet 14 of 27)

Belgian Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Belgian Dutch phrase or English equivalent	English	Phrase intonation	File name
twaalfde	twelfth	flat	bdu772
		rising	bdu773
		falling	bdu774
dertiende	thirteenth	flat	bdu776
		rising	bdu777
		falling	bdu778
veertiende	fourteenth	flat	bdu780
		rising	bdu781
		falling	bdu782
vijftiende	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)

Belgian Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Belgian Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Belgian Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Belgian Dutch phrase or English equivalent	English	Phrase intonation	File name
miljardste	billionth	flat	bdu888
		rising	bdu889
		falling	bdu890
pond	pound sign	flat	bdu896
	(#)	rising	bdu897
		falling	bdu898
ster	asterisk	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	flat	bdu1200
	(US)	rising	bdu1201
		falling	bdu1202
Dollars	dollars	flat	bdu1204
	(US)	rising	bdu1205
		falling	bdu1206
Cent	cent	flat	bdu1208
	(US)	rising	bdu1209
		falling	bdu1210
Cents	cents	flat	bdu1212
	(US)	rising	bdu1213
		falling	bdu1214

Belgian Dutch audio (Sheet 20 of 27)

Belgian Dutch phrase or English equivalent	English	Phrase intonation	File name
mark	mark	flat	bdu1216
	(Germany)	rising	bdu1217
		falling	bdu1218
marks	marks	flat	bdu1220
	(Germany)	rising	bdu1221
		falling	bdu1222
pfennig	pfennig	flat	bdu1224
	(Germany)	rising	bdu1225
		falling	bdu1226
pfennigs	pfennigs	flat	bdu1228
	(Germany)	rising	bdu1229
		falling	bdu1230
yen	yen	flat	bdu1232
	(Japan)	rising	bdu1233
		falling	bdu1234
yens	yens	flat	bdu1236
	(Japan)	rising	bdu1237
		falling	bdu1238
lira	lira	flat	bdu1240
	(Italy)	rising	bdu1241
		falling	bdu1242
lire	liras	flat	bdu1244
	(Italy)	rising	bdu1245
		falling	bdu1246
guilder	guilder	flat	bdu1248
	(Netherlands)	rising	bdu1249
		falling	bdu1250

Belgian Dutch audio (Sheet 21 of 27)

Belgian Dutch phrase or English equivalent	English	Phrase intonation	File name
guilders	guilders	flat	bdu1252
	(Netherlands)	rising	bdu1253
		falling	bdu1254
cent	cent	flat	bdu1256
	(Netherlands)	rising	bdu1257
		falling	bdu1258
cent	cents	flat	bdu1260
	(Netherlands)	rising	bdu1261
		falling	bdu1262
pound	pound	flat	bdu1264
	(UK)	rising	bdu1265
		falling	bdu1266
pounds	pounds	flat	bdu1268
	(UK)	rising	bdu1269
		falling	bdu1270
penny	penny	flat	bdu1272
	(UK)	rising	bdu1273
		falling	bdu1274
pence	pence	flat	bdu1276
	(UK)	rising	bdu1277
		falling	bdu1278
euro	euro	flat	bdu1280
	(Euro)	rising	bdu1281
		falling	bdu1282
euros	euros	flat	bdu1284
	(Euro)	rising	bdu1285
		falling	bdu1286

Belgian Dutch audio (Sheet 22 of 27)

Belgian Dutch phrase or English equivalent	English	Phrase intonation	File name
eurocent	eurocent	flat	bdu1288
	(Euro)	rising	bdu1289
		falling	bdu1290
eurocents	eurocents	flat	bdu1292
	(Euro)	rising	bdu1293
		falling	bdu1294
franc	franc	flat	bdu1296
	(France)	rising	bdu1297
		falling	bdu1298
francs	francs	flat	bdu1300
	(France)	rising	bdu1301
		falling	bdu1302
centime	centime	flat	bdu1304
	(France)	rising	bdu1305
		falling	bdu1306
centimes	centimes	flat	bdu1308
	(France)	rising	bdu1309
		falling	bdu1310
peseta	peseta	flat	bdu1312
	(Spain)	rising	bdu1313
		falling	bdu1314
pesetas	pesetas	flat	bdu1316
	(Spain)	rising	bdu1317
		falling	bdu1318
peso	peso	flat	bdu1328
	(Philippines)	rising	bdu1329
		falling	bdu1330

Belgian Dutch audio (Sheet 23 of 27)

Belgian Dutch phrase or English equivalent	English	Phrase intonation	File name
pesos	pesos	flat	bdu1332
	(Philippines)	rising	bdu1333
		falling	bdu1334
centavo	centavo	flat	bdu1336
	(Philippines)	rising	bdu1337
		falling	bdu1338
centavos	centavos	flat	bdu1340
	(Philippines)	rising	bdu1341
		falling	bdu1342
ringgit	ringgit	flat	bdu1344
	(Malaysia)	rising	bdu1345
		falling	bdu1346
ringgits	ringgits	flat	bdu1348
	(Malaysia)	rising	bdu1349
		falling	bdu1350
sen	sen	flat	bdu1352
	(Malaysia)	rising	bdu1353
		falling	bdu1354
sens	sens	flat	bdu1356
	(Malaysia)	rising	bdu1357
		falling	bdu1358
baht	baht	flat	bdu1360
	(Thailand)	rising	bdu1361
		falling	bdu1362
bahts	bahts	flat	bdu1364
	(Thailand)	rising	bdu1365
		falling	bdu1366

Belgian Dutch audio (Sheet 24 of 27)

Belgian Dutch phrase or English equivalent	English	Phrase intonation	File name
satang	satang	flat	bdu1368
	(Thailand)	rising	bdu1369
		falling	bdu1370
satangs	satangs	flat	bdu1372
	(Thailand)	rising	bdu1373
		falling	bdu1374
won	won	flat	bdu1376
	(Korea)	rising	bdu1377
		falling	bdu1378
wons	wons	flat	bdu1380
	(Korea)	rising	bdu1381
		falling	bdu1382
franc	franc	flat	bdu1384
	(Belgium)	rising	bdu1385
		falling	bdu1386
francs	francs	flat	bdu1388
	(Belgium)	rising	bdu1389
		falling	bdu1390
centime	centime	flat	bdu1392
	(Belgium)	rising	bdu1393
		falling	bdu1394
centimes	centimes	flat	bdu1396
	(Belgium)	rising	bdu1397
		falling	bdu1398
dollar	dollar	flat	bdu1400
	(Canada)	rising	bdu1401
		falling	bdu1402

Belgian Dutch audio (Sheet 25 of 27)

Belgian Dutch phrase or English equivalent	English	Phrase intonation	File name
dollars	dollars	flat	bdu1404
	(Canada)	rising	bdu1405
		falling	bdu1406
cent	cent	flat	bdu1408
	(Canada)	rising	bdu1409
		falling	bdu1410
cents	cents	flat	bdu1412
	(Canada)	rising	bdu1413
		falling	bdu1414
dollar	dollar	flat	bdu1416
	(Hong Kong)	rising	bdu1417
		falling	bdu1418
dollars	dollars	flat	bdu1420
	(Hong Kong)	rising	bdu1421
		falling	bdu1422
cent	cent	flat	bdu1424
	(Hong Kong)	rising	bdu1425
		falling	bdu1426
cents	cents	flat	bdu1428
	(Hong Kong)	rising	bdu1429
		falling	bdu1430
Gok	gok	flat	bdu1488
	(Hong Kong)	rising	bdu1489
		falling	bdu1490
Goks	goks	flat	bdu1492
	(Hong Kong)	rising	bdu1493
		falling	bdu1494

Belgian Dutch audio (Sheet 26 of 27)

Belgian Dutch phrase or English equivalent	English	Phrase intonation	File name
escudo	escudo	flat	bdu1432
	(Portugal)	rising	bdu1433
		falling	bdu1434
escudos	escudos	flat	bdu1436
	(Portugal)	rising	bdu1437
		falling	bdu1438
centavo	centavo	flat	bdu1440
	(Portugal)	rising	bdu1441
		falling	bdu1442
centavos	centavos	flat	bdu1444
	(Portugal)	rising	bdu1445
		falling	bdu1446
yuan	yuan	flat	bdu1448
	(China)	rising	bdu1449
		falling	bdu1450
yuans	yuans	flat	bdu1452
	(China)	rising	bdu1453
		falling	bdu1454
jiao	jiao	flat	bdu1456
	(China)	rising	bdu1457
		falling	bdu1458
jiaos	jiaos	flat	bdu1460
	(China)	rising	bdu1461
		falling	bdu1462
fen	fen	flat	bdu1464
	(China)	rising	bdu1465
		falling	bdu1466

Belgian Dutch audio (Sheet 27 of 27)

Belgian Dutch phrase or English equivalent	English	Phrase intonation	File name
fens	fens	flat	bdu1468
	(China)	rising	bdu1469
		falling	bdu1470
pound	pound	flat	bdu1472
	(Ireland)	rising	bdu1473
		falling	bdu1474
pounds	pounds	flat	bdu1476
	(Ireland)	rising	bdu1477
		falling	bdu1478
penny	penny	flat	bdu1480
	(Ireland)	rising	bdu1481
		falling	bdu1482
pence	pence	flat	bdu1484
	(Ireland)	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)

Cantonese phrase or English equivalent	English	Phrase intonation	File name
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)

Cantonese phrase or English equivalent	English	Phrase intonation	File name
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)

Cantonese phrase or English equivalent	English	Phrase intonation	File name
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)

Cantonese phrase or English equivalent	English	Phrase intonation	File name
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)

Cantonese phrase or English equivalent	English	Phrase intonation	File name
fan	minute	flat	cnt632
		rising	cnt633
		falling	cnt634
miu	second	flat	cnt640
		rising	cnt641
		falling	cnt642
jeng ho	pound sign (#)	flat	cnt896
		rising	cnt897
		falling	cnt898
sing ho	asterisk (*)	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 (US)	flat	cnt1200
		rising	cnt1201
		falling	cnt1202
Cent	cent (US)	flat	cnt1208
		rising	cnt1209
		falling	cnt1210
Mark	mark (Germany)	flat	cnt1216
		rising	cnt1217
		falling	cnt1218

Cantonese audio (Sheet 7 of 12)

Cantonese phrase or English equivalent	English	Phrase intonation	File name
Pfennig	pfennig (Germany)	flat	cnt1224
		rising	cnt1225
		falling	cnt1226
Yen	yen (Japan)	flat	cnt1232
		rising	cnt1233
		falling	cnt1234
Lira	lira (Italy)	flat	cnt1240
		rising	cnt1241
		falling	cnt1242
Guilder	guilder (Netherlands)	flat	cnt1248
		rising	cnt1249
		falling	cnt1250
Cent	cent (Netherlands)	flat	cnt1256
		rising	cnt1257
		falling	cnt1258
Pound	pound (UK)	flat	cnt1264
		rising	cnt1265
		falling	cnt1266
pence	pence (UK)	flat	cnt1276
		rising	cnt1277
		falling	cnt1278
euro	euro (Euro)	flat	cnt1280
		rising	cnt1281
		falling	cnt1282
eurocent	eurocent (Euro)	flat	cnt1288
		rising	cnt1289
		falling	cnt1290

Cantonese audio (Sheet 8 of 12)

Cantonese phrase or English equivalent	English	Phrase intonation	File name
franc	franc	flat	cnt1296
	(France)	rising	cnt1297
		falling	cnt1298
centime	centime	flat	cnt1304
	(France)	rising	cnt1305
		falling	cnt1306
peseta	peseta	flat	cnt1312
	(Spain)	rising	cnt1313
		falling	cnt1314
peso	peso	flat	cnt1328
	(Philippines)	rising	cnt1329
		falling	cnt1330
centavo	centavo	flat	cnt1336
	(Philippines)	rising	cnt1337
		falling	cnt1338
ringgit	ringgit	flat	cnt1344
	(Malaysia)	rising	cnt1345
		falling	cnt1346
sen	sen	flat	cnt1352
	(Malaysia)	rising	cnt1353
		falling	cnt1354
baht	baht	flat	cnt1360
	(Thailand)	rising	cnt1361
		falling	cnt1362
satang	satang	flat	cnt1368
	(Thailand)	rising	cnt1369
		falling	cnt1370

Cantonese audio (Sheet 9 of 12)

Cantonese phrase or English equivalent	English	Phrase intonation	File name
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)

Cantonese phrase or English equivalent	English	Phrase intonation	File name
centavo	centavo	flat	cnt1440
	(Portugal)	rising	cnt1441
		falling	cnt1442
yuan	yuan	flat	cnt1448
	(China)	rising	cnt1449
		falling	cnt1450
jiao	jiao	flat	cnt1456
	(China)	rising	cnt1457
		falling	cnt1458
fen	fen	flat	cnt1464
	(China)	rising	cnt1465
		falling	cnt1466
pound	pound	flat	cnt1472
	(Ireland)	rising	cnt1473
		falling	cnt1474
pence	pence	flat	cnt1484
	(Ireland)	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)

Cantonese phrase or English equivalent	English	Phrase intonation	File name
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)

Cantonese phrase or English equivalent	English	Phrase intonation	File name
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)

Catalan phrase or English equivalent	English	Phrase intonation	File name
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)

Catalan phrase or English equivalent	English	Phrase intonation	File name
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)

Catalan phrase or English equivalent	English	Phrase intonation	File name
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)

Catalan phrase or English equivalent	English	Phrase intonation	File name
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)

Catalan phrase or English equivalent	English	Phrase intonation	File name
vinticinc	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)

Catalan phrase or English equivalent	English	Phrase intonation	File name
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)

Catalan phrase or English equivalent	English	Phrase intonation	File name
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)

Catalan phrase or English equivalent	English	Phrase intonation	File name
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)

Catalan phrase or English equivalent	English	Phrase intonation	File name
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)

Catalan phrase or English equivalent	English	Phrase intonation	File name
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)

Catalan phrase or English equivalent	English	Phrase intonation	File name
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)

Catalan phrase or English equivalent	English	Phrase intonation	File name
tercer	third	flat	cat736
		rising	cat737
		falling	cat738
quart	fourth	flat	cat740
		rising	cat741
		falling	cat742
cinque	fifth	flat	cat744
		rising	cat745
		falling	cat746
sise	sixth	flat	cat748
		rising	cat749
		falling	cat750
sete	seventh	flat	cat752
		rising	cat753
		falling	cat754
vuite	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)

Catalan phrase or English equivalent	English	Phrase intonation	File name
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)

Catalan phrase or English equivalent	English	Phrase intonation	File name
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)

Catalan phrase or English equivalent	English	Phrase intonation	File name
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)

Catalan phrase or English equivalent	English	Phrase intonation	File name
bilionesim	billionth	flat	cat888
		rising	cat889
		falling	cat890
cuadradet	pound sign	flat	cat896
	(#)	rising	cat897
		falling	cat898
asterisc	asterisk	flat	cat900
	(*)	rising	cat901
		falling	cat902
dollar	dollar	flat	cat1200
	(US)	rising	cat1201
		falling	cat1202
dollars	dollars	flat	cat1204
	(US)	rising	cat1205
		falling	cat1206
cent	cent	flat	cat1208
	(US)	rising	cat1209
		falling	cat1210
cents	cents	flat	cat1212
	(US)	rising	cat1213
		falling	cat1214
mark	mark	flat	cat1216
	(Germany)	rising	cat1217
		falling	cat1218
marks	marks	flat	cat1220
	(Germany)	rising	cat1221
		falling	cat1222

Catalan audio (Sheet 18 of 44)

Catalan phrase or English equivalent	English	Phrase intonation	File name
pfennig	pfennig	flat	cat1224
	(Germany)	rising	cat1225
		falling	cat1226
pfennigs	pfennigs	flat	cat1228
	(Germany)	rising	cat1229
		falling	cat1230
yen	yen	flat	cat1232
	(Japan)	rising	cat1233
		falling	cat1234
yens	yens	flat	cat1236
	(Japan)	rising	cat1237
		falling	cat1238
lira	lira	flat	cat1240
	(Italy)	rising	cat1241
		falling	cat1242
liras	liras	flat	cat1244
	(Italy)	rising	cat1245
		falling	cat1246
guilder	guilder	flat	cat1248
	(Netherlands)	rising	cat1249
		falling	cat1250
guilders	guilders	flat	cat1252
	(Netherlands)	rising	cat1253
		falling	cat1254
cent	cent	flat	cat1256
	(Netherlands)	rising	cat1257
		falling	cat1258

Catalan audio (Sheet 19 of 44)

Catalan phrase or English equivalent	English	Phrase intonation	File name
cents	cents	flat	cat1260
	(Netherlands)	rising	cat1261
		falling	cat1262
pound	pound	flat	cat1264
	(UK)	rising	cat1265
		falling	cat1266
pounds	pounds	flat	cat1268
	(UK)	rising	cat1269
		falling	cat1270
penny	penny	flat	cat1272
	(UK)	rising	cat1273
		falling	cat1274
pence	pence	flat	cat1276
	(UK)	rising	cat1277
		falling	cat1278
euro	euro	flat	cat1280
	(Europe)	rising	cat1281
		falling	cat1282
euros	euros	flat	cat1284
	(Europe)	rising	cat1285
		falling	cat1286
eurocent	eurocent	flat	cat1288
	(Europe)	rising	cat1289
		falling	cat1290
eurocents	eurocents	flat	cat1292
	(Europe)	rising	cat1293
		falling	cat1294

Catalan audio (Sheet 20 of 44)

Catalan phrase or English equivalent	English	Phrase intonation	File name
franc	franc	flat	cat1296
	(France)	rising	cat1297
		falling	cat1298
francs	francs	flat	cat1300
	(France)	rising	cat1301
		falling	cat1302
centime	centime	flat	cat1304
	(France)	rising	cat1305
		falling	cat1306
centimes	centimes	flat	cat1308
	(France)	rising	cat1309
		falling	cat1310
peseta	peseta	flat	cat1312
	(Spain)	rising	cat1313
		falling	cat1314
pesetas	pesetas	flat	cat1316
	(Spain)	rising	cat1317
		falling	cat1318
peso	peso	flat	cat1328
	(Philippines)	rising	cat1329
		falling	cat1330
pesos	pesos	flat	cat1332
	(Philippines)	rising	cat1333
		falling	cat1334
centavo	centavo	flat	cat1336
	(Philippines)	rising	cat1337
		falling	cat1338

Catalan audio (Sheet 21 of 44)

Catalan phrase or English equivalent	English	Phrase intonation	File name
centavos	centavos	flat	cat1340
	(Philippines)	rising	cat1341
		falling	cat1342
ringgit	ringgit	flat	cat1344
	(Malaysia)	rising	cat1345
		falling	cat1346
ringgits	ringgits	flat	cat1348
	(Malaysia)	rising	cat1349
		falling	cat1350
sen	sen	flat	cat1352
	(Malaysia)	rising	cat1353
		falling	cat1354
sens	sens	flat	cat1356
	(Malaysia)	rising	cat1357
		falling	cat1358
baht	baht	flat	cat1360
	(Thailand)	rising	cat1361
		falling	cat1362
bahts	bahts	flat	cat1364
	(Thailand)	rising	cat1365
		falling	cat1366
satang	satang	flat	cat1368
	(Thailand)	rising	cat1369
		falling	cat1370
satangs	satangs	flat	cat1372
	(Thailand)	rising	cat1373
		falling	cat1374

Catalan audio (Sheet 22 of 44)

Catalan phrase or English equivalent	English	Phrase intonation	File name
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)

Catalan phrase or English equivalent	English	Phrase intonation	File name
cents	cents	flat	cat1412
	(Canada)	rising	cat1413
		falling	cat1414
dollar	dollar	flat	cat1416
	(Hong Kong)	rising	cat1417
		falling	cat1418
dollars	dollars	flat	cat1420
	(Hong Kong)	rising	cat1421
		falling	cat1422
cent	cent	flat	cat1424
	(Hong Kong)	rising	cat1425
		falling	cat1426
cents	cents	flat	cat1428
	(Hong Kong)	rising	cat1429
		falling	cat1430
gok	gok	flat	cat1488
	(Hong Kong)	rising	cat1489
		falling	cat1490
goks	goks	flat	cat1492
	(Hong Kong)	rising	cat1493
		falling	cat1494
escudo	escudo	flat	cat1432
	(Portugal)	rising	cat1433
		falling	cat1434
escudos	escudos	flat	cat1436
	(Portugal)	rising	cat1437
		falling	cat1438

Catalan audio (Sheet 24 of 44)

Catalan phrase or English equivalent	English	Phrase intonation	File name
centavo	centavo	flat	cat1440
	(Portugal)	rising	cat1441
		falling	cat1442
centavos	centavos	flat	cat1444
	(Portugal)	rising	cat1445
		falling	cat1446
yuan	yuan	flat	cat1448
	(China)	rising	cat1449
		falling	cat1450
yuans	yuans	flat	cat1452
	(China)	rising	cat1453
		falling	cat1454
jiao	jiao	flat	cat1456
	(China)	rising	cat1457
		falling	cat1458
jiaos	jiaos	flat	cat1460
	(China)	rising	cat1461
		falling	cat1462
fen	fen	flat	cat1464
	(China)	rising	cat1465
		falling	cat1466
fens	fens	flat	cat1468
	(China)	rising	cat1469
		falling	cat1470
pound	pound	flat	cat1472
	(Ireland)	rising	cat1473
		falling	cat1474

Catalan audio (Sheet 25 of 44)

Catalan phrase or English equivalent	English	Phrase intonation	File name
pounds	pounds	flat	cat1476
	(Ireland)	rising	cat1477
		falling	cat1478
penny	penny	flat	cat1480
	(Ireland)	rising	cat1481
		falling	cat1482
pence	pence	flat	cat1484
	(Ireland)	rising	cat1485
		falling	cat1486
un	one	flat	cat920
	(masc)	rising	cat921
		falling	cat922
una	one	flat	cat924
	(fem)	rising	cat925
		falling	cat926
dues	two	flat	cat928
	(fem)	rising	cat929
		falling	cat930
vintiuna	twenty-one	flat	cat932
	(fem)	rising	cat933
		falling	cat934
vintidues	twenty-two	flat	cat936
	(fem)	rising	cat937
		falling	cat938
dues-centes	200	flat	cat940
	(fem)	rising	cat941
		falling	cat942

Catalan audio (Sheet 26 of 44)

Catalan phrase or English equivalent	English	Phrase intonation	File name
tres-centes	300	flat	cat944
	(fem)	rising	cat945
		falling	cat946
quatre-centes	400	flat	cat948
	(fem)	rising	cat949
		falling	cat950
cinc-centes	500	flat	cat952
	(fem)	rising	cat953
		falling	cat954
sis-centes	600	flat	cat956
	(fem)	rising	cat957
		falling	cat958
set-centes	700	flat	cat960
	(fem)	rising	cat961
		falling	cat962
vuit-centes	800	flat	cat964
	(fem)	rising	cat965
		falling	cat966
nou-centes	900	flat	cat968
	(fem)	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)

Catalan phrase or English equivalent	English	Phrase intonation	File name
de	of	flat	cat980
		rising	cat981
		falling	cat982
primera	first	flat	cat984
	(fem)	rising	cat985
		falling	cat986
segona	second	flat	cat988
	(fem)	rising	cat989
		falling	cat990
tercera	third	flat	cat992
	(fem)	rising	cat993
		falling	cat994
cuarta	fourth	flat	cat996
	(fem)	rising	cat997
		falling	cat998
cinquena	fifth	flat	cat1000
	(fem)	rising	cat1001
		falling	cat1002
sisena	sixth	flat	cat1004
	(fem)	rising	cat1005
		falling	cat1006
setena	seventh	flat	cat1008
	(fem)	rising	cat1009
		falling	cat1010
vuitena	eighth	flat	cat1012
	(fem)	rising	cat1013
		falling	cat1014

Catalan audio (Sheet 28 of 44)

Catalan phrase or English equivalent	English	Phrase intonation	File name
novena	ninth (fem)	flat	cat1016
		rising	cat1017
		falling	cat1018
desena	tenth (fem)	flat	cat1020
		rising	cat1021
		falling	cat1022
onzena	eleventh (fem)	flat	cat1024
		rising	cat1025
		falling	cat1026
dotzena	twelfth (fem)	flat	cat1028
		rising	cat1029
		falling	cat1030
tretzena	thirteenth (fem)	flat	cat1032
		rising	cat1033
		falling	cat1034
catorzena	fourteenth (fem)	flat	cat1036
		rising	cat1037
		falling	cat1038
quinzena	fifteenth (fem)	flat	cat1040
		rising	cat1041
		falling	cat1042
setzena	sixteenth (fem)	flat	cat1044
		rising	cat1045
		falling	cat1046
dissetena	seventeenth (fem)	flat	cat1048
		rising	cat1049
		falling	cat1050

Catalan audio (Sheet 29 of 44)

Catalan phrase or English equivalent	English	Phrase intonation	File name
divuitena	eighteenth (fem)	flat	cat1052
		rising	cat1053
		falling	cat1054
dinovena	nineteenth (fem)	flat	cat1056
		rising	cat1057
		falling	cat1058
vintena	twentieth (fem)	flat	cat1060
		rising	cat1061
		falling	cat1062
trentena	thirtieth (fem)	flat	cat1064
		rising	cat1065
		falling	cat1066
quarantena	fortieth (fem)	flat	cat1068
		rising	cat1069
		falling	cat1070
cinquantena	fiftieth (fem)	flat	cat1072
		rising	cat1073
		falling	cat1074
seixantena	sixtieth (fem)	flat	cat1076
		rising	cat1077
		falling	cat1078
setantena	seventieth (fem)	flat	cat1080
		rising	cat1081
		falling	cat1082
vuitantena	eightieth (fem)	flat	cat1084
		rising	cat1085
		falling	cat1086

Catalan audio (Sheet 30 of 44)

Catalan phrase or English equivalent	English	Phrase intonation	File name
norantena	ninetieth (fem)	flat	cat1088
		rising	cat1089
		falling	cat1090
centena	one-hundredth (fem)	flat	cat1092
		rising	cat1093
		falling	cat1094
dos-centena	two-hundredth (fem)	flat	cat1096
		rising	cat1097
		falling	cat1098
tres-centena	three-hundredth (fem)	flat	cat1100
		rising	cat1101
		falling	cat1102
quatre-centena	four-hundredth (fem)	flat	cat1104
		rising	cat1105
		falling	cat1106
cinquantena	five-hundredth (fem)	flat	cat1108
		rising	cat1109
		falling	cat1110
sis-centena	six-hundredth (fem)	flat	cat1112
		rising	cat1113
		falling	cat1114
set-centena	seven-hundredth (fem)	flat	cat1116
		rising	cat1117
		falling	cat1118
vuit-centena	eight-hundredth (fem)	flat	cat1120
		rising	cat1121
		falling	cat1122

Catalan audio (Sheet 31 of 44)

Catalan phrase or English equivalent	English	Phrase intonation	File name
nou-centena	nine-hundredth (fem)	flat	cat1124
		rising	cat1125
		falling	cat1126
milena	thousandth (fem)	flat	cat1128
		rising	cat1129
		falling	cat1130
milionesima	millionth (fem)	flat	cat1132
		rising	cat1133
		falling	cat1134
bilionesima	billionth (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)

Catalan phrase or English equivalent	English	Phrase intonation	File name
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 (fem)	flat	cat1500
		rising	cat1501
		falling	cat1502
ventidosena	twenty-second (fem)	flat	cat1504
		rising	cat1505
		falling	cat1506
vintitresena	twenty-third (fem)	flat	cat1508
		rising	cat1509
		falling	cat1510
vintiquatrena	twenty-fourth (fem)	flat	cat1512
		rising	cat1513
		falling	cat1514
vinticinquena	twenty-fifth (fem)	flat	cat1516
		rising	cat1517
		falling	cat1518

Catalan audio (Sheet 33 of 44)

Catalan phrase or English equivalent	English	Phrase intonation	File name
vintisisena	twenty-sixth (fem)	flat	cat1520
		rising	cat1521
		falling	cat1522
vintisetena	twenty-seventh (fem)	flat	cat1524
		rising	cat1525
		falling	cat1526
vintivuitena	twenty-eighth (fem)	flat	cat1528
		rising	cat1529
		falling	cat1530
vintinovena	twenty-ninth (fem)	flat	cat1532
		rising	cat1533
		falling	cat1534
primers	first (plural, masc)	flat	cat1536
		rising	cat1537
		falling	cat1538
segons	second (plural, masc)	flat	cat1540
		rising	cat1541
		falling	cat1542
tercers	third (plural, masc)	flat	cat1544
		rising	cat1545
		falling	cat1546
quarts	fourth (plural, masc)	flat	cat1548
		rising	cat1549
		falling	cat1550
cinques	fifth (plural, masc)	flat	cat1552
		rising	cat1553
		falling	cat1554

Catalan audio (Sheet 34 of 44)

Catalan phrase or English equivalent	English	Phrase intonation	File name
sises	sixth (plural, masc)	flat	cat1556
		rising	cat1557
		falling	cat1558
setes	seventh (plural, masc)	flat	cat1560
		rising	cat1561
		falling	cat1562
vuites	eighth (plural, masc)	flat	cat1564
		rising	cat1565
		falling	cat1566
noves	ninth (plural, masc)	flat	cat1568
		rising	cat1569
		falling	cat1570
deses	tenth (plural, masc)	flat	cat1572
		rising	cat1573
		falling	cat1574
onzes	eleventh (plural, masc)	flat	cat1576
		rising	cat1577
		falling	cat1578
dotzes	twelfth (plural, masc)	flat	cat1580
		rising	cat1581
		falling	cat1582
tretzes	thirteenth (plural, masc)	flat	cat1584
		rising	cat1585
		falling	cat1586
catorzes	fourteenth (plural, masc)	flat	cat1588
		rising	cat1589
		falling	cat1590

Catalan audio (Sheet 35 of 44)

Catalan phrase or English equivalent	English	Phrase intonation	File name
quinzes	fifteenth (plural, masc)	flat	cat1592
		rising	cat1593
		falling	cat1594
setzes	sixteenth (plural, masc)	flat	cat1596
		rising	cat1597
		falling	cat1598
dissetes	seventeenth (plural, masc)	flat	cat1600
		rising	cat1601
		falling	cat1602
divuites	eighteenth (plural, masc)	flat	cat1604
		rising	cat1605
		falling	cat1606
dinoves	nineteenth (plural, masc)	flat	cat1608
		rising	cat1609
		falling	cat1610
vintes	twentieth (plural, masc)	flat	cat1612
		rising	cat1613
		falling	cat1614
trentes	thirtieth (plural, masc)	flat	cat1616
		rising	cat1617
		falling	cat1618
quarantes	fortieth (plural, masc)	flat	cat1620
		rising	cat1621
		falling	cat1622
cinquantes	fiftieth (plural, masc)	flat	cat1624
		rising	cat1625
		falling	cat1626

Catalan audio (Sheet 36 of 44)

Catalan phrase or English equivalent	English	Phrase intonation	File name
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)

Catalan phrase or English equivalent	English	Phrase intonation	File name
sis-centes	six-hundredth (plural, masc)	flat	cat1664
		rising	cat1665
		falling	cat1666
ses-centes	seven-hundredth (plural, masc)	flat	cat1668
		rising	cat1669
		falling	cat1670
vuit-centes	eight-hundredth (plural, masc)	flat	cat1672
		rising	cat1673
		falling	cat1674
nou-centes	nine-hundredth (plural, masc)	flat	cat1676
		rising	cat1677
		falling	cat1678
miles	thousandth (plural, masc)	flat	cat1680
		rising	cat1681
		falling	cat1682
milionesims	millionth (plural, masc)	flat	cat1684
		rising	cat1685
		falling	cat1686
bilionesims	billionth (plural, masc)	flat	cat1688
		rising	cat1689
		falling	cat1690
vintiunes	twenty-first (plural, masc)	flat	cat1692
		rising	cat1693
		falling	cat1694
vintidoses	twenty-second (plural, masc)	flat	cat1696
		rising	cat1697
		falling	cat1698

Catalan audio (Sheet 38 of 44)

Catalan phrase or English equivalent	English	Phrase intonation	File name
vintitreses	twenty-third (plural, masc)	flat	cat1700
		rising	cat1701
		falling	cat1702
vintiquatres	twenty-fourth (plural, masc)	flat	cat1704
		rising	cat1705
		falling	cat1706
vinticinques	twenty-fifth (plural, masc)	flat	cat1708
		rising	cat1709
		falling	cat1710
vintisises	twenty-sixth (plural, masc)	flat	cat1712
		rising	cat1713
		falling	cat1714
vintisetes	twenty-seventh (plural, masc)	flat	cat1716
		rising	cat1717
		falling	cat1718
vintivuites	twenty-eighth (plural, masc)	flat	cat1720
		rising	cat1721
		falling	cat1722
vintinoves	twenty-ninth (plural, masc)	flat	cat1724
		rising	cat1725
		falling	cat1725
primeres	first (fem, plural)	flat	cat1728
		rising	cat1729
		falling	cat1730
segones	second (fem, plural)	flat	cat1732
		rising	cat1733
		falling	cat1734

Catalan audio (Sheet 39 of 44)

Catalan phrase or English equivalent	English	Phrase intonation	File name
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)

Catalan phrase or English equivalent	English	Phrase intonation	File name
dotzenes	twelfth (fem, plural)	flat	cat1772
		rising	cat1773
		falling	cat1774
tretzenes	thirteenth (fem, plural)	flat	cat1776
		rising	cat1777
		falling	cat1778
catorzenes	fourteenth (fem, plural)	flat	cat1780
		rising	cat1781
		falling	cat1782
quinzenes	fifteenth (fem, plural)	flat	cat1784
		rising	cat1785
		falling	cat1786
setzenes	sixteenth (fem, plural)	flat	cat1788
		rising	cat1789
		falling	cat1790
dissetenes	seventeenth (fem, plural)	flat	cat1792
		rising	cat1793
		falling	cat1794
divuitenes	eighteenth (fem, plural)	flat	cat1796
		rising	cat1797
		falling	cat1798
dinovenes	nineteenth (fem, plural)	flat	cat1800
		rising	cat1801
		falling	cat1802
vintenes	twentieth (fem, plural)	flat	cat1804
		rising	cat1805
		falling	cat1806

Catalan audio (Sheet 41 of 44)

Catalan phrase or English equivalent	English	Phrase intonation	File name
trentenes	thirtieth	flat	cat1808
	(fem, plural)	rising	cat1809
		falling	cat1810
quarantenes	fortieth	flat	cat1812
	(fem, plural)	rising	cat1813
		falling	cat1814
cinquantenes	fiftieth	flat	cat1816
	(fem, plural)	rising	cat1817
		falling	cat1818
seixantenes	sixtieth	flat	cat1820
	(fem, plural)	rising	cat1821
		falling	cat1822
setantenes	seventieth	flat	cat1824
	(fem, plural)	rising	cat1825
		falling	cat1826
vuitantenes	eightieth	flat	cat1828
	(fem, plural)	rising	cat1829
		falling	cat1830
norantenes	ninetieth	flat	cat1832
	(fem, plural)	rising	cat1833
		falling	cat1834
centenes	one-hundredth	flat	cat1836
	(fem, plural)	rising	cat1837
		falling	cat1838
dos-centenes	two-hundredth	flat	cat1840
	(fem, plural)	rising	cat1841
		falling	cat1842

Catalan audio (Sheet 42 of 44)

Catalan phrase or English equivalent	English	Phrase intonation	File name
tres-centenes	three-hundredth (fem, plural)	flat	cat1844
		rising	cat1845
		falling	cat1846
quatre-centenes	four-hundredth (fem, plural)	flat	cat1848
		rising	cat1849
		falling	cat1850
cinquantenes	five-hundredth (fem, plural)	flat	cat1852
		rising	cat1853
		falling	cat1854
sis-centenes	six-hundredth (fem, plural)	flat	cat1856
		rising	cat1857
		falling	cat1858
set-centenes	seven-hundredth (fem, plural)	flat	cat1860
		rising	cat1861
		falling	cat1862
vuit-centenes	eight-hundredth (fem, plural)	flat	cat1864
		rising	cat1865
		falling	cat1866
nou-centenes	nine-hundredth (fem, plural)	flat	cat1868
		rising	cat1869
		falling	cat1870
milenes	thousandth (fem, plural)	flat	cat1872
		rising	cat1873
		falling	cat1874
milionesimes	millionth (fem, plural)	flat	cat1876
		rising	cat1877
		falling	cat1878

Catalan audio (Sheet 43 of 44)

Catalan phrase or English equivalent	English	Phrase intonation	File name
bilionesimes	billionth (fem, plural)	flat	cat1880
		rising	cat1881
		falling	cat1882
vintiunenes	twenty-first (fem, plural)	flat	cat1884
		rising	cat1885
		falling	cat1886
ventidosenes	twenty-second (fem, plural)	flat	cat1888
		rising	cat1889
		falling	cat1890
vintitresenes	twenty-third (fem, plural)	flat	cat1892
		rising	cat1893
		falling	cat1894
vintiquatrenes	twenty-fourth (fem, plural)	flat	cat1896
		rising	cat1897
		falling	cat1898
vinticinquenes	twenty-fifth (fem, plural)	flat	cat1900
		rising	cat1901
		falling	cat1902
vintisisenes	twenty-sixth (fem, plural)	flat	cat1904
		rising	cat1905
		falling	cat1906
vintisetenes	twenty-seventh (fem, plural)	flat	cat1908
		rising	cat1909
		falling	cat1910

Catalan audio (Sheet 44 of 44)

Catalan phrase or English equivalent	English	Phrase intonation	File name
vintivuitenes	twenty-eighth (fem, plural)	flat	cat1912
		rising	cat1913
		falling	cat1914
vintinovenes	twenty-ninth (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)

Czech phrase or English equivalent	English	Phrase intonation	File name
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)

Czech phrase or English equivalent	English	Phrase intonation	File name
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
trhitset	thirty	flat	ces100
		rising	ces1o1
		falling	ces102
chtyrhitset	forty	flat	ces104
		rising	ces105
		falling	ces106

Czech audio (Sheet 4 of 39)

Czech phrase or English equivalent	English	Phrase intonation	File name
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)

Czech phrase or English equivalent	English	Phrase intonation	File name
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)

Czech phrase or English equivalent	English	Phrase intonation	File name
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)

Czech phrase or English equivalent	English	Phrase intonation	File name
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)

Czech phrase or English equivalent	English	Phrase intonation	File name
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)

Czech phrase or English equivalent	English	Phrase intonation	File name
brhezen	March	flat	ces656
		rising	ces657
		falling	ces658
duben	April	flat	ces660
		rising	ces661
		falling	ces662
kvyeten	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)

Czech phrase or English equivalent	English	Phrase intonation	File name
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)

Czech phrase or English equivalent	English	Phrase intonation	File name
prvnyee	first	flat	ces728
		rising	ces729
		falling	ces730
druhee	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)

Czech phrase or English equivalent	English	Phrase intonation	File name
desatee	tenth (masc.)	flat	ces764
		rising	ces765
		falling	ces766
yedenatstee	eleventh (masc.)	flat	ces768
		rising	ces769
		falling	ces770
dvanatstee	twelfth (masc.)	flat	ces772
		rising	ces773
		falling	ces774
trhinatstee	thirteenth (masc.)	flat	ces776
		rising	ces777
		falling	ces778
chtrnatstee	fourteenth (masc.)	flat	ces780
		rising	ces781
		falling	ces782
patnatstee	fifteenth (masc.)	flat	ces784
		rising	ces785
		falling	ces786
shestnatstee	sixteenth (masc.)	flat	ces788
		rising	ces789
		falling	ces790
sedumnatstee	seventeenth (masc.)	flat	ces792
		rising	ces793
		falling	ces794
osumnatstee	eighteenth (masc.)	flat	ces796
		rising	ces797
		falling	ces798

Czech audio (Sheet 13 of 39)

Czech phrase or English equivalent	English	Phrase intonation	File name
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)

Czech phrase or English equivalent	English	Phrase intonation	File name
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	flat	ces896
	(#)	rising	ces897
		falling	ces898
hvyezdichka	asterisk	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	flat	ces1200
	(US)	rising	ces1201
		falling	ces1202

Czech audio (Sheet 15 of 39)

Czech phrase or English equivalent	English	Phrase intonation	File name
dolaroo	dollars	flat	ces1204
	(US)	rising	ces1205
		falling	ces1206
tsent	cent	flat	ces1208
	(US)	rising	ces1209
		falling	ces1210
tsentoo	cents	flat	ces1212
	(US)	rising	ces1213
		falling	ces1214
mark	mark	flat	ces1216
	(Germany)	rising	ces1217
		falling	ces1218
marks	marks	flat	ces1220
	(Germany)	rising	ces1221
		falling	ces1222
pfennig	pfennig	flat	ces1224
	(Germany)	rising	ces1225
		falling	ces1226
pfennigs	pfennigs	flat	ces1228
	(Germany)	rising	ces1229
		falling	ces1230
yen	yen	flat	ces1232
	(Japan)	rising	ces1233
		falling	ces1234
yens	yens	flat	ces1236
	(Japan)	rising	ces1237
		falling	ces1238

Czech audio (Sheet 16 of 39)

Czech phrase or English equivalent	English	Phrase intonation	File name
lira	lira	flat	ces1240
	(Italy)	rising	ces1241
		falling	ces1242
lire	liras	flat	ces1244
	(Italy)	rising	ces1245
		falling	ces1246
guilder	guilder	flat	ces1248
	(Netherlands)	rising	ces1249
		falling	ces1250
guilders	guilders	flat	ces1252
	(Netherlands)	rising	ces1253
		falling	ces1254
cent	cent	flat	ces1256
	(Netherlands)	rising	ces1257
		falling	ces1258
cent	cents	flat	ces1260
	(Netherlands)	rising	ces1261
		falling	ces1262
pound	pound	flat	ces1264
	(UK)	rising	ces1265
		falling	ces1266
pounds	pounds	flat	ces1268
	(UK)	rising	ces1269
		falling	ces1270
penny	penny	flat	ces1272
	(UK)	rising	ces1273
		falling	ces1274

Czech audio (Sheet 17 of 39)

Czech phrase or English equivalent	English	Phrase intonation	File name
pence	pence	flat	ces1276
	(UK)	rising	ces1277
		falling	ces1278
e-uro	euro	flat	ces1280
	(Euro)	rising	ces1281
		falling	ces1282
e-ur	euros	flat	ces1284
	(Euro)	rising	ces1285
		falling	ces1286
e-urotsent	eurocent	flat	ces1288
	(Euro)	rising	ces1289
		falling	ces1290
e-urotsentoo	eurocents	flat	ces1292
	(Euro)	rising	ces1293
		falling	ces1294
frank	franc	flat	ces1296
	(France)	rising	ces1297
		falling	ces1298
frankoo	francs	flat	ces1300
	(France)	rising	ces1301
		falling	ces1302
tsentime	centime	flat	ces1304
	(France)	rising	ces1305
		falling	ces1306
tsentimoo	centimes	flat	ces1308
	(France)	rising	ces1309
		falling	ces1310

Czech audio (Sheet 18 of 39)

Czech phrase or English equivalent	English	Phrase intonation	File name
peseta	peseta	flat	ces1312
	(Spain)	rising	ces1313
		falling	ces1314
pesetas	pesetas	flat	ces1316
	(Spain)	rising	ces1317
		falling	ces1318
peso	peso	flat	ces1328
	(Philippines)	rising	ces1329
		falling	ces1330
pesos	pesos	flat	ces1332
	(Philippines)	rising	ces1333
		falling	ces1334
centavo	centavo	flat	ces1336
	(Philippines)	rising	ces1337
		falling	ces1338
centavos	centavos	flat	ces1340
	(Philippines)	rising	ces1341
		falling	ces1342
ringgit	ringgit	flat	ces1344
	(Malaysia)	rising	ces1345
		falling	ces1346
ringgits	ringgits	flat	ces1348
	(Malaysia)	rising	ces1349
		falling	ces1350
sen	sens	flat	ces1356
	(Malaysia)	rising	ces1357
		falling	ces1358

Czech audio (Sheet 19 of 39)

Czech phrase or English equivalent	English	Phrase intonation	File name
sens	sen	flat	ces1352
	(Malaysia)	rising	ces1353
		falling	ces1354
baht	baht	flat	ces1360
	(Thailand)	rising	ces1361
		falling	ces1362
bahts	bahts	flat	ces1364
	(Thailand)	rising	ces1365
		falling	ces1366
satang	satang	flat	ces1368
	(Thailand)	rising	ces1369
		falling	ces1370
satangs	satangs	flat	ces1372
	(Thailand)	rising	ces1373
		falling	ces1374
won	won	flat	ces1376
	(Korea)	rising	ces1377
		falling	ces1378
wons	wons	flat	ces1380
	(Korea)	rising	ces1381
		falling	ces1382
franc	franc	flat	ces1384
	(Belgium)	rising	ces1385
		falling	ces1386
francs	francs	flat	ces1388
	(Belgium)	rising	ces1389
		falling	ces1390

Czech audio (Sheet 20 of 39)

Czech phrase or English equivalent	English	Phrase intonation	File name
centime	centime	flat	ces1392
	(Belgium)	rising	ces1393
		falling	ces1394
centimes	centimes	flat	ces1396
	(Belgium)	rising	ces1397
		falling	ces1398
dollar	dollar	flat	ces1400
	(Canada)	rising	ces1401
		falling	ces1402
dollars	dollars	flat	ces1404
	(Canada)	rising	ces1405
		falling	ces1406
cent	cent	flat	ces1408
	(Canada)	rising	ces1409
		falling	ces1410
cents	cents	flat	ces1412
	(Canada)	rising	ces1413
		falling	ces1414
dollar	dollar	flat	ces1416
	(Hong Kong)	rising	ces1417
		falling	ces1418
dollars	dollars	flat	ces1420
	(Hong Kong)	rising	ces1421
		falling	ces1422
cent	cent	flat	ces1424
	(Hong Kong)	rising	ces1425
		falling	ces1426

Czech audio (Sheet 21 of 39)

Czech phrase or English equivalent	English	Phrase intonation	File name
cents	cents	flat	ces1428
	(Hong Kong)	rising	ces1429
		falling	ces1430
gok	gok	flat	ces1488
	(Hong Kong)	rising	ces1489
		falling	ces1490
Goks	goks	flat	ces1492
	(Hong Kong)	rising	ces1493
		falling	ces1494
escudo	escudo	flat	ces1432
	(Portugal)	rising	ces1433
		falling	ces1434
escudos	escudos	flat	ces1436
	(Portugal)	rising	ces1437
		falling	ces1438
centavo	centavo	flat	ces1440
	(Portugal)	rising	ces1441
		falling	ces1442
centavos	centavos	flat	ces1444
	(Portugal)	rising	ces1445
		falling	ces1446
yuan	yuan	flat	ces1448
	(China)	rising	ces1449
		falling	ces1450
yuans	yuans	flat	ces1452
	(China)	rising	ces1453
		falling	ces1454

Czech audio (Sheet 22 of 39)

Czech phrase or English equivalent	English	Phrase intonation	File name
jiao	jiao	flat	ces1456
	(China)	rising	ces1457
		falling	ces1458
jiaos	jiaos	flat	ces1460
	(China)	rising	ces1461
		falling	ces1462
fen	fen	flat	ces1464
	(China)	rising	ces1465
		falling	ces1466
fens	fens	flat	ces1468
	(China)	rising	ces1469
		falling	ces1470
pound	pound	flat	ces1472
	(Ireland)	rising	ces1473
		falling	ces1474
pounds	pounds	flat	ces1476
	(Ireland)	rising	ces1477
		falling	ces1478
penny	penny	flat	ces1480
	(Ireland)	rising	ces1481
		falling	ces1482
pence	pence	flat	ces1484
	(Ireland)	rising	ces1485
		falling	ces1486
shekel	shekel	flat	ces4000
	(Israel)	rising	ces4001
		falling	ces4002

Czech audio (Sheet 23 of 39)

Czech phrase or English equivalent	English	Phrase intonation	File name
shekels	shekels (Israel)	flat	ces4004
		rising	ces4005
		falling	ces4006
agoro	agoro (Israel)	flat	ces4008
		rising	ces4009
		falling	ces4010
agoros	agoros (Israel)	flat	ces4012
		rising	ces4013
		falling	ces4014
koruna	koruna (Czech)	flat	ces4016
		rising	ces4017
		falling	ces4018
korun	korunas (Czech)	flat	ces4020
		rising	ces4021
		falling	ces4022
haleru	haleru (Czech)	flat	ces4024
		rising	ces4025
		falling	ces4026
haleroo	halerus (Czech)	flat	ces4028
		rising	ces4029
		falling	ces4030
lira	lira (Turkey)	flat	ces4032
		rising	ces4033
		falling	ces4034
lire	lire (Turkey)	flat	ces4036
		rising	ces4037
		falling	ces4038

Czech audio (Sheet 24 of 39)

Czech phrase or English equivalent	English	Phrase intonation	File name
dratshma	drachma (Greece)	flat	ces4040
		rising	ces4041
		falling	ces4042
drachmas	drachmas (Greece)	flat	ces4044
		rising	ces4045
		falling	ces4046
dong	dong (Vietnam)	flat	ces4048
		rising	ces4049
		falling	ces4050
dongs	dongs (Vietnam)	flat	ces4052
		rising	ces4053
		falling	ces4054
rupi-e	rupee (India)	flat	ces4056
		rising	ces4057
		falling	ces4058
rupi-ee	rupees (India)	flat	ces4060
		rising	ces4061
		falling	ces4062
paisa	paisa (India)	flat	ces4064
		rising	ces4065
		falling	ces4066
paisoo	paisas (India)	flat	ces4068
		rising	ces4069
		falling	ces4070
yedna	one (fem.)	flat	ces920
		rising	ces921
		falling	ces922

Czech audio (Sheet 25 of 39)

Czech phrase or English equivalent	English	Phrase intonation	File name
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 *n* 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 *n* billion)	flat	ces956
		rising	ces957
		falling	ces958

Czech audio (Sheet 26 of 39)

Czech phrase or English equivalent	English	Phrase intonation	File name
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)

Czech phrase or English equivalent	English	Phrase intonation	File name
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
trzhet-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)

Czech phrase or English equivalent	English	Phrase intonation	File name
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)

Czech phrase or English equivalent	English	Phrase intonation	File name
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)

Czech phrase or English equivalent	English	Phrase intonation	File name
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)

Czech phrase or English equivalent	English	Phrase intonation	File name
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	flat	ces1172
	(00:00 a.m.)	rising	ces1173
		falling	ces1174

Czech audio (Sheet 32 of 39)

Czech phrase or English equivalent	English	Phrase intonation	File name
po poolnotsi	after midnight	flat	ces1176
	(00:01 a.m. to 00:59a.m.)	rising	ces1177
		falling	ces1178
ranho	morning	flat	ces1180
	(1:00 a.m. to 11:00 a.m.)	rising	ces1181
		falling	ces1182
poledne	noon	flat	ces1184
	(12:00 p.m.)	rising	ces1185
		falling	ces1186
odpoledne	afternoon	flat	ces1188
	(12:01 p.m. to 4:00 p.m.)	rising	ces1189
		falling	ces1190
vecher	evening	flat	ces1192
	(5:00 p.m. to 7:00 p.m.)	rising	ces1193
		falling	ces1194
v notsi	night	flat	ces1196
	(8:00 p.m. to 11:00 p.m.)	rising	ces1197
		falling	ces1198
druha	second	flat	ces1500
	(fem)	rising	ces1501
		falling	ces1502
chtvrta	fourth	flat	ces1504
	(fem)	rising	ces1505
		falling	ces1506
pata	fifth	flat	ces1508
	(fem)	rising	ces1509
		falling	ces1510

Czech audio (Sheet 33 of 39)

Czech phrase or English equivalent	English	Phrase intonation	File name
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)

Czech phrase or English equivalent	English	Phrase intonation	File name
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)

Czech phrase or English equivalent	English	Phrase intonation	File name
shedesata	sixtieth (fem)	flat	ces1584
		rising	ces1585
		falling	ces1586
sedumdesata	seventieth (fem)	flat	ces1588
		rising	ces1589
		falling	ces1590
osumdesata	eightieth (fem)	flat	ces1592
		rising	ces1593
		falling	ces1594
devadesata	ninetieth (fem)	flat	ces1596
		rising	ces1597
		falling	ces1598
sta	hundredth (fem)	flat	ces1600
		rising	ces1601
		falling	ces1602
tiseetsa	thousandth (fem)	flat	ces1604
		rising	ces1605
		falling	ces1606
milionta	millionth (fem)	flat	ces1608
		rising	ces1609
		falling	ces1610
miliardta	billionth (fem)	flat	ces1612
		rising	ces1613
		falling	ces1614
druhae	second (neuter)	flat	ces1616
		rising	ces1617
		falling	ces1618

Czech audio (Sheet 36 of 39)

Czech phrase or English equivalent	English	Phrase intonation	File name
chvrtae	fourth	flat	ces1620
	(neuter)	rising	ces1621
		falling	ces1622
patae	fifth	flat	ces1624
	(neuter)	rising	ces1625
		falling	ces1626
shestae	sixth	flat	ces1628
	(neuter)	rising	ces1629
		falling	ces1630
sedmae	seventh	flat	ces1632
	(neuter)	rising	ces1633
		falling	ces1634
osmae	eighth	flat	ces1636
	(neuter)	rising	ces1637
		falling	ces1638
devatae	ninth	flat	ces1640
	(neuter)	rising	ces1641
		falling	ces1642
desatae	tenth	flat	ces1644
	(neuter)	rising	ces1645
		falling	ces1646
yedenatstae	eleventh	flat	ces1648
	(neuter)	rising	ces1649
		falling	ces1650
dvanatstae	twelfth	flat	ces1652
	(neuter)	rising	ces1653
		falling	ces1654

Czech audio (Sheet 37 of 39)

Czech phrase or English equivalent	English	Phrase intonation	File name
trhinatstae	thirteenth (neuter)	flat	ces1656
		rising	ces1657
		falling	ces1658
chtrnatstae	fourteenth (neuter)	flat	ces1660
		rising	ces1661
		falling	ces1662
patnatstae	fifteenth (neuter)	flat	ces1664
		rising	ces1665
		falling	ces1666
shestnatstae	sixteenth (neuter)	flat	ces1668
		rising	ces1669
		falling	ces1670
sedumnatstae	seventeenth (neuter)	flat	ces1672
		rising	ces1673
		falling	ces1674
osumnatstae	eighteenth (neuter)	flat	ces1676
		rising	ces1677
		falling	ces1678
devatenatstae	nineteenth (neuter)	flat	ces1680
		rising	ces1681
		falling	ces1682
dvatsatae	twentieth (neuter)	flat	ces1684
		rising	ces1685
		falling	ces1686
trhisatae	thirtieth (neuter)	flat	ces1688
		rising	ces1689
		falling	ces1690

Czech audio (Sheet 38 of 39)

Czech phrase or English equivalent	English	Phrase intonation	File name
chtyrhitsatae	fortieth	flat	ces1692
	(neuter)	rising	ces1693
		falling	ces1694
padesatae	fiftieth	flat	ces1696
	(neuter)	rising	ces1697
		falling	ces1698
shedesatae	sixtieth	flat	ces1700
	(neuter)	rising	ces1701
		falling	ces1702
sedumdesatae	seventieth	flat	ces1704
	(neuter)	rising	ces1705
		falling	ces1706
osumdesatae	eightieth	flat	ces1708
	(neuter)	rising	ces1709
		falling	ces1710
devadesatae	ninetieth	flat	ces1712
	(neuter)	rising	ces1713
		falling	ces1714
stae	hundredth	flat	ces1716
	(neuter)	rising	ces1717
		falling	ces1718
tiseetsae	thousandth	flat	ces1720
	(neuter)	rising	ces1721
		falling	ces1722

Czech audio (Sheet 39 of 39)

Czech phrase or English equivalent	English	Phrase intonation	File name
miliontae	millionth (neuter)	flat	ces1724
		rising	ces1725
		falling	ces1726
miliardtae	billionth (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 (US)	flat	eng1200
	rising	eng1201
	falling	eng1202
dollars (US)	flat	eng1204
	rising	eng1205
	falling	eng1206
cent (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 provision12-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	flat	fra8
	(masculine)	rising	fra9
		falling	fra10
une	one	flat	fra1504
	(feminine)	rising	fra1505
		falling	fra1506
"et un"	"and one"	flat	fra1508
	(masculine)	rising	fra1509
		falling	fra1510
"et une"	"and one"	flat	fra1512
	(feminine)	rising	fra1513
		falling	fra1514

French audio (Sheet 2 of 25)

French phrase or English equivalent	English	Phrase intonation	File name
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)

French phrase or English equivalent	English	Phrase intonation	File name
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)

French phrase or English equivalent	English	Phrase intonation	File name
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)

French phrase or English equivalent	English	Phrase intonation	File name
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)

French phrase or English equivalent	English	Phrase intonation	File name
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)

French phrase or English equivalent	English	Phrase intonation	File name
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)

French phrase or English equivalent	English	Phrase intonation	File name
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)

French phrase or English equivalent	English	Phrase intonation	File name
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)

French phrase or English equivalent	English	Phrase intonation	File name
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)

French phrase or English equivalent	English	Phrase intonation	File name
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)

French phrase or English equivalent	English	Phrase intonation	File name
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)

French phrase or English equivalent	English	Phrase intonation	File name
samedi	Saturday	flat	fra720
		rising	fra721
		falling	fra722
premier	first	flat	fra728
	(masc)	rising	fra729
		falling	fra730
premiere	first	flat	fra1516
	(feminine)	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)

French phrase or English equivalent	English	Phrase intonation	File name
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)

French phrase or English equivalent	English	Phrase intonation	File name
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)

French phrase or English equivalent	English	Phrase intonation	File name
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)

French phrase or English equivalent	English	Phrase intonation	File name
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	flat	fra896
	(#)	rising	fra897
		falling	fra898
asterisque	asterisk	flat	fra900
	(*)	rising	fra901
		falling	fra902
Dollar	dollar	flat	fra1200
	(US)	rising	fra1201
		falling	fra1202
Dollars	dollars	flat	fra1204
	(US)	rising	fra1205
		falling	fra1206
Cent	cent	flat	fra1208
	(US)	rising	fra1209
		falling	fra1210

French audio (Sheet 18 of 25)

French phrase or English equivalent	English	Phrase intonation	File name
Cents	cents	flat	fra1212
	(US)	rising	fra1213
		falling	fra1214
Mark	mark	flat	fra1216
	(Germany)	rising	fra1217
		falling	fra1218
Marks	marks	flat	fra1220
	(Germany)	rising	fra1221
		falling	fra1222
Pfennig	pfennig	flat	fra1224
	(Germany)	rising	fra1225
		falling	fra1226
Pfennigs	pfennigs	flat	fra1228
	(Germany)	rising	fra1229
		falling	fra1230
Yen	yen	flat	fra1232
	(Japan)	rising	fra1233
		falling	fra1234
Yens	yens	flat	fra1236
	(Japan)	rising	fra1237
		falling	fra1238
Lira	lira	flat	fra1240
	(Italy)	rising	fra1241
		falling	fra1242
Lire	liras	flat	fra1244
	(Italy)	rising	fra1245
		falling	fra1246

French audio (Sheet 19 of 25)

French phrase or English equivalent	English	Phrase intonation	File name
Guilder	guilder	flat	fra1248
	(Netherlands)	rising	fra1249
		falling	fra1250
Guilders	guilders	flat	fra1252
	(Netherlands)	rising	fra1253
		falling	fra1254
Cent	cent	flat	fra1256
	(Netherlands)	rising	fra1257
		falling	fra1258
Cents	cents	flat	fra1260
	(Netherlands)	rising	fra1261
		falling	fra1262
Pound	pound	flat	fra1264
	(UK)	rising	fra1265
		falling	fra1266
Pounds	pounds	flat	fra1268
	(UK)	rising	fra1269
		falling	fra1270
penny	penny	flat	fra1272
	(UK)	rising	fra1273
		falling	fra1274
pence	pence	flat	fra1276
	(UK)	rising	fra1277
		falling	fra1278
euro	euro	flat	fra1280
	(Euro)	rising	fra1281
		falling	fra1282

French audio (Sheet 20 of 25)

French phrase or English equivalent	English	Phrase intonation	File name
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)

French phrase or English equivalent	English	Phrase intonation	File name
peso	peso	flat	fra1328
	(Philippines)	rising	fra1329
		falling	fra1330
pesos	pesos	flat	fra1332
	(Philippines)	rising	fra1333
		falling	fra1334
centavo	centavo	flat	fra1336
	(Philippines)	rising	fra1337
		falling	fra1338
centavos	centavos	flat	fra1340
	(Philippines)	rising	fra1341
		falling	fra1342
ringgit	ringgit	flat	fra1344
	(Malaysia)	rising	fra1345
		falling	fra1346
ringgits	ringgits	flat	fra1348
	(Malaysia)	rising	fra1349
		falling	fra1350
sen	sen	flat	fra1352
	(Malaysia)	rising	fra1353
		falling	fra1354
sens	sens	flat	fra1356
	(Malaysia)	rising	fra1357
		falling	fra1358
baht	baht	flat	fra1360
	(Thailand)	rising	fra1361
		falling	fra1362

French audio (Sheet 22 of 25)

French phrase or English equivalent	English	Phrase intonation	File name
bahts	bahts (Thailand)	flat	fra1364
		rising	fra1365
		falling	fra1366
satang	satang (Thailand)	flat	fra1368
		rising	fra1369
		falling	fra1370
satangs	satangs (Thailand)	flat	fra1372
		rising	fra1373
		falling	fra1374
won	won (Korea)	flat	fra1376
		rising	fra1377
		falling	fra1378
wons	wons (Korea)	flat	fra1380
		rising	fra1381
		falling	fra1382
franc	franc (Belgium)	flat	fra1384
		rising	fra1385
		falling	fra1386
francs	francs (Belgium)	flat	fra1388
		rising	fra1389
		falling	fra1390
centime	centime (Belgium)	flat	fra1392
		rising	fra1393
		falling	fra1394
centimes	centimes (Belgium)	flat	fra1396
		rising	fra1397
		falling	fra1398

French audio (Sheet 23 of 25)

French phrase or English equivalent	English	Phrase intonation	File name
dollar	dollar	flat	fra1400
	(Canada)	rising	fra1401
		falling	fra1402
dollars	dollars	flat	fra1404
	(Canada)	rising	fra1405
		falling	fra1406
cent	cent	flat	fra1408
	(Canada)	rising	fra1409
		falling	fra1410
cents	cents	flat	fra1412
	(Canada)	rising	fra1413
		falling	fra1414
dollar	dollar	flat	fra1416
	(Hong Kong)	rising	fra1417
		falling	fra1418
dollars	dollars	flat	fra1420
	(Hong Kong)	rising	fra1421
		falling	fra1422
cent	cent	flat	fra1424
	(Hong Kong)	rising	fra1425
		falling	fra1426
cents	cents	flat	fra1428
	(Hong Kong)	rising	fra1429
		falling	fra1430
gok	gok	flat	fra1488
	(Hong Kong)	rising	fra1489
		falling	fra1490

French audio (Sheet 24 of 25)

French phrase or English equivalent	English	Phrase intonation	File name
goks	goks	flat	fra1492
	(Hong Kong)	rising	fra1493
		falling	fra1494
escudo	escudo	flat	fra1432
	(Portugal)	rising	fra1433
		falling	fra1434
escudos	escudos	flat	fra1436
	(Portugal)	rising	fra1437
		falling	fra1438
centavo	centavo	flat	fra1440
	(Portugal)	rising	fra1441
		falling	fra1442
centavos	centavos	flat	fra1444
	(Portugal)	rising	fra1445
		falling	fra1446
yuan	yuan	flat	fra1448
	(China)	rising	fra1449
		falling	fra1450
yuans	yuans	flat	fra1452
	(China)	rising	fra1453
		falling	fra1454
jiao	jiao	flat	fra1456
	(China)	rising	fra1457
		falling	fra1458
jiaos	jiaos	flat	fra1460
	(China)	rising	fra1461
		falling	fra1462

French audio (Sheet 25 of 25)

French phrase or English equivalent	English	Phrase intonation	File name
fen	fen	flat	fra1464
	(China)	rising	fra1465
		falling	fra1466
fens	fens	flat	fra1468
	(China)	rising	fra1469
		falling	fra1470
pound	pound	flat	fra1472
	(Ireland)	rising	fra1473
		falling	fra1474
pounds	pounds	flat	fra1476
	(Ireland)	rising	fra1477
		falling	fra1478
penny	penny	flat	fra1480
	(Ireland)	rising	fra1481
		falling	fra1482
pence	pence	flat	fra1484
	(Ireland)	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)

Galician phrase or English equivalent	English	Phrase intonation	File name
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)

Galician phrase or English equivalent	English	Phrase intonation	File name
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
dezaoito	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)

Galician phrase or English equivalent	English	Phrase intonation	File name
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)

Galician phrase or English equivalent	English	Phrase intonation	File name
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)

Galician phrase or English equivalent	English	Phrase intonation	File name
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
vinteoito	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)

Galician phrase or English equivalent	English	Phrase intonation	File name
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)

Galician phrase or English equivalent	English	Phrase intonation	File name
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)

Galician phrase or English equivalent	English	Phrase intonation	File name
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)

Galician phrase or English equivalent	English	Phrase intonation	File name
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)

Galician phrase or English equivalent	English	Phrase intonation	File name
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)

Galician phrase or English equivalent	English	Phrase intonation	File name
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)

Galician phrase or English equivalent	English	Phrase intonation	File name
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
noveno	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)

Galician phrase or English equivalent	English	Phrase intonation	File name
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)

Galician phrase or English equivalent	English	Phrase intonation	File name
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	flat	glg896
	(#)	rising	glg897
		falling	glg898
estrela	asterisk	flat	glg900
	(*)	rising	glg901
		falling	glg902

Galician audio (Sheet 16 of 34)

Galician phrase or English equivalent	English	Phrase intonation	File name
dollar	dollar	flat	glg1200
	(US)	rising	glg1201
		falling	glg1202
dollars	dollars	flat	glg1204
	(US)	rising	glg1205
		falling	glg1206
cent	cent	flat	glg1208
	(US)	rising	glg1209
		falling	glg1210
cents	cents	flat	glg1212
	(US)	rising	glg1213
		falling	glg1214
mark	mark	flat	glg1216
	(Germany)	rising	glg1217
		falling	glg1218
marks	marks	flat	glg1220
	(Germany)	rising	glg1221
		falling	glg1222
pfennig	pfennig	flat	glg1224
	(Germany)	rising	glg1225
		falling	glg1226
pfennigs	pfennigs	flat	glg1228
	(Germany)	rising	glg1229
		falling	glg1230
yen	yen	flat	glg1232
	(Japan)	rising	glg1233
		falling	glg1234

Galician audio (Sheet 17 of 34)

Galician phrase or English equivalent	English	Phrase intonation	File name
yens	yens	flat	glg1236
	(Japan)	rising	glg1237
		falling	glg1238
lira	lira	flat	glg1240
	(Italy)	rising	glg1241
		falling	glg1242
liras	liras	flat	glg1244
	(Italy)	rising	glg1245
		falling	glg1246
guilder	guilder	flat	glg1248
	(Netherlands)	rising	glg1249
		falling	glg1250
guilders	guilders	flat	glg1252
	(Netherlands)	rising	glg1253
		falling	glg1254
cent	cent	flat	glg1256
	(Netherlands)	rising	glg1257
		falling	glg1258
cents	cents	flat	glg1260
	(Netherlands)	rising	glg1261
		falling	glg1262
pound	pound	flat	glg1264
	(UK)	rising	glg1265
		falling	glg1266
pounds	pounds	flat	glg1268
	(UK)	rising	glg1269
		falling	glg1270

Galician audio (Sheet 18 of 34)

Galician phrase or English equivalent	English	Phrase intonation	File name
penny	penny	flat	glg1272
	(UK)	rising	glg1273
		falling	glg1274
pence	pence	flat	glg1276
	(UK)	rising	glg1277
		falling	glg1278
euro	euro	flat	glg1280
	(Euro)	rising	glg1281
		falling	glg1282
euros	euros	flat	glg1284
	(Euro)	rising	glg1285
		falling	glg1286
eurocent	eurocent	flat	glg1288
	(Euro)	rising	glg1289
		falling	glg1290
eurocents	eurocents	flat	glg1292
	(Euro)	rising	glg1293
		falling	glg1294
franc	franc	flat	glg1296
	(France)	rising	glg1297
		falling	glg1298
francs	francs	flat	glg1300
	(France)	rising	glg1301
		falling	glg1302
centime	centime	flat	glg1304
	(France)	rising	glg1305
		falling	glg1306

Galician audio (Sheet 19 of 34)

Galician phrase or English equivalent	English	Phrase intonation	File name
centimes	centimes	flat	glg1308
	(France)	rising	glg1309
		falling	glg1310
peseta	peseta	flat	glg1312
	(Spain)	rising	glg1313
		falling	glg1314
pesetas	pesetas	flat	glg1316
	(Spain)	rising	glg1317
		falling	glg1318
peso	peso	flat	glg1328
	(Philippines)	rising	glg1329
		falling	glg1330
pesos	pesos	flat	glg1332
	(Philippines)	rising	glg1333
		falling	glg1334
centavo	centavo	flat	glg1336
	(Philippines)	rising	glg1337
		falling	glg1338
centavos	centavos	flat	glg1340
	(Philippines)	rising	glg1341
		falling	glg1342
ringgit	ringgit	flat	glg1344
	(Malaysia)	rising	glg1345
		falling	glg1346
ringgits	ringgits	flat	glg1348
	(Malaysia)	rising	glg1349
		falling	glg1350

Galician audio (Sheet 20 of 34)

Galician phrase or English equivalent	English	Phrase intonation	File name
sen	sen	flat	glg1352
	(Malaysia)	rising	glg1353
		falling	glg1354
sens	sens	flat	glg1356
	(Malaysia)	rising	glg1357
		falling	glg1358
baht	baht	flat	glg1360
	(Thailand)	rising	glg1361
		falling	glg1362
bahts	bahts	flat	glg1364
	(Thailand)	rising	glg1365
		falling	glg1366
satang	satang	flat	glg1368
	(Thailand)	rising	glg1369
		falling	glg1370
satangs	satangs	flat	glg1372
	(Thailand)	rising	glg1373
		falling	glg1374
won	won	flat	glg1376
	(Korea)	rising	glg1377
		falling	glg1378
wons	wons	flat	glg1380
	(Korea)	rising	glg1381
		falling	glg1382
franc	franc	flat	glg1384
	(Belgium)	rising	glg1385
		falling	glg1386

Galician audio (Sheet 21 of 34)

Galician phrase or English equivalent	English	Phrase intonation	File name
francs	francs	flat	glg 1388
	(Belgium)	rising	glg1389
		falling	glg1390
centime	centime	flat	glg1392
	(Belgium)	rising	glg1393
		falling	glg1394
centimes	centimes	flat	glg1396
	(Belgium)	rising	glg1397
		falling	glg1398
dollar	dollar	flat	glg1400
	(Canada)	rising	glg1401
		falling	glg1402
dollars	dollars	flat	glg1404
	(Canada)	rising	glg1405
		falling	glg1406
cent	cent	flat	glg1408
	(Canada)	rising	glg1409
		falling	glg1410
cents	cents	flat	glg1412
	(Canada)	rising	glg1413
		falling	glg1414
dollar	dollar	flat	glg1416
	(Hong Kong)	rising	glg1417
		falling	glg1418
dollars	dollars	flat	glg1420
	(Hong Kong)	rising	glg1421
		falling	glg1422

Galician audio (Sheet 22 of 34)

Galician phrase or English equivalent	English	Phrase intonation	File name
cent	cent	flat	glg1424
	(Hong Kong)	rising	glg1425
		falling	glg1426
cents	cents	flat	glg1428
	(Hong Kong)	rising	glg1429
		falling	glg1430
gok	gok	flat	glg1488
	(Hong Kong)	rising	glg1489
		falling	glg1490
goks	goks	flat	glg1492
	(Hong Kong)	rising	glg1493
		falling	glg1494
escudo	escudo	flat	glg1432
	(Portugal)	rising	glg1433
		falling	glg1434
escudos	escudos	flat	glg1436
	(Portugal)	rising	glg1437
		falling	glg1438
centavo	centavo	flat	glg1440
	(Portugal)	rising	glg1441
		falling	glg1442
centavos	centavos	flat	glg1444
	(Portugal)	rising	glg1445
		falling	glg1446
yuan	yuan	flat	glg1448
	(China)	rising	glg1449
		falling	glg1450

Galician audio (Sheet 23 of 34)

Galician phrase or English equivalent	English	Phrase intonation	File name
yuans	yuans	flat	glg1452
	(China)	rising	glg1453
		falling	glg1454
jiao	jiao	flat	glg1456
	(China)	rising	glg1457
		falling	glg1458
jiaos	jiaos	flat	glg1460
	(China)	rising	glg1461
		falling	glg1462
fen	fen	flat	glg1464
	(China)	rising	glg1465
		falling	glg1466
fens	fens	flat	glg1468
	(China)	rising	glg1469
		falling	glg1470
pound	pound	flat	glg1472
	(Ireland)	rising	glg1473
		falling	glg1474
pounds	pounds	flat	glg1476
	(Ireland)	rising	glg1477
		falling	glg1478
penny	penny	flat	glg1480
	(Ireland)	rising	glg1481
		falling	glg1482
pence	pence	flat	glg1484
	(Ireland)	rising	glg1485
		falling	glg1486

Galician audio (Sheet 24 of 34)

Galician phrase or English equivalent	English	Phrase intonation	File name
un	one	flat	glg920
	(masc)	rising	glg921
		falling	glg922
unha	one	flat	glg924
	(fem)	rising	glg925
		falling	glg926
duas	two	flat	glg928
	(fem)	rising	glg929
		falling	glg930
vinteunha	twenty-one	flat	glg932
	(fem)	rising	glg933
		falling	glg934
vintiduas	twenty-two	flat	glg936
	(fem)	rising	glg937
		falling	glg938
duascentas	200	flat	glg940
	(fem)	rising	glg941
		falling	glg942
trescentas	300	flat	glg944
	(fem)	rising	glg945
		falling	glg946
catrocentas	400	flat	glg948
	(fem)	rising	glg949
		falling	glg950
cincocentas	500	flat	glg952
	(fem)	rising	glg953
		falling	glg954

Galician audio (Sheet 25 of 34)

Galician phrase or English equivalent	English	Phrase intonation	File name
seiscentas	600	flat	glg956
	(fem)	rising	glg957
		falling	glg958
setecentas	700	flat	glg960
	(fem)	rising	glg961
		falling	glg962
oitocentas	800	flat	glg964
	(fem)	rising	glg965
		falling	glg966
novecentas	900	flat	glg968
	(fem)	rising	glg969
		falling	glg970
milions	millions	flat	glg972
		rising	glg973
		falling	glg974
de	of	flat	glg980
		rising	glg981
		falling	glg982
primeira	first	flat	glg984
	(fem)	rising	glg985
		falling	glg986
segunda	second	flat	glg988
	(fem)	rising	glg989
		falling	glg990
terceira	third	flat	glg992
	(fem)	rising	glg993
		falling	glg994

Galician audio (Sheet 26 of 34)

Galician phrase or English equivalent	English	Phrase intonation	File name
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
novena	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)

Galician phrase or English equivalent	English	Phrase intonation	File name
decimo terceira	thirteenth (fem)	flat	glg1032
		rising	glg1033
		falling	glg1034
decimo cuarta	fourteenth (fem)	flat	glg1036
		rising	glg1037
		falling	glg1038
decimo quinta	fifteenth (fem)	flat	glg1040
		rising	glg1041
		falling	glg1042
decimo sexta	sixteenth (fem)	flat	glg1044
		rising	glg1045
		falling	glg1046
decimo setima	seventeenth (fem)	flat	glg1048
		rising	glg1049
		falling	glg1050
decimo oitava	eighteenth (fem)	flat	glg1052
		rising	glg1053
		falling	glg1054
decimo novena	nineteenth (fem)	flat	glg1056
		rising	glg1057
		falling	glg1058
vixesima	twentieth (fem)	flat	glg1060
		rising	glg1061
		falling	glg1062
trixesima	thirtieth (fem)	flat	glg1064
		rising	glg1065
		falling	glg1066

Galician audio (Sheet 28 of 34)

Galician phrase or English equivalent	English	Phrase intonation	File name
cuadraxesima	fortieth	flat	glg1068
	(fem)	rising	glg1069
		falling	glg1070
quincuaxesima	fiftieth	flat	glg1072
	(fem)	rising	glg1073
		falling	glg1074
sexaxesima	sixtieth	flat	glg1076
	(fem)	rising	glg1077
		falling	glg1078
septuaxesima	seventieth	flat	glg1080
	(fem)	rising	glg1081
		falling	glg1082
octaxesima	eightieth	flat	glg1084
	(fem)	rising	glg1085
		falling	glg1086
nonaxesima	ninetieth	flat	glg1088
	(fem)	rising	glg1089
		falling	glg1090
centesima	one-hundredth	flat	glg1092
	(fem)	rising	glg1093
		falling	glg1094
primeiros	first	flat	glg1536
	(plural, masc)	rising	glg1537
		falling	glg1538
segundos	second	flat	glg1540
	(plural, masc)	rising	glg1541
		falling	glg1542

Galician audio (Sheet 29 of 34)

Galician phrase or English equivalent	English	Phrase intonation	File name
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
setiomos	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)

Galician phrase or English equivalent	English	Phrase intonation	File name
decimos segundos	twelfth	flat	glg1580
	(plural, masc)	rising	glg1581
		falling	glg1582
decimo terceiros	thirteenth	flat	glg1584
	(plural, masc)	rising	glg1585
		falling	glg1586
decimo cuartos	fourteenth	flat	glg1588
	(plural, masc)	rising	glg1589
		falling	glg1590
decimo quintos	fifteenth	flat	glg1592
	(plural, masc)	rising	glg1593
		falling	glg1594
decimo sextos	sixteenth	flat	glg1596
	(plural, masc)	rising	glg1597
		falling	glg1598
decimo setimos	seventeenth	flat	glg1600
	(plural, masc)	rising	glg1601
		falling	glg1602
decimo oitavos	eighteenth	flat	glg1604
	(plural, masc)	rising	glg1605
		falling	glg1606
decimo novenos	nineteenth	flat	glg1608
	(plural, masc)	rising	glg1609
		falling	glg1610
vixesimos	twentieth	flat	glg1612
	(plural, masc)	rising	glg1613
		falling	glg1614

Galician audio (Sheet 31 of 34)

Galician phrase or English equivalent	English	Phrase intonation	File name
trixesimos	thirtieth	flat	glg1616
	(plural, masc)	rising	glg1617
		falling	glg1618
cuadraxesimos	fortieth	flat	glg1620
	(plural, masc)	rising	glg1621
		falling	glg1622
quincuaxesimos	fiftieth	flat	glg1624
	(plural, masc)	rising	glg1625
		falling	glg1626
sexaxesimos	sixtieth	flat	glg1628
	(plural, masc)	rising	glg1629
		falling	glg1630
septuaxesimos	seventieth	flat	glg1632
	(plural, masc)	rising	glg1633
		falling	glg1634
octaxesimos	eightieth	flat	glg1636
	(plural, masc)	rising	glg1637
		falling	glg1638
nonaxesimos	ninetieth	flat	glg1640
	(plural, masc)	rising	glg1641
		falling	glg1642
centesimos	one-hundredth	flat	glg1644
	(plural, masc)	rising	glg1645
		falling	glg1646
primeiras	first	flat	glg1728
	(fem, plural)	rising	glg1729
		falling	glg1730

Galician audio (Sheet 32 of 34)

Galician phrase or English equivalent	English	Phrase intonation	File name
segundas	second (fem, plural)	flat	glg1732
		rising	glg1733
		falling	glg1734
terceiras	third (fem, plural)	flat	glg1736
		rising	glg1737
		falling	glg1738
cuartas	fourth (fem, plural)	flat	glg 1740
		rising	glg1741
		falling	glg1742
quintas	fifth (fem, plural)	flat	glg1744
		rising	glg1745
		falling	glg1746
sextas	sixth (fem, plural)	flat	glg1748
		rising	glg1749
		falling	glg1750
setimas	seventh (fem, plural)	flat	glg1752
		rising	glg1753
		falling	glg1754
oitavas	eighth (fem, plural)	flat	glg1756
		rising	glg1757
		falling	glg1758
novenas	ninth (fem, plural)	flat	glg1760
		rising	glg1761
		falling	glg1762
decimas	tenth (fem, plural)	flat	glg1764
		rising	glg1765
		falling	glg1766

Galician audio (Sheet 33 of 34)

Galician phrase or English equivalent	English	Phrase intonation	File name
decimo primeiras	eleventh (fem, plural)	flat	glg1768
		rising	glg1769
		falling	glg1770
decimo segundas	twelfth (fem, plural)	flat	glg1772
		rising	glg1773
		falling	glg1774
decimo terceiras	thirteenth (fem, plural)	flat	glg1776
		rising	glg1777
		falling	glg1778
decimo cuartas	fourteenth (fem, plural)	flat	glg1780
		rising	glg1781
		falling	glg1782
decimo quintas	fifteenth (fem, plural)	flat	glg1784
		rising	glg1785
		falling	glg1786
decimo sextas	sixteenth (fem, plural)	flat	glg1788
		rising	glg1789
		falling	glg1790
decimo setimas	seventeenth (fem, plural)	flat	glg1792
		rising	glg1793
		falling	glg1794
decimo oitavas	eighteenth (fem, plural)	flat	glg1796
		rising	glg1797
		falling	glg1798
decimo novenas	nineteenth (fem, plural)	flat	glg1800
		rising	glg1801
		falling	glg1802

Galician audio (Sheet 34 of 34)

Galician phrase or English equivalent	English	Phrase intonation	File name
vixesimas	twentieth	flat	glg1804
	(fem, plural)	rising	glg1805
		falling	glg1806
trixesimas	thirtieth	flat	glg1808
	(fem, plural)	rising	glg1809
		falling	glg1810
cuadraxesimas	fortieth	flat	glg1812
	(fem, plural)	rising	glg1813
		falling	glg1814
quincuaxesimas	fiftieth	flat	glg1816
	(fem, plural)	rising	glg1817
		falling	glg1818
sexaxesimas	sixtieth	flat	glg1820
	(fem, plural)	rising	glg1821
		falling	glg1822
septuaxesimas	seventieth	flat	glg1824
	(fem, plural)	rising	glg1825
		falling	glg1826
octaxesimas	eightieth	flat	glg1828
	(fem, plural)	rising	glg1829
		falling	glg1830
nonaxesimas	ninetieth	flat	glg1832
	(fem, plural)	rising	glg1833
		falling	glg1834
centesimas	one-hundredth	flat	glg1836
	(fem, plural)	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	flat	deu8
	(neutral - counting)	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)

German phrase or English equivalent	English	Phrase intonation	File name
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)

German phrase or English equivalent	English	Phrase intonation	File name
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)

German phrase or English equivalent	English	Phrase intonation	File name
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)

German phrase or English equivalent	English	Phrase intonation	File name
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	flat	deu1500
	(masculine)	rising	deu1501
		falling	deu1502
eine	one	flat	deu1504
	(masculine)	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)

German phrase or English equivalent	English	Phrase intonation	File name
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 (singular)	flat	deu500
		rising	deu501
		falling	deu502
Millionen	million (plural)	flat	deu1544
		rising	deu1545
		falling	deu1546
Billion	billion	flat	deu504
		rising	deu505
		falling	deu506

German audio (Sheet 7 of 27)

German phrase or English equivalent	English	Phrase intonation	File name
“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)

German phrase or English equivalent	English	Phrase intonation	File name
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)

German phrase or English equivalent	English	Phrase intonation	File name
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)

German phrase or English equivalent	English	Phrase intonation	File name
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)

German phrase or English equivalent	English	Phrase intonation	File name
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)

German phrase or English equivalent	English	Phrase intonation	File name
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)

German phrase or English equivalent	English	Phrase intonation	File name
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)

German phrase or English equivalent	English	Phrase intonation	File name
Samstag	Saturday	flat	deu720
		rising	deu721
		falling	deu722
erste	first	flat	deu728
	(masc)	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)

German phrase or English equivalent	English	Phrase intonation	File name
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)

German phrase or English equivalent	English	Phrase intonation	File name
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)

German phrase or English equivalent	English	Phrase intonation	File name
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)

German phrase or English equivalent	English	Phrase intonation	File name
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)

German phrase or English equivalent	English	Phrase intonation	File name
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 (#)	flat	deu896
		rising	deu897
		falling	deu898
Stern	asterisk (*)	flat	deu900
		rising	deu901
		falling	deu902
Dollar	dollar (US)	flat	deu1200
		rising	deu1201
		falling	deu1202
Dollar	dollars (US)	flat	deu1204
		rising	deu1205
		falling	deu1206
Cent	cent (US)	flat	deu1208
		rising	deu1209
		falling	deu1210

German audio (Sheet 20 of 27)

German phrase or English equivalent	English	Phrase intonation	File name
Cents	cents	flat	deu1212
	(US)	rising	deu1213
		falling	deu1214
Mark	mark	flat	deu1216
	(Germany)	rising	deu1217
		falling	deu1218
Mark	marks	flat	deu1220
	(Germany)	rising	deu1221
		falling	deu1222
Pfennig	pfennig	flat	deu1224
	(Germany)	rising	deu1225
		falling	deu1226
Pfennige	pfennigs	flat	deu1228
	(Germany)	rising	deu1229
		falling	deu1230
Yen	yen	flat	deu1232
	(Japan)	rising	deu1233
		falling	deu1234
Yens	yens	flat	deu1236
	(Japan)	rising	deu1237
		falling	deu1238
Lira	lira	flat	deu1240
	(Italy)	rising	deu1241
		falling	deu1242
Lire	liras	flat	deu1244
	(Italy)	rising	deu1245
		falling	deu1246

German audio (Sheet 21 of 27)

German phrase or English equivalent	English	Phrase intonation	File name
Guilder	guilder (Netherlands)	flat	deu1248
		rising	deu1249
		falling	deu1250
Guilder	guilders (Netherlands)	flat	deu1252
		rising	deu1253
		falling	deu1254
Cent	cent (Netherlands)	flat	deu1256
		rising	deu1257
		falling	deu1258
Cent	cents (Netherlands)	flat	deu1260
		rising	deu1261
		falling	deu1262
Pound	pound (UK)	flat	deu1264
		rising	deu1265
		falling	deu1266
Pound	pounds (UK)	flat	deu1268
		rising	deu1269
		falling	deu1270
penny	penny (UK)	flat	deu1272
		rising	deu1273
		falling	deu1274
pence	pence (UK)	flat	deu1276
		rising	deu1277
		falling	deu1278
euro	euro (Euro)	flat	deu1280
		rising	deu1281
		falling	deu1282

German audio (Sheet 22 of 27)

German phrase or English equivalent	English	Phrase intonation	File name
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)

German phrase or English equivalent	English	Phrase intonation	File name
peso	peso	flat	deu1328
	(Philippines)	rising	deu1329
		falling	deu1330
pesos	pesos	flat	deu1332
	(Philippines)	rising	deu1333
		falling	deu1334
centavo	centavo	flat	deu1336
	(Philippines)	rising	deu1337
		falling	deu1338
centavos	centavos	flat	deu1340
	(Philippines)	rising	deu1341
		falling	deu1342
ringgit	ringgit	flat	deu1344
	(Malaysia)	rising	deu1345
		falling	deu1346
ringgits	ringgits	flat	deu1348
	(Malaysia)	rising	deu1349
		falling	deu1350
sen	sen	flat	deu1352
	(Malaysia)	rising	deu1353
		falling	deu1354
sens	sens	flat	deu1356
	(Malaysia)	rising	deu1357
		falling	deu1358
baht	baht	flat	deu1360
	(Thailand)	rising	deu1361
		falling	deu1362

German audio (Sheet 24 of 27)

German phrase or English equivalent	English	Phrase intonation	File name
bahts	bahts (Thailand)	flat	deu1364
		rising	deu1365
		falling	deu1366
satang	satang (Thailand)	flat	deu1368
		rising	deu1369
		falling	deu1370
satangs	satangs (Thailand)	flat	deu1372
		rising	deu1373
		falling	deu1374
won	won (Korea)	flat	deu1376
		rising	deu1377
		falling	deu1378
wons	wons (Korea)	flat	deu1380
		rising	deu1381
		falling	deu1382
franc	franc (Belgium)	flat	deu1384
		rising	deu1385
		falling	deu1386
francs	francs (Belgium)	flat	deu1388
		rising	deu1389
		falling	deu1390
centime	centime (Belgium)	flat	deu1392
		rising	deu1393
		falling	deu1394
centimes	centimes (Belgium)	flat	deu1396
		rising	deu1397
		falling	deu1398

German audio (Sheet 25 of 27)

German phrase or English equivalent	English	Phrase intonation	File name
dollar	dollar	flat	deu1400
	(Canada)	rising	deu1401
		falling	deu1402
dollars	dollars	flat	deu1404
	(Canada)	rising	deu1405
		falling	deu1406
cent	cent	flat	deu1408
	(Canada)	rising	deu1409
		falling	deu1410
cents	cents	flat	deu1412
	(Canada)	rising	deu1413
		falling	deu1414
dollar	dollar	flat	deu1416
	(Hong Kong)	rising	deu1417
		falling	deu1418
dollars	dollars	flat	deu1420
	(Hong Kong)	rising	deu1421
		falling	deu1422
cent	cent	flat	deu1424
	(Hong Kong)	rising	deu1425
		falling	deu1426
cents	cents	flat	deu1428
	(Hong Kong)	rising	deu1429
		falling	deu1430
Gok	gok	flat	deu1488
	(Hong Kong)	rising	deu1489
		falling	deu1490

German audio (Sheet 26 of 27)

German phrase or English equivalent	English	Phrase intonation	File name
Goks	goks	flat	deu1492
	(Hong Kong)	rising	deu1493
		falling	deu1494
escudo	escudo	flat	deu1432
	(Portugal)	rising	deu1433
		falling	deu1434
escudos	escudos	flat	deu1436
	(Portugal)	rising	deu1437
		falling	deu1438
centavo	centavo	flat	deu1440
	(Portugal)	rising	deu1441
		falling	deu1442
centavos	centavos	flat	deu1444
	(Portugal)	rising	deu1445
		falling	deu1446
yuan	yuan	flat	deu1448
	(China)	rising	deu1449
		falling	deu1450
yuans	yuans	flat	deu1452
	(China)	rising	deu1453
		falling	deu1454
jiao	jiao	flat	deu1456
	(China)	rising	deu1457
		falling	deu1458
jiaos	jiaos	flat	deu1460
	(China)	rising	deu1461
		falling	deu1462

German audio (Sheet 27 of 27)

German phrase or English equivalent	English	Phrase intonation	File name
fen	fen	flat	deu1464
	(China)	rising	deu1465
		falling	deu1466
fens	fens	flat	deu1468
	(China)	rising	deu1469
		falling	deu1470
pound	pound	flat	deu1472
	(Ireland)	rising	deu1473
		falling	deu1474
pounds	pounds	flat	deu1476
	(Ireland)	rising	deu1477
		falling	deu1478
penny	penny	flat	deu1480
	(Ireland)	rising	deu1481
		falling	deu1482
pence	pence	flat	deu1484
	(Ireland)	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
dhIo	two	flat	ell12
		rising	ell13
		falling	ell14
trIa	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)

Greek phrase or English equivalent	English	Phrase intonation	File name
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
dhekatrIa	thirteen	flat	ell68
		rising	ell69
		falling	ell70
dhekatEssera	fourteen	flat	ell72
		rising	ell73
		falling	ell74

Greek audio (Sheet 3 of 36)

Greek phrase or English equivalent	English	Phrase intonation	File name
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)

Greek phrase or English equivalent	English	Phrase intonation	File name
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)

Greek phrase or English equivalent	English	Phrase intonation	File name
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
chIlia	thousand	flat	ell496
		rising	ell497
		falling	ell498
ekatommIrio	million	flat	ell500
		rising	ell501
		falling	ell502
dhisekatommIrio	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)

Greek phrase or English equivalent	English	Phrase intonation	File name
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)

Greek phrase or English equivalent	English	Phrase intonation	File name
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)

Greek phrase or English equivalent	English	Phrase intonation	File name
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
mIon	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)

Greek phrase or English equivalent	English	Phrase intonation	File name
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
aprIlios	April	flat	ell660
		rising	ell661
		falling	ell662

Greek audio (Sheet 10 of 36)

Greek phrase or English equivalent	English	Phrase intonation	File name
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)

Greek phrase or English equivalent	English	Phrase intonation	File name
dhitEra	Monday	flat	ell700
		rising	ell701
		falling	ell702
trIti	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 (masc..)	flat	ell728
		rising	ell729
		falling	ell730
dhEfteros	second (masc.)	flat	ell732
		rising	ell733
		falling	ell734
trItos	third (masc.)	flat	ell736
		rising	ell737
		falling	ell738

Greek audio (Sheet 12 of 36)

Greek phrase or English equivalent	English	Phrase intonation	File name
tEtartos	fourth	flat	ell740
	(masc.)	rising	ell741
		falling	ell742
pEmptos	fifth	flat	ell744
	(masc.)	rising	ell745
		falling	ell746
Ektos	sixth	flat	ell748
	(masc.)	rising	ell749
		falling	ell750
Evdhomos	seventh	flat	ell752
	(masc.)	rising	ell753
		falling	ell754
Oghdhoos	eighth	flat	ell756
	(masc.)	rising	ell757
		falling	ell758
Enatos	ninth	flat	ell760
	(masc.)	rising	ell761
		falling	ell762
dhEkatos	tenth	flat	ell764
	(masc.)	rising	ell765
		falling	ell766
endhEkatos	eleventh	flat	ell768
	(masc.)	rising	ell769
		falling	ell770
dhodhEkatos	twelfth	flat	ell772
	(masc.)	rising	ell773
		falling	ell774

Greek audio (Sheet 13 of 36)

Greek phrase or English equivalent	English	Phrase intonation	File name
eikostOs	twentieth	flat	ell804
	(masc.)	rising	ell805
		falling	ell806
triakostOs	thirtieth	flat	ell808
	(masc.)	rising	ell809
		falling	ell810
tessarakostOs	fortieth	flat	ell812
	(masc.)	rising	ell813
		falling	ell814
pentikostOs	fiftieth	flat	ell816
	(masc.)	rising	ell817
		falling	ell818
eksikostOs	sixtieth	flat	ell820
	(masc.)	rising	ell821
		falling	ell822
evdhomikostOs	seventieth	flat	ell824
	(masc.)	rising	ell825
		falling	ell826
oghdhoikostOs	eightieth	flat	ell828
	(masc.)	rising	ell829
		falling	ell830
enenikostOs	ninetieth	flat	ell832
	(masc.)	rising	ell833
		falling	ell834
ekatostOs	one-hundreth	flat	ell836
	(masc.)	rising	ell837
		falling	ell838

Greek audio (Sheet 14 of 36)

Greek phrase or English equivalent	English	Phrase intonation	File name
dhiakosiostOs	two-hundreth (masc.)	flat	ell840
		rising	ell841
		falling	ell842
triakosiostOs	three-hundreth (masc.)	flat	ell844
		rising	ell845
		falling	ell846
tetrakosiostOs	four-hundreth (masc.)	flat	ell848
		rising	ell849
		falling	ell850
pentakosiostOs	five-hundreth (masc.)	flat	ell852
		rising	ell853
		falling	ell854
eksakosiostOs	six-hundreth (masc.)	flat	ell856
		rising	ell857
		falling	ell858
eptakosiostOs	seven-hundreth (masc.)	flat	ell860
		rising	ell861
		falling	ell862
oktakosiostOs	eight-hundreth (masc.)	flat	ell864
		rising	ell865
		falling	ell866
enniakosiostOs	nine-hundreth (masc.)	flat	ell868
		rising	ell869
		falling	ell870
chiliostOs	thousandth (masc.)	flat	ell872
		rising	ell873
		falling	ell874

Greek audio (Sheet 15 of 36)

Greek phrase or English equivalent	English	Phrase intonation	File name
ekatommiriostOs	millionth (masc.)	flat	ell880
		rising	ell881
		falling	ell882
dhisekatommiriostOs	billionth (masc.)	flat	ell888
		rising	ell889
		falling	ell890
dhIesi	pound sign (#)	flat	ell896
		rising	ell897
		falling	ell898
asterIskos	asterisk (*)	flat	ell900
		rising	ell901
		falling	ell902
metA mesimvrIan	a.m	flat	ell908
		rising	ell909
		falling	ell910
mI.mI	p.m	flat	ell912
		rising	ell913
		falling	ell914
dholArio	dollar (US)	flat	ell1200
		rising	ell1201
		falling	ell1202
dholAria	dollars (US)	flat	ell1204
		rising	ell1205
		falling	ell1206
sent	cent (US)	flat	ell1208
		rising	ell1209
		falling	ell1210

Greek audio (Sheet 16 of 36)

Greek phrase or English equivalent	English	Phrase intonation	File name
sents	cents	flat	ell1212
	(US)	rising	ell1213
		falling	ell1214
mark	mark	flat	ell1216
	(Germany)	rising	ell1217
		falling	ell1218
marks	marks	flat	ell1220
	(Germany)	rising	ell1221
		falling	ell1222
pfennig	pfennig	flat	ell1224
	(Germany)	rising	ell1225
		falling	ell1226
pfennigs	pfennigs	flat	ell1228
	(Germany)	rising	ell1229
		falling	ell1230
ghen	yen	flat	ell1232
	(Japan)	rising	ell1233
		falling	ell1234
yens	yens	flat	ell1236
	(Japan)	rising	ell1237
		falling	ell1238
lira	lira	flat	ell1240
	(Italy)	rising	ell1241
		falling	ell1242
lire	liras	flat	ell1244
	(Italy)	rising	ell1245
		falling	ell1246

Greek audio (Sheet 17 of 36)

Greek phrase or English equivalent	English	Phrase intonation	File name
guilder	guilder	flat	ell1248
	(Netherlands)	rising	ell1249
		falling	ell1250
guilders	guilders	flat	ell1252
	(Netherlands)	rising	ell1253
		falling	ell1254
cent	cent	flat	ell1256
	(Netherlands)	rising	ell1257
		falling	ell1258
cent	cents	flat	ell1260
	(Netherlands)	rising	ell1261
		falling	ell1262
pound	pound	flat	ell1264
	(UK)	rising	ell1265
		falling	ell1266
pounds	pounds	flat	ell1268
	(UK)	rising	ell1269
		falling	ell1270
penny	penny	flat	ell1272
	(UK)	rising	ell1273
		falling	ell1274
pence	pence	flat	ell1276
	(UK)	rising	ell1277
		falling	ell1278
irO	euro	flat	ell1280
	(Euro)	rising	ell1281
		falling	ell1282

Greek audio (Sheet 18 of 36)

Greek phrase or English equivalent	English	Phrase intonation	File name
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)

Greek phrase or English equivalent	English	Phrase intonation	File name
peso	peso	flat	ell1328
	(Philippines)	rising	ell1329
		falling	ell1330
pesos	pesos	flat	ell1332
	(Philippines)	rising	ell1333
		falling	ell1334
centavo	centavo	flat	ell1336
	(Philippines)	rising	ell1337
		falling	ell1338
centavos	centavos	flat	ell1340
	(Philippines)	rising	ell1341
		falling	ell1342
ringgit	ringgit	flat	ell1344
	(Malaysia)	rising	ell1345
		falling	ell1346
ringgits	ringgits	flat	ell1348
	(Malaysia)	rising	ell1349
		falling	ell1350
sen	sen	flat	ell1352
	(Malaysia)	rising	ell1353
		falling	ell1354
sens	sens	flat	ell1356
	(Malaysia)	rising	ell1357
		falling	ell1358
baht	baht	flat	ell1360
	(Thailand)	rising	ell1361
		falling	ell1362

Greek audio (Sheet 20 of 36)

Greek phrase or English equivalent	English	Phrase intonation	File name
bahts	bahts	flat	ell1364
	(Thailand)	rising	ell1365
		falling	ell1366
satang	satang	flat	ell1368
	(Thailand)	rising	ell1369
		falling	ell1370
satangs	satangs	flat	ell1372
	(Thailand)	rising	ell1373
		falling	ell1374
won	won	flat	ell1376
	(Korea)	rising	ell1377
		falling	ell1378
wons	wons	flat	ell1380
	(Korea)	rising	ell1381
		falling	ell1382
franc	franc	flat	ell1384
	(Belgium)	rising	ell1385
		falling	ell1386
francs	francs	flat	ell1388
	(Belgium)	rising	ell1389
		falling	ell1390
centime	centime	flat	ell1392
	(Belgium)	rising	ell1393
		falling	ell1394
centimes	centimes	flat	ell1396
	(Belgium)	rising	ell1397
		falling	ell1398

Greek audio (Sheet 21 of 36)

Greek phrase or English equivalent	English	Phrase intonation	File name
dollar	dollar	flat	ell1400
	(Canada)	rising	ell1401
		falling	ell1402
dollars	dollars	flat	ell1404
	(Canada)	rising	ell1405
		falling	ell1406
cent	cent	flat	ell1408
	(Canada)	rising	ell1409
		falling	ell1410
cents	cents	flat	ell1412
	(Canada)	rising	ell1413
		falling	ell1414
dollar	dollar	flat	ell1416
	(Hong Kong)	rising	ell1417
		falling	ell1418
dollars	dollars	flat	ell1420
	(Hong Kong)	rising	ell1421
		falling	ell1422
cent	cent	flat	ell1424
	(Hong Kong)	rising	ell1425
		falling	ell1426
cents	cents	flat	ell1428
	(Hong Kong)	rising	ell1429
		falling	ell1430
gok	gok	flat	ell1488
	(Hong Kong)	rising	ell1489
		falling	ell1490

Greek audio (Sheet 22 of 36)

Greek phrase or English equivalent	English	Phrase intonation	File name
goks	goks	flat	ell1492
	(Hong Kong)	rising	ell1493
		falling	ell1494
escudo	escudo	flat	ell1432
	(Portugal)	rising	ell1433
		falling	ell1434
escudos	escudos	flat	ell1436
	(Portugal)	rising	ell1437
		falling	ell1438
centavo	centavo	flat	ell1440
	(Portugal)	rising	ell1441
		falling	ell1442
centavos	centavos	flat	ell1444
	(Portugal)	rising	ell1445
		falling	ell1446
yuan	yuan	flat	ell1448
	(China)	rising	ell1449
		falling	ell1450
yuans	yuans	flat	ell1452
	(China)	rising	ell1453
		falling	ell1454
jiao	jiao	flat	ell1456
	(China)	rising	ell1457
		falling	ell1458
jiaos	jiaos	flat	ell1460
	(China)	rising	ell1461
		falling	ell1462

Greek audio (Sheet 23 of 36)

Greek phrase or English equivalent	English	Phrase intonation	File name
fen	fen	flat	ell1464
	(China)	rising	ell1465
		falling	ell1466
fens	fens	flat	ell1468
	(China)	rising	ell1469
		falling	ell1470
pound	pound	flat	ell1472
	(Ireland)	rising	ell1473
		falling	ell1474
pounds	pounds	flat	ell1476
	(Ireland)	rising	ell1477
		falling	ell1478
penny	penny	flat	ell1480
	(Ireland)	rising	ell1481
		falling	ell1482
pence	pence	flat	ell1484
	(Ireland)	rising	ell1485
		falling	ell1486
sekEl	shekel	flat	ell4000
	(Israel)	rising	ell4001
		falling	ell4002
shekels	shekels	flat	ell4004
	(Israel)	rising	ell4005
		falling	ell4016
agoro	agoro	flat	ell4008
	(Israel)	rising	ell4009
		falling	ell4010

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Greek phrase or English equivalent	English	Phrase intonation	File name
agoros	agoros	flat	ell4012
	(Israel)	rising	ell4013
		falling	ell4014
korOna tsechIas	koruna	flat	ell4016
	(Czech)	rising	ell4017
		falling	ell4018
korunas	korunas	flat	ell4020
	(Czech)	rising	ell4021
		falling	ell4022
haleru	haleru	flat	ell4024
	(Czech)	rising	ell4025
		falling	ell4026
halaeroo	halerus	flat	ell4028
	(Czech)	rising	ell4029
		falling	ell4030
lIra	lira	flat	ell4032
	(Turkey)	rising	ell4033
		falling	ell4034
lire	lire	flat	ell4036
	(Turkey)	rising	ell4037
		falling	ell4038
ellinikI dhrachmI	drachma	flat	ell4040
	(Greek)	rising	ell4041
		falling	ell4042
drachmas	drachmas	flat	ell4044
	(Greek)	rising	ell4045
		falling	ell4046

Greek audio (Sheet 25 of 36)

Greek phrase or English equivalent	English	Phrase intonation	File name
ntoghk	dong	flat	ell4048
	(Vietnamese)	rising	ell4049
		falling	ell4050
dongs	dongs	flat	ell4052
	(Vietnamese)	rising	ell4053
		falling	ell4054
rupIa	rupee	flat	ell4056
	(India)	rising	ell4057
		falling	ell4058
ruples	rupees	flat	ell4060
	(India)	rising	ell4061
		falling	ell4062
pAiza	paisa	flat	ell4064
	(India)	rising	ell4065
		falling	ell4066
pAizes	paisas	flat	ell4068
	(India)	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

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Greek phrase or English equivalent	English	Phrase intonation	File name
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)

Greek phrase or English equivalent	English	Phrase intonation	File name
to mesimEri	midnight	flat	ell968
		rising	ell969
		falling	ell970
ta mesAnichta	noon	flat	ell972
		rising	ell973
		falling	ell974
ekatOn	hundred	flat	ell976
	(101 to 199)	rising	ell977
		falling	ell978
chiliAdhes	thousands	flat	ell980
		rising	ell981
		falling	ell982
ekatommIria	millions	flat	ell984
		rising	ell985
		falling	ell986
dhisekatommIria	billions	flat	ell988
		rising	ell989
		falling	ell990
mIa	one	flat	ell992
	(fem.)	rising	ell993
		falling	ell994
tris	three	flat	ell996
	(fem.)	rising	ell997
		falling	ell998
tEsseris	four	flat	ell1000
	(fem.)	rising	ell1001
		falling	ell1002

Greek audio (Sheet 28 of 36)

Greek phrase or English equivalent	English	Phrase intonation	File name
dhekatreIs	thirteen (fem.)	flat	ell1004
		rising	ell1005
		falling	ell1006
dhekatEsseris	fourteen (fem.)	flat	ell1008
		rising	ell1009
		falling	ell1010
eIkosi	twenty (fem.)	flat	ell1012
		rising	ell1013
		falling	ell1014
dhiakOsies	two-hundred (fem.)	flat	ell1016
		rising	ell1017
		falling	ell1018
triakOsies	three-hundred (fem.)	flat	ell1020
		rising	ell1021
		falling	ell1022
tetrakOsies	four-hundred (fem.)	flat	ell1024
		rising	ell1025
		falling	ell1026
pentakOsies	five-hundred (fem.)	flat	ell1028
		rising	ell1029
		falling	ell1030
eksakOsies	six-hundred (fem.)	flat	ell1032
		rising	ell1033
		falling	ell1034
eptakOsies	seven-hundred (fem.)	flat	ell1036
		rising	ell1037
		falling	ell1038

Greek audio (Sheet 29 of 36)

Greek phrase or English equivalent	English	Phrase intonation	File name
oktakOsies	eight-hundred	flat	ell1040
	(fem.)	rising	ell1041
		falling	ell1042
enniakOsies	nine-hundred	flat	ell1044
	(fem.)	rising	ell1045
		falling	ell1046
prOti	first	flat	ell1048
	(fem.)	rising	ell1049
		falling	ell1050
dhEfteri	second	flat	ell1052
	(fem.)	rising	ell1053
		falling	ell1054
trIti	third	flat	ell1056
	(fem.)	rising	ell1057
		falling	ell1058
tEtarti	fourth	flat	ell1060
	(fem.)	rising	ell1061
		falling	ell1062
pEmpti	fifth	flat	ell1064
	(fem.)	rising	ell1065
		falling	ell1066
Ekti	sixth	flat	ell1068
	(fem.)	rising	ell1069
		falling	ell1070
Evdhomi	seventh	flat	ell1072
	(fem.)	rising	ell1073
		falling	ell1074

Greek audio (Sheet 30 of 36)

Greek phrase or English equivalent	English	Phrase intonation	File name
Oghdhoi	eighth	flat	ell1076
	(fem.)	rising	ell1077
		falling	ell1078
Enati	ninth	flat	ell1080
	(fem.)	rising	ell1081
		falling	ell1082
dhEkati	tenth	flat	ell1084
	(fem.)	rising	ell1085
		falling	ell1086
endhEkati	eleventh	flat	ell1088
	(fem.)	rising	ell1089
		falling	ell1090
dhodhEkati	twelfth	flat	ell1092
	(fem.)	rising	ell1093
		falling	ell1094
eikostI	twentieth	flat	ell1096
	(fem.)	rising	ell1097
		falling	ell1098
triakostI	thirtieth	flat	ell1100
	(fem.)	rising	ell1101
		falling	ell1102
tessarakostI	fortieth	flat	ell1104
	(fem.)	rising	ell1105
		falling	ell1106
pentikostI	fiftieth	flat	ell1108
	(fem.)	rising	ell1109
		falling	ell1110

Greek audio (Sheet 31 of 36)

Greek phrase or English equivalent	English	Phrase intonation	File name
eksikostI	sixtieth	flat	ell1112
	(fem.)	rising	ell1113
		falling	ell1114
evdhomikostI	seventieth	flat	ell1116
	(fem.)	rising	ell1117
		falling	ell1118
oghdhoikostI	eightieth	flat	ell1120
	(fem.)	rising	ell1121
		falling	ell1122
enenikostI	ninetieth	flat	ell1124
	(fem.)	rising	ell1125
		falling	ell1126
ekatostI	one-hundredth	flat	ell1128
	(fem.)	rising	ell1129
		falling	ell1130
dhiakosiostI	two-hundredth	flat	ell1132
	(fem.)	rising	ell1133
		falling	ell1134
triakosiostI	three-hundredth	flat	ell1136
	(fem.)	rising	ell1137
		falling	ell1138
tetrakosiostI	four-hundredth	flat	ell1140
	(fem.)	rising	ell1141
		falling	ell1142
pentakosiostI	five-hundredth	flat	ell1144
	(fem.)	rising	ell1145
		falling	ell1146

Greek audio (Sheet 32 of 36)

Greek phrase or English equivalent	English	Phrase intonation	File name
eksakosiostI	six-hundredth (fem.)	flat	ell1148
		rising	ell1149
		falling	ell1150
eptakosiostI	seven-hundredth (fem.)	flat	ell1152
		rising	ell1153
		falling	ell1154
oktakosiostI	eight-hundredth (fem.)	flat	ell1156
		rising	ell1157
		falling	ell1158
enniakosiostI	nine-hundredth (fem.)	flat	ell1160
		rising	ell1161
		falling	ell1162
chiliostI	thousandth (fem.)	flat	ell1164
		rising	ell1165
		falling	ell1166
ekatommiriostI	millionth (fem.)	flat	ell1168
		rising	ell1169
		falling	ell1170
dhisekatommiriostI	billionth (fem.)	flat	ell1172
		rising	ell1173
		falling	ell1174
dhEkatos	teenth (for 13 - 19(masc.))	flat	ell1176
		rising	ell1177
		falling	ell1178
dhEkati	teenth (for 13 - 19 (fem.))	flat	ell1180
		rising	ell1181
		falling	ell1182

Greek audio (Sheet 33 of 36)

Greek phrase or English equivalent	English	Phrase intonation	File name
dhEkato	teenth	flat	ell1184
	(for 13 - 19 (neuter))	rising	ell1185
		falling	ell1186
prOto	first	flat	ell1500
	(neuter)	rising	ell1501
		falling	ell1502
dhEftero	second	flat	ell1504
	(neuter)	rising	ell1505
		falling	ell1506
trIto	third	flat	ell1508
	(neuter)	rising	ell1509
		falling	ell1510
tEtarto	fourth	flat	ell1512
	(neuter)	rising	ell1513
		falling	ell1514
pEmpto	fifth	flat	ell1516
	(neuter)	rising	ell1517
		falling	ell1518
Ekto	sixth	flat	ell1520
	(neuter)	rising	ell1521
		falling	ell1522
Evdhomo	seventh	flat	ell1524
	(neuter)	rising	ell1525
		falling	ell1526
Oghdhoo	eighth	flat	ell1528
	(neuter)	rising	ell1529
		falling	ell1530

Greek audio (Sheet 34 of 36)

Greek phrase or English equivalent	English	Phrase intonation	File name
Enato	ninth	flat	ell1532
	(neuter)	rising	ell1533
		falling	ell1534
dhEkato	tenth	flat	ell1536
	(neuter)	rising	ell1537
		falling	ell1538
endhEkato	eleventh	flat	ell1540
	(neuter)	rising	ell1541
		falling	ell1542
dhodhEkato	twelfth	flat	ell1544
	(neuter)	rising	ell1545
		falling	ell1546
eikostO	twentieth	flat	ell1548
	(neuter)	rising	ell1549
		falling	ell1550
triakostO	thirtieth	flat	ell1552
	(neuter)	rising	ell1553
		falling	ell1554
tessarakostO	fortieth	flat	ell1556
	(neuter)	rising	ell1557
		falling	ell1558
pentikostO	fiftieth	flat	ell1560
	(neuter)	rising	ell1561
		falling	ell1562
eksikostO	sixtieth	flat	ell1564
	(neuter)	rising	ell1565
		falling	ell1566

Greek audio (Sheet 35 of 36)

Greek phrase or English equivalent	English	Phrase intonation	File name
evdhomikostO	seventieth (neuter)	flat	ell1568
		rising	ell1569
		falling	ell1570
oghdhoikostO	eightieth (neuter)	flat	ell1572
		rising	ell1573
		falling	ell1574
enenikostO	ninetieth (neuter)	flat	ell1576
		rising	ell1577
		falling	ell1578
ekatostO	one-hundredth (neuter)	flat	ell1580
		rising	ell1581
		falling	ell1582
dhiakosiostO	two-hundredth (neuter)	flat	ell1584
		rising	ell1585
		falling	ell1586
triakosiostO	three-hundredth (neuter)	flat	ell1588
		rising	ell1589
		falling	ell1590
tetrakosiostO	four-hundredth (neuter)	flat	ell1592
		rising	ell1593
		falling	ell1594
pentakosiostO	five-hundredth (neuter)	flat	ell1596
		rising	ell1597
		falling	ell1598
eksakosiostO	six-hundredth (neuter)	flat	ell1600
		rising	ell1601
		falling	ell1602

Greek audio (Sheet 36 of 36)

Greek phrase or English equivalent	English	Phrase intonation	File name
eptakosiostO	seven-hundredth (neuter)	flat	ell1604
		rising	ell1605
		falling	ell1606
oktakosiostO	eight-hundredth (neuter)	flat	ell1608
		rising	ell1609
		falling	ell1610
enniakosiostO	nine-hundredth (neuter)	flat	ell1612
		rising	ell1613
		falling	ell1614
chiliostO	thousandth (neuter)	flat	ell1616
		rising	ell1617
		falling	ell1618
ekatommiriostO	millionth (neuter)	flat	ell1620
		rising	ell1621
		falling	ell1622
dhisekatommiriostO	billionth (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
shlosha	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
shlosha asar	thirteen	flat	heb68
		rising	heb69
		falling	heb70
arba'a asar	fourteen	flat	heb72
		rising	heb73
		falling	heb74

Hebrew audio (Sheet 3 of 29)

Hebrew phrase or English equivalent	English	Phrase intonation	File name
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)

Hebrew phrase or English equivalent	English	Phrase intonation	File name
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)

Hebrew phrase or English equivalent	English	Phrase intonation	File name
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)

Hebrew phrase or English equivalent	English	Phrase intonation	File name
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
febroo'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)

Hebrew phrase or English equivalent	English	Phrase intonation	File name
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)

Hebrew phrase or English equivalent	English	Phrase intonation	File name
yom shleeshee	Tuesday	flat	heb704
		rising	heb705
		falling	heb706
yom revee'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 (masc.)	flat	heb728
		rising	heb729
		falling	heb730
ha-shaynee	second (masc.)	flat	heb732
		rising	heb733
		falling	heb734
ha-shleeshee	third (masc.)	flat	heb736
		rising	heb737
		falling	heb738
ha-revee'ee	fourth (masc.)	flat	heb740
		rising	heb741
		falling	heb742

Hebrew audio (Sheet 13 of 29)

Hebrew phrase or English equivalent	English	Phrase intonation	File name
ha-khameeshee	fifth	flat	heb744
	(masc.)	rising	heb745
		falling	heb746
ha-sheeshee	sixth	flat	heb748
	(masc.)	rising	heb749
		falling	heb750
ha-shvee'ee	seventh	flat	heb752
	(masc.)	rising	heb753
		falling	heb754
ha-shmeenee	eighth	flat	heb756
	(masc.)	rising	heb757
		falling	heb758
ha-tshee'ee	ninth	flat	heb760
	(masc.)	rising	heb761
		falling	heb762
ha-aseeree	tenth	flat	heb764
	(masc.)	rising	heb765
		falling	heb766
ha-me'ah	one-hundreth	flat	heb836
		rising	heb837
		falling	heb838
soolameet	pound sign	flat	heb896
	(#)	rising	heb897
		falling	heb898
kokhaveet	asterisk	flat	heb900
	(*)	rising	heb901
		falling	heb902

Hebrew audio (Sheet 14 of 29)

Hebrew phrase or English equivalent	English	Phrase intonation	File name
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)

Hebrew phrase or English equivalent	English	Phrase intonation	File name
pfennigs	pfennigs	flat	heb1228
	(Germany)	rising	heb1229
		falling	heb1230
yen	yen	flat	heb1232
	(Japan)	rising	heb1233
		falling	heb1234
yens	yens	flat	heb1236
	(Japan)	rising	heb1237
		falling	heb1238
lira	lira	flat	heb1240
	(Italy)	rising	heb1241
		falling	heb1242
lire	liras	flat	heb1244
	(Italy)	rising	heb1245
		falling	heb1246
guilder	guilder	flat	heb1248
	(Netherlands)	rising	heb1249
		falling	heb1250
guilders	guilders	flat	heb1252
	(Netherlands)	rising	heb1253
		falling	heb1254
cent	cent	flat	heb1256
	(Netherlands)	rising	heb1257
		falling	heb1258
cent	cents	flat	heb1260
	(Netherlands)	rising	heb1261
		falling	heb1262

Hebrew audio (Sheet 16 of 29)

Hebrew phrase or English equivalent	English	Phrase intonation	File name
pound	pound (UK)	flat	heb1264
		rising	heb1265
		falling	heb1266
pounds	pounds (UK)	flat	heb1268
		rising	heb1269
		falling	heb1270
penny	penny (UK)	flat	heb1272
		rising	heb1273
		falling	heb1274
pence	pence (UK)	flat	heb1276
		rising	heb1277
		falling	heb1278
ayro	euro (Euro)	flat	heb1280
		rising	heb1281
		falling	heb1282
ayro	euros (Euro)	flat	heb1284
		rising	heb1285
		falling	heb1286
sent ayro	eurocent (Euro)	flat	heb1288
		rising	heb1289
		falling	heb1290
sent ayro	eurocents (Euro)	flat	heb1292
		rising	heb1293
		falling	heb1294
frank	franc (France)	flat	heb1296
		rising	heb1297
		falling	heb1298

Hebrew audio (Sheet 17 of 29)

Hebrew phrase or English equivalent	English	Phrase intonation	File name
frankeem	francs	flat	heb1300
	(France)	rising	heb1301
		falling	heb1302
senteem	centime	flat	heb1304
	(France)	rising	heb1305
		falling	heb1306
senteemeem	centimes	flat	heb1308
	(France)	rising	heb1309
		falling	heb1310
peseta	peseta	flat	heb1312
	(Spain)	rising	heb1313
		falling	heb1314
pesetas	pesetas	flat	heb1316
	(Spain)	rising	heb1317
		falling	heb1318
peso	peso	flat	heb1328
	(Phillipines)	rising	heb1329
		falling	heb1330
pesos	pesos	flat	heb1332
	(Phillipines)	rising	heb1333
		falling	heb1334
centavo	centavo	flat	heb1336
	(Phillipines)	rising	heb1337
		falling	heb1338
centavos	centavos	flat	heb1340
	(Phillipines)	rising	heb1341
		falling	heb1342

Hebrew audio (Sheet 18 of 29)

Hebrew phrase or English equivalent	English	Phrase intonation	File name
ringgit	ringgit	flat	heb1344
	(Malaysia)	rising	heb1345
		falling	heb1346
ringgits	ringgits	flat	heb1348
	(Malaysia)	rising	heb1349
		falling	heb1350
sen	sen	flat	heb1352
	(Malaysia)	rising	heb1353
		falling	heb1354
sens	sens	flat	heb1356
	(Malaysia)	rising	heb1357
		falling	heb1358
baht	baht	flat	heb1360
	(Thailand)	rising	heb1361
		falling	heb1362
bahts	bahts	flat	heb1364
	(Thailand)	rising	heb1365
		falling	heb1366
satang	satang	flat	heb1368
	(Thailand)	rising	heb1369
		falling	heb1370
satangs	satangs	flat	heb1372
	(Thailand)	rising	heb1373
		falling	heb1374
won	won	flat	heb1376
	(Korea)	rising	heb1377
		falling	heb1378

Hebrew audio (Sheet 19 of 29)

Hebrew phrase or English equivalent	English	Phrase intonation	File name
wons	wons	flat	heb1380
	(Korea)	rising	heb1381
		falling	heb1382
franc	franc	flat	heb1384
	(Belgium)	rising	heb1385
		falling	heb1386
francs	francs	flat	heb1388
	(Belgium)	rising	heb1389
		falling	heb1390
centime	centime	flat	heb1392
	(Belgium)	rising	heb1393
		falling	heb1394
centimes	centimes	flat	heb1396
	(Belgium)	rising	heb1397
		falling	heb1398
dollar	dollar	flat	heb1400
	(Canada)	rising	heb1401
		falling	heb1402
dollars	dollars	flat	heb1404
	(Canada)	rising	heb1405
		falling	heb1406
cent	cent	flat	heb1408
	(Canada)	rising	heb1409
		falling	heb1410
cents	cents	flat	heb1412
	(Canada)	rising	heb1413
		falling	heb1414

Hebrew audio (Sheet 20 of 29)

Hebrew phrase or English equivalent	English	Phrase intonation	File name
dollar	dollar	flat	heb1416
	(Hong Kong)	rising	heb1417
		falling	heb1418
dollars	dollars	flat	heb1420
	(Hong Kong)	rising	heb1421
		falling	heb1422
cent	cent	flat	heb1424
	(Hong Kong)	rising	heb1425
		falling	heb1426
cents	cents	flat	heb1428
	(Hong Kong)	rising	heb1429
		falling	heb1430
gok	gok	flat	heb1488
	(Hong Kong)	rising	heb1489
		falling	heb1490
Goks	goks	flat	heb1492
	(Hong Kong)	rising	heb1493
		falling	heb1494
escudo	escudo	flat	heb1432
	(Portugal)	rising	heb1433
		falling	heb1434
escudos	escudos	flat	heb1436
	(Portugal)	rising	heb1437
		falling	heb1438
centavo	centavo	flat	heb1440
	(Portugal)	rising	heb1441
		falling	heb1442

Hebrew audio (Sheet 21 of 29)

Hebrew phrase or English equivalent	English	Phrase intonation	File name
centavos	centavos	flat	heb1444
	(Portugal)	rising	heb1445
		falling	heb1446
yuan	yuan	flat	heb1448
	(China)	rising	heb1449
		falling	heb1450
yuans	yuans	flat	heb1452
	(China)	rising	heb1453
		falling	heb1454
jiao	jiao	flat	heb1456
	(China)	rising	heb1457
		falling	heb1458
jiaos	jiaos	flat	heb1460
	(China)	rising	heb1461
		falling	heb1462
fen	fen	flat	heb1464
	(China)	rising	heb1465
		falling	heb1466
fens	fens	flat	heb1468
	(China)	rising	heb1469
		falling	heb1470
pound	pound	flat	heb1472
	(Ireland)	rising	heb1473
		falling	heb1474
pounds	pounds	flat	heb1476
	(Ireland)	rising	heb1477
		falling	heb1478

Hebrew audio (Sheet 22 of 29)

Hebrew phrase or English equivalent	English	Phrase intonation	File name
penny	penny	flat	heb1480
	(Ireland)	rising	heb1481
		falling	heb1482
pence	pence	flat	heb1484
	(Ireland)	rising	heb1485
		falling	heb1486
shekel	shekel	flat	heb4000
	(Israel)	rising	heb4001
		falling	heb4002
shekeleem	shekels	flat	heb4004
	(Israel)	rising	heb4005
		falling	heb4006
agoro	agoro	flat	heb4008
	(Israel)	rising	heb4009
		falling	heb4010
agorot	agoros	flat	heb4012
	(Israel)	rising	heb4013
		falling	heb4014
koruna	koruna	flat	heb4016
	(Czech)	rising	heb4017
		falling	heb4018
korunas	korunas	flat	heb4020
	(Czech)	rising	heb4021
		falling	heb4022
haleru	haleru	flat	heb4024
	(Czech)	rising	heb4025
		falling	heb1426

Hebrew audio (Sheet 23 of 29)

Hebrew phrase or English equivalent	English	Phrase intonation	File name
halerus	halerus	flat	heb4028
	(Czech)	rising	heb4029
		falling	heb4030
lira	lira	flat	heb4032
	(Turkey)	rising	heb4033
		falling	heb4034
lire	lire	flat	heb4036
	(Turkey)	rising	heb4037
		falling	heb4038
drachma	drachma	flat	heb4040
	(Greece)	rising	heb4041
		falling	heb4042
drachmas	drachmas	flat	heb4044
	(Greece)	rising	heb4045
		falling	heb4046
dong	dong	flat	heb4048
	(Vietnam)	rising	heb4049
		falling	heb4050
dongs	dongs	flat	heb4052
	(Vietnam)	rising	heb4053
		falling	heb4054
rupee	rupee	flat	heb4056
	(India)	rising	heb4057
		falling	heb4058
rupees	rupees	flat	heb4060
	(India)	rising	heb4061
		falling	heb4062

Hebrew audio (Sheet 24 of 29)

Hebrew phrase or English equivalent	English	Phrase intonation	File name
paisa	paisa	flat	heb4064
	(India)	rising	heb4065
		falling	heb4066
paisas	paisas	flat	heb4068
	(India)	rising	heb4069
		falling	heb4070
akhat	one	flat	heb920
	(fem.)	rising	heb921
		falling	heb922
shta'yeem	two	flat	heb924
	(fem.)	rising	heb925
		falling	heb926
shalosh	three	flat	heb928
	(fem.)	rising	heb929
		falling	heb930
arba	four	flat	heb932
	(fem.)	rising	heb933
		falling	heb934
khamaysh	five	flat	heb936
	(fem.)	rising	heb937
		falling	heb938
shaysh	six	flat	heb940
	(fem.)	rising	heb941
		falling	heb942
sheva	seven	flat	heb944
	(fem.)	rising	heb945
		falling	heb946

Hebrew audio (Sheet 25 of 29)

Hebrew phrase or English equivalent	English	Phrase intonation	File name
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	flat	heb984
	(fem.)	rising	heb985
		falling	heb986
shmone esray	eighteen	flat	heb988
	(fem.)	rising	heb989
		falling	heb990
tsha esray	nineteen	flat	heb992
	(fem.)	rising	heb993
		falling	heb994
ha-reeshona	first	flat	heb996
	(fem.)	rising	heb997
		falling	heb998
ha-sheneeya	second	flat	heb1000
	(fem.)	rising	heb1001
		falling	heb1002
ha-shleesheet	third	flat	heb1004
	(fem.)	rising	heb1005
		falling	heb1006
ha-revee'eet	fourth	flat	heb1008
	(fem.)	rising	heb1009
		falling	heb1010
ha-khameesheet	fifth	flat	heb1012
	(fem.)	rising	heb1013
		falling	heb1014
ha-sheesheet	sixth	flat	heb1016
	(fem.)	rising	heb1017
		falling	heb1018

Hebrew audio (Sheet 27 of 29)

Hebrew phrase or English equivalent	English	Phrase intonation	File name
ha-shvee'eet	seventh	flat	heb1020
	(fem.)	rising	heb1021
		falling	heb1022
ha-shmeeneet	eighth	flat	heb1024
	(fem.)	rising	heb1025
		falling	heb1026
ha-tshee'eet	ninth	flat	heb1028
	(fem.)	rising	heb1029
		falling	heb1030
ha-aseereet	tenth	flat	heb1032
	(fem.)	rising	heb1033
		falling	heb1034
oo	and	flat	heb1036
	(appearing before consonant)	rising	heb1037
		falling	heb1038
va	and	flat	heb1040
	(appearing before consonant)	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)

Hebrew phrase or English equivalent	English	Phrase intonation	File name
shtay	two	flat	heb1056
	(for 2 minutes)	rising	heb1057
		falling	heb1058
shnay	two	flat	heb1060
	(for 2 billion/million)	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	flat	heb1072
	(1 a.m. - 5 a.m.)	rising	heb1073
		falling	heb1074
ba-erev	in the evening	flat	heb1076
	(6 p.m. - 8 p.m.)	rising	heb1077
		falling	heb1078
ba-layla	in the night	flat	heb1080
	(9 p.m. - 11 p.m.)	rising	heb1081
		falling	heb1082
va-reva	and quarter	flat	heb1084
		rising	heb1085
		falling	heb1086

Hebrew audio (Sheet 29 of 29)

Hebrew phrase or English equivalent	English	Phrase intonation	File name
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	flat	ita8
	(neutral - counting)	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)

Italian phrase or English equivalent	English	Phrase intonation	File name
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)

Italian phrase or English equivalent	English	Phrase intonation	File name
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)

Italian phrase or English equivalent	English	Phrase intonation	File name
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)

Italian phrase or English equivalent	English	Phrase intonation	File name
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)

Italian phrase or English equivalent	English	Phrase intonation	File name
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)

Italian phrase or English equivalent	English	Phrase intonation	File name
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 (masculine)	flat	ita1520
		rising	ita1521
		falling	ita1522
ventun	twenty-one (masculine)	flat	ita1524
		rising	ita1525
		falling	ita1526
trentun	thirty-one (masculine)	flat	ita1528
		rising	ita1529
		falling	ita1530
quarantun	forty-one (masculine)	flat	ita1532
		rising	ita1533
		falling	ita1534
cinquantun	fifty-one (masculine)	flat	ita1536
		rising	ita1537
		falling	ita1538

Italian audio (Sheet 8 of 44)

Italian phrase or English equivalent	English	Phrase intonation	File name
sessantun	sixty-one (masculine)	flat	ita1540
		rising	ita1541
		falling	ita1542
settantun	seventy-one (masculine)	flat	ita1544
		rising	ita1545
		falling	ita1546
ottantun	eighty-one (masculine)	flat	ita1548
		rising	ita1549
		falling	ita1550
novantun	ninety-one (masculine)	flat	ita1552
		rising	ita1553
		falling	ita1554
una	one (feminine)	flat	ita1556
		rising	ita1557
		falling	ita1558
ventuna	twenty-one (feminine)	flat	ita1560
		rising	ita1561
		falling	ita1562
trentuna	thirty-one (feminine)	flat	ita1564
		rising	ita1565
		falling	ita1566
quarantuna	forty-one (feminine)	flat	ita1568
		rising	ita1569
		falling	ita1570
cinquantuna	fifty-one (feminine)	flat	ita1572
		rising	ita1573
		falling	ita1574

Italian audio (Sheet 9 of 44)

Italian phrase or English equivalent	English	Phrase intonation	File name
sessantuna	sixty-one	flat	ita1576
	(feminine)	rising	ita1577
		falling	ita1578
settantuna	seventy-one	flat	ita1580
	(feminine)	rising	ita1581
		falling	ita1582
ottantuna	eighty-one	flat	ita1584
	(feminine)	rising	ita1585
		falling	ita1586
novantuna	ninety-one	flat	ita1588
	(feminine)	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
sessentotto	sixty-eight	flat	ita380
		rising	ita381
		falling	ita382
settantotto	seventy-eight	flat	ita416
		rising	ita417
		falling	ita418

Italian audio (Sheet 10 of 44)

Italian phrase or English equivalent	English	Phrase intonation	File name
ottantotto	eighty-eight	flat	ita452
		rising	ita453
		falling	ita454
novantotto	ninety-eight	flat	ita488
		rising	ita489
		falling	ita490
mille	thousand	flat	ita172
	(one, singular)	rising	ita173
		falling	ita174
mila	thousand	flat	ita1500
	(plural)	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)

Italian phrase or English equivalent	English	Phrase intonation	File name
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 (singular)	flat	ita500
		rising	ita501
		falling	ita502
milioni	million (plural)	flat	ita1504
		rising	ita1505
		falling	ita1506
miliardo	billion (singular)	flat	ita504
		rising	ita505
		falling	ita506
miliardi	billion (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)

Italian phrase or English equivalent	English	Phrase intonation	File name
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)

Italian phrase or English equivalent	English	Phrase intonation	File name
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)

Italian phrase or English equivalent	English	Phrase intonation	File name
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 (singular)	flat	ita616
		rising	ita617
		falling	ita618
negativi	negative (plural)	flat	ita1512
		rising	ita1513
		falling	ita1514
e	and	flat	ita620
		rising	ita621
		falling	ita622

Italian audio (Sheet 15 of 44)

Italian phrase or English equivalent	English	Phrase intonation	File name
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)

Italian phrase or English equivalent	English	Phrase intonation	File name
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)

Italian phrase or English equivalent	English	Phrase intonation	File name
domenica	Sunday	flat	ita696
		rising	ita697
		falling	ita698
lunedi	Monday	flat	ita700
		rising	ita701
		falling	ita702
martedi	Tuesday	flat	ita704
		rising	ita705
		falling	ita706
mercoledi	Wednesday	flat	ita708
		rising	ita709
		falling	ita710
giovedi	Thursday	flat	ita712
		rising	ita713
		falling	ita714
venerdi	Friday	flat	ita716
		rising	ita717
		falling	ita718
sabato	Saturday	flat	ita720
		rising	ita721
		falling	ita722
primo	first (masc, sing)	flat	ita728
		rising	ita729
		falling	ita730
secondo	second (masc, sing)	flat	ita732
		rising	ita733
		falling	ita734

Italian audio (Sheet 18 of 44)

Italian phrase or English equivalent	English	Phrase intonation	File name
terzo	third	flat	ita736
	(masc, sing)	rising	ita737
		falling	ita738
quarto	fourth	flat	ita740
	(masc, sing)	rising	ita741
		falling	ita742
quinto	fifth	flat	ita744
	(masc, sing)	rising	ita745
		falling	ita746
sesto	sixth	flat	ita748
	(masc, sing)	rising	ita749
		falling	ita750
settimo	seventh	flat	ita752
	(masc, sing)	rising	ita753
		falling	ita754
ottavo	eighth	flat	ita756
	(masc, sing)	rising	ita757
		falling	ita758
nono	ninth	flat	ita760
	(masc, sing)	rising	ita761
		falling	ita762
decimo	tenth	flat	ita764
	(masc, sing)	rising	ita765
		falling	ita766
undicesimo	eleventh	flat	ita768
	(masc, sing)	rising	ita769
		falling	ita770

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Italian phrase or English equivalent	English	Phrase intonation	File name
dodicesimo	twelth	flat	ita772
	(masc, sing)	rising	ita773
		falling	ita774
tredicesimo	thirteenth	flat	ita776
	(masc, sing)	rising	ita777
		falling	ita778
quattordicesimo	fourteenth	flat	ita780
	(masc, sing)	rising	ita781
		falling	ita782
quindicesimo	fifteenth	flat	ita784
	(masc, sing)	rising	ita785
		falling	ita786
sedicesimo	sixteenth	flat	ita788
	(masc, sing)	rising	ita789
		falling	ita790
diciassettesimo	seventeenth	flat	ita792
	(masc, sing)	rising	ita793
		falling	ita794
diciottesimo	eighteenth	flat	ita796
	(masc, sing)	rising	ita797
		falling	ita798
diciannovesimo	nineteenth	flat	ita800
	(masc, sing)	rising	ita801
		falling	ita802
ventesimo	twentieth	flat	ita804
	(masc, sing)	rising	ita805
		falling	ita806

Italian audio (Sheet 20 of 44)

Italian phrase or English equivalent	English	Phrase intonation	File name
trentesimo	thirtieth	flat	ita808
	(masc, sing)	rising	ita809
		falling	ita810
quarantesimo	fortieth	flat	ita812
	(masc, sing)	rising	ita813
		falling	ita814
cinquantesimo	fiftieth	flat	ita816
	(masc, sing)	rising	ita817
		falling	ita818
sessantesimo	sixtieth	flat	ita820
	(masc, sing)	rising	ita821
		falling	ita822
settantesimo	seventieth	flat	ita824
	(masc, sing)	rising	ita825
		falling	ita826
ottantesimo	eightieth	flat	ita828
	(masc, sing)	rising	ita829
		falling	ita830
novantesimo	ninetieth	flat	ita832
	(masc, sing)	rising	ita833
		falling	ita834
centesimo	hundredth	flat	ita836
	(masc, sing)	rising	ita837
		falling	ita838
millesimo	thousandth	flat	ita872
	(masc, sing)	rising	ita873
		falling	ita874

Italian audio (Sheet 21 of 44)

Italian phrase or English equivalent	English	Phrase intonation	File name
milionesimo	millionth (masc, sing)	flat	ita880
		rising	ita881
		falling	ita882
miliardesimo	billionth (masc, sing)	flat	ita888
		rising	ita889
		falling	ita890
primi	first (masc, plural)	flat	ita1700
		rising	ita1701
		falling	ita1702
secondi	second (masc, plural)	flat	ita1704
		rising	ita1705
		falling	ita1706
terzi	third (masc, plural)	flat	ita1708
		rising	ita1709
		falling	ita1710
quarti	fourth (masc, plural)	flat	ita1712
		rising	ita1713
		falling	ita1714
quinti	fifth (masc, plural)	flat	ita1716
		rising	ita1717
		falling	ita1718
sesti	sixth (masc, plural)	flat	ita1720
		rising	ita1721
		falling	ita1722
settimi	seventh (masc, plural)	flat	ita1724
		rising	ita1725
		falling	ita1726

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Italian phrase or English equivalent	English	Phrase intonation	File name
ottavi	eighth	flat	ita1728
	(masc, plural)	rising	ita1729
		falling	ita1730
noni	ninth	flat	ita1732
	(masc, plural)	rising	ita1733
		falling	ita1734
decimi	tenth	flat	ita1736
	(masc, plural)	rising	ita1737
		falling	ita1738
prima	first	flat	ita1740
	(fem, sing)	rising	ita1741
		falling	ita1742
seconda	second	flat	ita1744
	(fem, sing)	rising	ita1745
		falling	ita1746
terza	third	flat	ita1748
	(fem, sing)	rising	ita1749
		falling	ita1750
quarta	fourth	flat	ita1752
	(fem, sing)	rising	ita1753
		falling	ita1754
quinta	fifth	flat	ita1756
	(fem, sing)	rising	ita1757
		falling	ita1758
sesta	sixth	flat	ita1760
	(fem, sing)	rising	ita1761
		falling	ita1762

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Italian phrase or English equivalent	English	Phrase intonation	File name
settima	seventh (fem, sing)	flat	ita1764
		rising	ita1765
		falling	ita1766
ottava	eighth (fem, sing)	flat	ita1768
		rising	ita1769
		falling	ita1770
nona	ninth (fem, sing)	flat	ita1772
		rising	ita1773
		falling	ita1774
decima	tenth (fem, sing)	flat	ita1776
		rising	ita1777
		falling	ita1778
prime	first (fem, plural)	flat	ita1780
		rising	ita1781
		falling	ita1782
seconde	second (fem, plural)	flat	ita1784
		rising	ita1785
		falling	ita1786
terze	third (fem, plural)	flat	ita1788
		rising	ita1789
		falling	ita1790
quarte	fourth (fem, plural)	flat	ita1792
		rising	ita1793
		falling	ita1794
quinte	fifth (fem, plural)	flat	ita1796
		rising	ita1797
		falling	ita1798

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Italian phrase or English equivalent	English	Phrase intonation	File name
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

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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

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Italian phrase or English equivalent	English	Phrase intonation	File name
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
quattrodicesi	fourteenth	flat	ita1908
	(masc, plural)	rising	ita1909
		falling	ita1910

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Italian phrase or English equivalent	English	Phrase intonation	File name
quindicesimi	fifteenth	flat	ita1912
	(masc, plural)	rising	ita1913
		falling	ita1914
sedicesimi	sixteenth	flat	ita1916
	(masc, plural)	rising	ita1917
		falling	ita1918
diciassettesi	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

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Italian phrase or English equivalent	English	Phrase intonation	File name
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

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Italian phrase or English equivalent	English	Phrase intonation	File name
duesima	second	flat	ita1984
	(fem, sing)	rising	ita1985
		falling	ita1986
treesima	third	flat	ita1988
	(fem, sing)	rising	ita1989
		falling	ita1990
quatresima	fourth	flat	ita1992
	(fem, sing)	rising	ita1993
		falling	ita1994
cinquesima	fifth	flat	ita1996
	(fem, sing)	rising	ita1997
		falling	ita1998
seiesima	sixth	flat	ita2000
	(fem, sing)	rising	ita2001
		falling	ita2002
settesima	seventh	flat	ita2004
	(fem, sing)	rising	ita2005
		falling	ita2006
ottesima	eighth	flat	ita2008
	(fem, sing)	rising	ita2009
		falling	ita2010
novesima	ninth	flat	ita2012
	(fem, sing)	rising	ita2013
		falling	ita2014
undicesima	eleventh	flat	ita2020
	(fem, sing)	rising	ita2021
		falling	ita2022

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Italian phrase or English equivalent	English	Phrase intonation	File name
dodicesima	twelfth (fem, sing)	flat	ita2024
		rising	ita2025
		falling	ita2026
tredicesima	thirteenth (fem, sing)	flat	ita2028
		rising	ita2029
		falling	ita2030
quattrodicesima	fourteenth (fem, sing)	flat	ita2032
		rising	ita2033
		falling	ita2034
quindicesima	fifteenth (fem, sing)	flat	ita2036
		rising	ita2037
		falling	ita2038
sedicesima	sixteenth (fem, sing)	flat	ita2040
		rising	ita2041
		falling	ita2042
diciassettesima	seventeenth (fem, sing)	flat	ita2044
		rising	ita2045
		falling	ita2046
diciottesima	eighteenth (fem, sing)	flat	ita2048
		rising	ita2049
		falling	ita2050
diciannovesima	nineteenth (fem, sing)	flat	ita2052
		rising	ita2053
		falling	ita2054
ventesima	twentieth (fem, sing)	flat	ita2056
		rising	ita2057
		falling	ita2058

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Italian phrase or English equivalent	English	Phrase intonation	File name
trentesima	thirtieth	flat	ita2060
	(fem, sing)	rising	ita2061
		falling	ita2062
quarantesima	fortieth	flat	ita2064
	(fem, sing)	rising	ita2065
		falling	ita2066
cinquantesima	fiftieth	flat	ita2068
	(fem, sing)	rising	ita2069
		falling	ita2070
sessantesima	sixtieth	flat	ita2072
	(fem, sing)	rising	ita2073
		falling	ita2074
settantesima	seventieth	flat	ita2076
	(fem, sing)	rising	ita2077
		falling	ita2078
ottantesima	eightieth	flat	ita2080
	(fem, sing)	rising	ita2081
		falling	ita2082
novantessima	nintieth	flat	ita2084
	(fem, sing)	rising	ita2085
		falling	ita2086
centesima	hundredth	flat	ita2088
	(fem, sing)	rising	ita2089
		falling	ita2090
millesima	thousandth	flat	ita2092
	(fem, sing)	rising	ita2093
		falling	ita2094

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Italian phrase or English equivalent	English	Phrase intonation	File name
millionesima	millionth	flat	ita2096
	(fem, sing)	rising	ita2097
		falling	ita2098
billionesima	billionth	flat	ita2100
	(fem, sing)	rising	ita2101
		falling	ita2102
unesime	first	flat	ita2104
	(plural, fem)	rising	ita2105
		falling	ita2106
duesime	secondth	flat	ita2108
	(plural, fem)	rising	ita2109
		falling	ita2110
treesime	third	flat	ita2112
	(plural, fem)	rising	ita2113
		falling	ita2114
quatresime	fourth	flat	ita2116
	(plural, fem)	rising	ita2117
		falling	ita2118
cinquesime	fifth	flat	ita2120
	(plural, fem)	rising	ita2121
		falling	ita2122
seiesime	sixth	flat	ita2124
	(plural, fem)	rising	ita2125
		falling	ita2126
settesime	seventh	flat	ita2128
	(plural, fem)	rising	ita2129
		falling	ita2130

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Italian phrase or English equivalent	English	Phrase intonation	File name
ottesime	eighth	flat	ita2132
	(plural, fem)	rising	ita2133
		falling	ita2134
novesime	ninth	flat	ita2136
	(plural, fem)	rising	ita2137
		falling	ita2138
undicesime	eleventh	flat	ita2144
	(plural, fem)	rising	ita2145
		falling	ita2146
dodicesime	twelfth	flat	ita2148
	(plural, fem)	rising	ita2149
		falling	ita2150
tredicesime	thirteenth	flat	ita2152
	(plural, fem)	rising	ita2153
		falling	ita2154
quattrodicesime	fourteenth	flat	ita2156
	(plural, fem)	rising	ita2157
		falling	ita2158
quindicesime	fifteenth	flat	ita2160
	(plural, fem)	rising	ita2161
		falling	ita2162
sedicesime	sixteenth	flat	ita2164
	(plural, fem)	rising	ita2165
		falling	ita2166
diciassettesime	seventeenth	flat	ita2168
	(plural, fem)	rising	ita2169
		falling	ita2170

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Italian phrase or English equivalent	English	Phrase intonation	File name
diciottesime	eighteenth (plural, fem)	flat	ita2172
		rising	ita2173
		falling	ita2174
diciannovesime	nineteenth (plural, fem)	flat	ita2176
		rising	ita2177
		falling	ita2178
ventesime	twentieth (plural, fem)	flat	ita2180
		rising	ita2181
		falling	ita2182
trentesime	thirtieth (plural, fem)	flat	ita2184
		rising	ita2185
		falling	ita2186
quarantesime	fortieth (plural, fem)	flat	ita2188
		rising	ita2189
		falling	ita2190
cinquantesime	fiftieth (plural, fem)	flat	ita2192
		rising	ita2193
		falling	ita2194
sessantesime	sixtieth (plural, fem)	flat	ita2196
		rising	ita2197
		falling	ita2198
settantesime	seventieth (plural, fem)	flat	ita2200
		rising	ita2201
		falling	ita2202
ottantesime	eightieth (plural, fem)	flat	ita2204
		rising	ita2205
		falling	ita2206

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Italian phrase or English equivalent	English	Phrase intonation	File name
novantesime	ninetieth (plural, fem)	flat	ita2208
		rising	ita2209
		falling	ita2210
centesime	hundredth (plural, fem)	flat	ita2212
		rising	ita2213
		falling	ita2214
millesime	thousandth (plural, fem)	flat	ita2216
		rising	ita2217
		falling	ita2218
millionesime	millionth (plural, fem)	flat	ita2220
		rising	ita2221
		falling	ita2222
billionesime	billionth (plural, fem)	flat	ita2224
		rising	ita2225
		falling	ita2226
quadrato	pound sign (#)	flat	ita896
		rising	ita897
		falling	ita898
stella	asterisk (*)	flat	ita900
		rising	ita901
		falling	ita902
dollar	dollar (US)	flat	ita1200
		rising	ita1201
		falling	ita1202
dollars	dollars (US)	flat	ita1204
		rising	ita1205
		falling	ita1206

Italian audio (Sheet 36 of 44)

Italian phrase or English equivalent	English	Phrase intonation	File name
cent	cent	flat	ita1208
	(US)	rising	ita1209
		falling	ita1210
cents	cents	flat	ita1212
	(US)	rising	ita1213
		falling	ita1214
mark	mark	flat	ita1216
	(Germany)	rising	ita1217
		falling	ita1218
marks	marks	flat	ita1220
	(Germany)	rising	ita1221
		falling	ita1222
pfennig	pfennig	flat	ita1224
	(Germany)	rising	ita1225
		falling	ita1226
pfennigs	pfennigs	flat	ita1228
	(Germany)	rising	ita1229
		falling	ita1230
yen	yen	flat	ita1232
	(Japan)	rising	ita1233
		falling	ita1234
yens	yens	flat	ita1236
	(Japan)	rising	ita1237
		falling	ita1238
lira	lira	flat	ita1240
	(Italy)	rising	ita1241
		falling	ita1242

Italian audio (Sheet 37 of 44)

Italian phrase or English equivalent	English	Phrase intonation	File name
liras	liras	flat	ita1244
	(Italy)	rising	ita1245
		falling	ita1246
guilder	guilder	flat	ita1248
	(Netherlands)	rising	ita1249
		falling	ita1250
guilders	guilders	flat	ita1252
	(Netherlands)	rising	ita1253
		falling	ita1254
cent	cent	flat	ita1256
	(Netherlands)	rising	ita1257
		falling	ita1258
cents	cents	flat	ita1260
	(Netherlands)	rising	ita1261
		falling	ita1262
pound	pound	flat	ita1264
	(UK)	rising	ita1265
		falling	ita1266
pounds	pounds	flat	ita1268
	(UK)	rising	ita1269
		falling	ita1270
penny	penny	flat	ita1272
	(UK)	rising	ita1273
		falling	ita1274
pence	pence	flat	ita1276
	(UK)	rising	ita1277
		falling	ita1278

Italian audio (Sheet 38 of 44)

Italian phrase or English equivalent	English	Phrase intonation	File name
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)

Italian phrase or English equivalent	English	Phrase intonation	File name
pesetas	pesetas	flat	ita1316
	(Spain)	rising	ita1317
		falling	ita1318
peso	peso	flat	ita1328
	(Philippines)	rising	ita1329
		falling	ita1330
pesos	pesos	flat	ita1332
	(Philippines)	rising	ita1333
		falling	ita1334
centavo	centavo	flat	ita1336
	(Philippines)	rising	ita1337
		falling	ita1338
centavos	centavos	flat	ita1340
	(Philippines)	rising	ita1341
		falling	ita1342
ringgit	ringgit	flat	ita1344
	(Malaysia)	rising	ita1345
		falling	ita1346
ringgits	ringgits	flat	ita1348
	(Malaysia)	rising	ita1349
		falling	ita1350
sen	sen	flat	ita1352
	(Malaysia)	rising	ita1353
		falling	ita1354
sens	sens	flat	ita1356
	(Malaysia)	rising	ita1357
		falling	ita1358

Italian audio (Sheet 40 of 44)

Italian phrase or English equivalent	English	Phrase intonation	File name
baht	baht	flat	ita1360
	(Thailand)	rising	ita1361
		falling	ita1362
bahts	bahts	flat	ita1364
	(Thailand)	rising	ita1365
		falling	ita1366
satang	satang	flat	ita1368
	(Thailand)	rising	ita1369
		falling	ita1370
satangs	satangs	flat	ita1372
	(Thailand)	rising	ita1373
		falling	ita1374
won	won	flat	ita1376
	(Korea)	rising	ita1377
		falling	ita1378
wons	wons	flat	ita1380
	(Korea)	rising	ita1381
		falling	ita1382
franc	franc	flat	ita1384
	(Belgium)	rising	ita1385
		falling	ita1386
francs	francs	flat	ita 1388
	(Belgium)	rising	ita1389
		falling	ita1390
centime	centime	flat	ita1392
	(Belgium)	rising	ita1393
		falling	ita1394

Italian audio (Sheet 41 of 44)

Italian phrase or English equivalent	English	Phrase intonation	File name
centimes	centimes	flat	ita1396
	(Belgium)	rising	ita1397
		falling	ita1398
dollar	dollar	flat	ita1400
	(Canada)	rising	ita1401
		falling	ita1402
dollars	dollars	flat	ita1404
	(Canada)	rising	ita1405
		falling	ita1406
cent	cent	flat	ita1408
	(Canada)	rising	ita1409
		falling	ita1410
cents	cents	flat	ita1412
	(Canada)	rising	ita1413
		falling	ita1414
dollar	dollar	flat	ita1416
	(Hong Kong)	rising	ita1417
		falling	ita1418
dollars	dollars	flat	ita1420
	(Hong Kong)	rising	ita1421
		falling	ita1422
cent	cent	flat	ita1424
	(Hong Kong)	rising	ita1425
		falling	ita1426
cents	cents	flat	ita1428
	(Hong Kong)	rising	ita1429
		falling	ita1430

Italian audio (Sheet 42 of 44)

Italian phrase or English equivalent	English	Phrase intonation	File name
gok	gok	flat	ita1488
	(Hong Kong)	rising	ita1489
		falling	ita1490
goks	goks	flat	ita1492
	(Hong Kong)	rising	ita1493
		falling	ita1494
escudo	escudo	flat	ita1432
	(Portugal)	rising	ita1433
		falling	ita1434
escudos	escudos	flat	ita1436
	(Portugal)	rising	ita1437
		falling	ita1438
centavo	centavo	flat	ita1440
	(Portugal)	rising	ita1441
		falling	ita1442
centavos	centavos	flat	ita1444
	(Portugal)	rising	ita1445
		falling	ita1446
yuan	yuan	flat	ita1448
	(China)	rising	ita1449
		falling	ita1450
yuans	yuans	flat	ita1452
	(China)	rising	ita1453
		falling	ita1454
jiao	jiao	flat	ita1456
	(China)	rising	ita1457
		falling	ita1458

Italian audio (Sheet 43 of 44)

Italian phrase or English equivalent	English	Phrase intonation	File name
jiaos	jiaos	flat	ita1460
	(China)	rising	ita1461
		falling	ita1462
fen	fen	flat	ita1464
	(China)	rising	ita1465
		falling	ita1466
fens	fens	flat	ita1468
	(China)	rising	ita1469
		falling	ita1470
pound	pound	flat	ita1472
	(Ireland)	rising	ita1473
		falling	ita1474
pounds	pounds	flat	ita1476
	(Ireland)	rising	ita1477
		falling	ita1478
penny	penny	flat	ita1480
	(Ireland)	rising	ita1481
		falling	ita1482
pence	pence	flat	ita1484
	(Ireland)	rising	ita1485
		falling	ita1486
un'hora	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)

Italian phrase or English equivalent	English	Phrase intonation	File name
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)

Japanese phrase or English equivalent	English	Phrase intonation	File name
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)

Japanese phrase or English equivalent	English	Phrase intonation	File name
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)

Japanese phrase or English equivalent	English	Phrase intonation	File name
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)

Japanese phrase or English equivalent	English	Phrase intonation	File name
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)

Japanese phrase or English equivalent	English	Phrase intonation	File name
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)

Japanese phrase or English equivalent	English	Phrase intonation	File name
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	flat	jpn924
	(one minute)	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)

Japanese phrase or English equivalent	English	Phrase intonation	File name
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)

Japanese phrase or English equivalent	English	Phrase intonation	File name
banme	th (rank)	flat	jpn1036
		rising	jpn1037
		falling	jpn1038
jikan	hour(s) (used for duration)	flat	jpn1040
		rising	jpn1041
		falling	jpn1042
Dollar	dollar (US)	flat	jpn1200
		rising	jpn1201
		falling	jpn1202
Cent	cent (US)	flat	jpn1208
		rising	jpn1209
		falling	jpn1210
mark	mark (Germany)	flat	jpn1216
		rising	jpn1217
		falling	jpn1218
pfennig	pfennig (Germany)	flat	jpn1224
		rising	jpn1225
		falling	jpn1226
yen	yen (Japan)	flat	jpn1232
		rising	jpn1233
		falling	jpn1234
lira	lira (Italy)	flat	jpn1240
		rising	jpn1241
		falling	jpn1242
guilder	guilder (Netherlands)	flat	jpn1248
		rising	jpn1249
		falling	jpn1250

Japanese audio (Sheet 13 of 16)

Japanese phrase or English equivalent	English	Phrase intonation	File name
cent	cent	flat	jpn1256
	(Netherlands)	rising	jpn1257
		falling	jpn1258
pound	pound	flat	jpn1264
	(UK)	rising	jpn1265
		falling	jpn1266
pence	pence	flat	jpn1276
	(UK)	rising	jpn1277
		falling	jpn1278
euro	euro	flat	jpn1280
	(Euro)	rising	jpn1281
		falling	jpn1282
eurocent	eurocent	flat	jpn1288
	(Euro)	rising	jpn1289
		falling	jpn1290
franc	franc	flat	jpn1296
	(France)	rising	jpn1297
		falling	jpn1298
centime	centime	flat	jpn1304
	(France)	rising	jpn1305
		falling	jpn1306
peseta	peseta	flat	jpn1312
	(Spain)	rising	jpn1313
		falling	jpn1314
peso	peso	flat	jpn1328
	(Philippines)	rising	jpn1329
		falling	jpn1330

Japanese audio (Sheet 14 of 16)

Japanese phrase or English equivalent	English	Phrase intonation	File name
centavo	centavo	flat	jpn1336
	(Philippines)	rising	jpn1337
		falling	jpn1338
ringgit	ringgit	flat	jpn1344
	(Malaysia)	rising	jpn1345
		falling	jpn1346
sen	sen	flat	jpn1352
	(Malaysia)	rising	jpn1353
		falling	jpn1354
baht	baht	flat	jpn1360
	(Thailand)	rising	jpn1361
		falling	jpn1362
satang	satang	flat	jpn1368
	(Thailand)	rising	jpn1369
		falling	jpn1370
won	won	flat	jpn1376
	(Korea)	rising	jpn1377
		falling	jpn1378
franc	franc	flat	jpn1384
	(Belgium)	rising	jpn1385
		falling	jpn1386
centime	centime	flat	jpn1392
	(Belgium)	rising	jpn1393
		falling	jpn1394
dollar	dollar	flat	jpn1400
	(Canada)	rising	jpn1401
		falling	jpn1402

Japanese audio (Sheet 15 of 16)

Japanese phrase or English equivalent	English	Phrase intonation	File name
cent	cent	flat	jpn1408
	(Canada)	rising	jpn1409
		falling	jpn1410
dollar	dollar	flat	jpn1416
	(Hong Kong)	rising	jpn1417
		falling	jpn1418
cent	cent	flat	jpn1424
	(Hong Kong)	rising	jpn1425
		falling	jpn1426
Gok	gok	flat	jpn1488
	(Hong Kong)	rising	jpn1489
		falling	jpn1490
escudo	escudo	flat	jpn1432
	(Portugal)	rising	jpn1433
		falling	jpn1434
centavo	centavo	flat	jpn1440
	(Portugal)	rising	jpn1441
		falling	jpn1442
yuan	yuan	flat	jpn1448
	(China)	rising	jpn1449
		falling	jpn1450
jiao	jiao	flat	jpn1456
	(China)	rising	jpn1457
		falling	jpn1458
fen	fen	flat	jpn1464
	(China)	rising	jpn1465
		falling	jpn1466

Japanese audio (Sheet 16 of 16)

Japanese phrase or English equivalent	English	Phrase intonation	File name
pound	pound	flat	jpn1472
	(Ireland)	rising	jpn1473
		falling	jpn1474
pence	pence	flat	jpn1484
	(Ireland)	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)

Korean phrase or English equivalent	English	Phrase intonation	File name
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)

Korean phrase or English equivalent	English	Phrase intonation	File name
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)

Korean phrase or English equivalent	English	Phrase intonation	File name
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)

Korean phrase or English equivalent	English	Phrase intonation	File name
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)

Korean phrase or English equivalent	English	Phrase intonation	File name
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)

Korean phrase or English equivalent	English	Phrase intonation	File name
pound	pound sign	flat	kor896
	(#)	rising	kor897
		falling	kor898
byul	asterisk	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)

Korean phrase or English equivalent	English	Phrase intonation	File name
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)

Korean phrase or English equivalent	English	Phrase intonation	File name
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)

Korean phrase or English equivalent	English	Phrase intonation	File name
b'on-che	rank (ordinal)	flat	kor1012
		rising	kor1013
		falling	kor1014
sigan	hours (used with duration)	flat	kor1016
		rising	kor1017
		falling	kor1018
Dollar	dollar (US)	flat	kor1200
		rising	kor1201
		falling	kor1202
Cent	cent (US)	flat	kor1208
		rising	kor1209
		falling	kor1210
mark	mark (Germany)	flat	kor1216
		rising	kor1217
		falling	kor1218
pfennig	pfennig (Germany)	flat	kor1224
		rising	kor1225
		falling	kor1226
yen	yen (Japan)	flat	kor1232
		rising	kor1233
		falling	kor1234
lira	lira (Italy)	flat	kor1240
		rising	kor1241
		falling	kor1242
guilder	guilder (Netherlands)	flat	kor1248
		rising	kor1249
		falling	kor1250

Korean audio (Sheet 11 of 14)

Korean phrase or English equivalent	English	Phrase intonation	File name
cent	cent	flat	kor1256
	(Netherlands)	rising	kor1257
		falling	kor1258
pound	pound	flat	kor1264
	(UK)	rising	kor1265
		falling	kor1266
pence	pence	flat	kor1276
	(UK)	rising	kor1277
		falling	kor1278
euro	euro	flat	kor1280
	(Euro)	rising	kor1281
		falling	kor1282
eurocent	eurocent	flat	kor1288
	(Euro)	rising	kor1289
		falling	kor1290
franc	franc	flat	kor1296
	(France)	rising	kor1297
		falling	kor1298
centime	centime	flat	kor1304
	(France)	rising	kor1305
		falling	kor1306
peseta	peseta	flat	kor1312
	(Spain)	rising	kor1313
		falling	kor1314
peso	peso	flat	kor1328
	(Philippines)	rising	kor1329
		falling	kor1330

Korean audio (Sheet 12 of 14)

Korean phrase or English equivalent	English	Phrase intonation	File name
centavo	centavo	flat	kor1336
	(Philippines)	rising	kor1337
		falling	kor1338
ringgit	ringgit	flat	kor1344
	(Malaysia)	rising	kor1345
		falling	kor1346
sen	sen	flat	kor1352
	(Malaysia)	rising	kor1353
		falling	kor1354
baht	baht	flat	kor1360
	(Thailand)	rising	kor1361
		falling	kor1362
satang	satang	flat	kor1368
	(Thailand)	rising	kor1369
		falling	kor1370
won	won	flat	kor1376
	(Korea)	rising	kor1377
		falling	kor1378
franc	franc	flat	kor1384
	(Belgium)	rising	kor1385
		falling	kor1386
centime	centime	flat	kor1392
	(Belgium)	rising	kor1393
		falling	kor1394
dollar	dollar	flat	kor1400
	(Canada)	rising	kor1401
		falling	kor1402

Korean audio (Sheet 13 of 14)

Korean phrase or English equivalent	English	Phrase intonation	File name
cent	cent	flat	kor1408
	(Canada)	rising	kor1409
		falling	kor1410
dollar	dollar	flat	kor1416
	(Hong Kong)	rising	kor1417
		falling	kor1418
cent	cent	flat	kor1424
	(Hong Kong)	rising	kor1425
		falling	kor1426
Gok	gok	flat	kor1488
	(Hong Kong)	rising	kor1489
		falling	kor1490
escudo	escudo	flat	kor1432
	(Portugal)	rising	kor1433
		falling	kor1434
centavo	centavo	flat	kor1440
	(Portugal)	rising	kor1441
		falling	kor1442
yuan	yuan	flat	kor1448
	(China)	rising	kor1449
		falling	kor1450
jiao	jiao	flat	kor1456
	(China)	rising	kor1457
		falling	kor1458
fen	fen	flat	kor1464
	(China)	rising	kor1465
		falling	kor1466

Korean audio (Sheet 14 of 14)

Korean phrase or English equivalent	English	Phrase intonation	File name
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)

Malay phrase or English equivalent	English	Phrase intonation	File name
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
biliun	billion	flat	msa504
		rising	msa505
		falling	msa506

Malay audio (Sheet 3 of 14)

Malay phrase or English equivalent	English	Phrase intonation	File name
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)

Malay phrase or English equivalent	English	Phrase intonation	File name
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)

Malay phrase or English equivalent	English	Phrase intonation	File name
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)

Malay phrase or English equivalent	English	Phrase intonation	File name
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)

Malay phrase or English equivalent	English	Phrase intonation	File name
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 (#)	flat	msa896
		rising	msa897
		falling	msa898
bintang	asterisk (*)	flat	msa900
		rising	msa901
		falling	msa902
pagi	a.m.	flat	msa908
		rising	msa909
		falling	msa910

Malay audio (Sheet 9 of 14)

Malay phrase or English equivalent	English	Phrase intonation	File name
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 - 9o)	flat	msa948
		rising	msa949
		falling	msa950

Malay audio (Sheet 10 of 14)

Malay phrase or English equivalent	English	Phrase intonation	File name
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	flat	msa1200
	(US)	rising	msa1201
		falling	msa1202
Cent	cent	flat	msa1208
	(US)	rising	msa1209
		falling	msa1210

Malay audio (Sheet 11 of 14)

Malay phrase or English equivalent	English	Phrase intonation	File name
mark	mark	flat	msa1216
	(Germany)	rising	msa1217
		falling	msa1218
pfennig	pfennig	flat	msa1224
	(Germany)	rising	msa1225
		falling	msa1226
yen	yen	flat	msa1232
	(Japan)	rising	msa1233
		falling	msa1234
lira	lira	flat	msa1240
	(Italy)	rising	msa1241
		falling	msa1242
guilder	guilder	flat	msa1248
	(Netherlands)	rising	msa1249
		falling	msa1250
cent	cent	flat	msa1256
	(Netherlands)	rising	msa1257
		falling	msa1258
pound	pound	flat	msa1264
	(UK)	rising	msa1265
		falling	msa1266
pence	pence	flat	msa1276
	(UK)	rising	msa1277
		falling	msa1278
euro	euro	flat	msa1280
	(Euro)	rising	msa1281
		falling	msa1282

Malay audio (Sheet 12 of 14)

Malay phrase or English equivalent	English	Phrase intonation	File name
eurocent	eurocent	flat	msa1288
	(Euro)	rising	msa1289
		falling	msa1290
franc	franc	flat	msa1296
	(France)	rising	msa1297
		falling	msa1298
centime	centime	flat	msa1304
	(France)	rising	msa1305
		falling	msa1306
peseta	peseta	flat	msa1312
	(Spain)	rising	msa1313
		falling	msa1314
peso	peso	flat	msa1328
	(Philippines)	rising	msa1329
		falling	msa1330
centavo	centavo	flat	msa1336
	(Philippines)	rising	msa1337
		falling	msa1338
ringgit	ringgit	flat	msa1344
	(Malaysia)	rising	msa1345
		falling	msa1346
sen	sen	flat	msa1352
	(Malaysia)	rising	msa1353
		falling	msa1354
baht	baht	flat	msa1360
	(Thailand)	rising	msa1361
		falling	msa1362

Malay audio (Sheet 13 of 14)

Malay phrase or English equivalent	English	Phrase intonation	File name
satang	satang	flat	msa1368
	(Thailand)	rising	msa1369
		falling	msa1370
won	won	flat	msa1376
	(msaea)	rising	msa1377
		falling	msa1378
franc	franc	flat	msa1384
	(Belgium)	rising	msa1385
		falling	msa1386
centime	centime	flat	msa1392
	(Belgium)	rising	msa1393
		falling	msa1394
dollar	dollar	flat	msa1400
	(Canada)	rising	msa1401
		falling	msa1402
cent	cent	flat	msa1408
	(Canada)	rising	msa1409
		falling	msa1410
dollar	dollar	flat	msa1416
	(Hong Kong)	rising	msa1417
		falling	msa1418
cent	cent	flat	msa1424
	(Hong Kong)	rising	msa1425
		falling	msa1426
escudo	escudo	flat	msa1432
	(Portugal)	rising	msa1433
		falling	msa1434

Malay audio (Sheet 14 of 14)

Malay phrase or English equivalent	English	Phrase intonation	File name
centavo	centavo	flat	msa1440
	(Portugal)	rising	msa1441
		falling	msa1442
yuan	yuan	flat	msa1448
	(China)	rising	msa1449
		falling	msa1450
jiao	jiao	flat	msa1456
	(China)	rising	msa1457
		falling	msa1458
fen	fen	flat	msa1464
	(China)	rising	msa1465
		falling	msa1466
pound	pound	flat	msa1472
	(Ireland)	rising	msa1473
		falling	msa1474
pence	pence	flat	msa1484
	(Ireland)	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)

Mandarin phrase or English equivalent	English	Phrase intonation	File name
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)

Mandarin phrase or English equivalent	English	Phrase intonation	File name
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)

Mandarin phrase or English equivalent	English	Phrase intonation	File name
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)

Mandarin phrase or English equivalent	English	Phrase intonation	File name
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)

Mandarin phrase or English equivalent	English	Phrase intonation	File name
fen	minute	flat	zho632
		rising	zho633
		falling	zho634
miao	second	flat	zho640
		rising	zho641
		falling	zho642
jing zi jian	pound sign (#)	flat	zho896
		rising	zho897
		falling	zho898
xing hao jian	asterisk (*)	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 (US)	flat	zho1200
		rising	zho1201
		falling	zho1202
Cent	cent (US)	flat	zho1208
		rising	zho1209
		falling	zho1210
Mark	mark (Germany)	flat	zho1216
		rising	zho1217
		falling	zho1218

Mandarin audio (Sheet 7 of 12)

Mandarin phrase or English equivalent	English	Phrase intonation	File name
Pfennig	pfennig (Germany)	flat	zho1224
		rising	zho1225
		falling	zho1226
Yen	yen (Japan)	flat	zho1232
		rising	zho1233
		falling	zho1234
Lira	lira (Italy)	flat	zho1240
		rising	zho1241
		falling	zho1242
Guilder	guilder (Netherlands)	flat	zho1248
		rising	zho1249
		falling	zho1250
Cent	cent (Netherlands)	flat	zho1256
		rising	zho1257
		falling	zho1258
Pound	pound (UK)	flat	zho1264
		rising	zho1265
		falling	zho1266
pence	pence (UK)	flat	zho1276
		rising	zho1277
		falling	zho1278
euro	euro (Euro)	flat	zho1280
		rising	zho1281
		falling	zho1282
eurocent	eurocent (Euro)	flat	zho1288
		rising	zho1289
		falling	zho1290

Mandarin audio (Sheet 8 of 12)

Mandarin phrase or English equivalent	English	Phrase intonation	File name
franc	franc	flat	zho1296
	(France)	rising	zho1297
		falling	zho1298
centime	centime	flat	zho1304
	(France)	rising	zho1305
		falling	zho1306
peseta	peseta	flat	zho1312
	(Spain)	rising	zho1313
		falling	zho1314
peso	peso	flat	zho1328
	(Philippines)	rising	zho1329
		falling	zho1330
centavo	centavo	flat	zho1336
	(Philippines)	rising	zho1337
		falling	zho1338
ringgit	ringgit	flat	zho1344
	(Malaysia)	rising	zho1345
		falling	zho1346
sen	sen	flat	zho1352
	(Malaysia)	rising	zho1353
		falling	zho1354
baht	baht	flat	zho1360
	(Thailand)	rising	zho1361
		falling	zho1362
satang	satang	flat	zho1368
	(Thailand)	rising	zho1369
		falling	zho1370

Mandarin audio (Sheet 9 of 12)

Mandarin phrase or English equivalent	English	Phrase intonation	File name
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)

Mandarin phrase or English equivalent	English	Phrase intonation	File name
centavo	centavo	flat	zho1440
	(Portugal)	rising	zho1441
		falling	zho1442
yuan	yuan	flat	zho1448
	(China)	rising	zho1449
		falling	zho1450
jiao	jiao	flat	zho1456
	(China)	rising	zho1457
		falling	zho1458
fen	fen	flat	zho1464
	(China)	rising	zho1465
		falling	zho1466
pound	pound	flat	zho1472
	(Ireland)	rising	zho1473
		falling	zho1474
pence	pence	flat	zho1484
	(Ireland)	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)

Mandarin phrase or English equivalent	English	Phrase intonation	File name
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)

Mandarin phrase or English equivalent	English	Phrase intonation	File name
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	flat	nld8
	(neutral - counting)	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)

Netherlands Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Netherlands Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Netherlands Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Netherlands Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Netherlands Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Netherlands Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Netherlands Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Netherlands Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Netherlands Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Netherlands Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Netherlands Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Netherlands Dutch phrase or English equivalent	English	Phrase intonation	File name
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 (masc)	flat	nld728
		rising	nld729
		falling	nld730
tweede	second	flat	nld732
		rising	nld733
		falling	nld734

Netherlands Dutch audio (Sheet 14 of 27)

Netherlands Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Netherlands Dutch phrase or English equivalent	English	Phrase intonation	File name
twaalfde	twelfth	flat	nld772
		rising	nld773
		falling	nld774
dertiende	thirteenth	flat	nld776
		rising	nld777
		falling	nld778
veertiende	fourteenth	flat	nld780
		rising	nld781
		falling	nld782
vijftiende	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)

Netherlands Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Netherlands Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Netherlands Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Netherlands Dutch phrase or English equivalent	English	Phrase intonation	File name
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	flat	nld1200
	(US)	rising	nld1201
		falling	nld1202
Dollars	dollars	flat	nld1204
	(US)	rising	nld1205
		falling	nld1206
Cent	cent	flat	nld1208
	(US)	rising	nld1209
		falling	nld1210
Cents	cents	flat	nld1212
	(US)	rising	nld1213
		falling	nld1214

Netherlands Dutch audio (Sheet 20 of 27)

Netherlands Dutch phrase or English equivalent	English	Phrase intonation	File name
mark	mark	flat	nld1216
	(Germany)	rising	nld1217
		falling	nld1218
marks	marks	flat	nld1220
	(Germany)	rising	nld1221
		falling	nld1222
pfennig	pfennig	flat	nld1224
	(Germany)	rising	nld1225
		falling	nld1226
pfennigs	pfennigs	flat	nld1228
	(Germany)	rising	nld1229
		falling	nld1230
yen	yen	flat	nld1232
	(Japan)	rising	nld1233
		falling	nld1234
yens	yens	flat	nld1236
	(Japan)	rising	nld1237
		falling	nld1238
lira	lira	flat	nld1240
	(Italy)	rising	nld1241
		falling	nld1242
lire	liras	flat	nld1244
	(Italy)	rising	nld1245
		falling	nld1246
guilder	guilder	flat	nld1248
	(Netherlands)	rising	nld1249
		falling	nld1250

Netherlands Dutch audio (Sheet 21 of 27)

Netherlands Dutch phrase or English equivalent	English	Phrase intonation	File name
guilders	guilders	flat	nld1252
	(Netherlands)	rising	nld1253
		falling	nld1254
cent	cent	flat	nld1256
	(Netherlands)	rising	nld1257
		falling	nld1258
cent	cents	flat	nld1260
	(Netherlands)	rising	nld1261
		falling	nld1262
pound	pound	flat	nld1264
	(UK)	rising	nld1265
		falling	nld1266
pounds	pounds	flat	nld1268
	(UK)	rising	nld1269
		falling	nld1270
penny	penny	flat	nld1272
	(UK)	rising	nld1273
		falling	nld1274
pence	pence	flat	nld1276
	(UK)	rising	nld1277
		falling	nld1278
euro	euro	flat	nld1280
	(Euro)	rising	nld1281
		falling	nld1282
euros	euros	flat	nld1284
	(Euro)	rising	nld1285
		falling	nld1286

Netherlands Dutch audio (Sheet 22 of 27)

Netherlands Dutch phrase or English equivalent	English	Phrase intonation	File name
eurocent	eurocent	flat	nld1288
	(Euro)	rising	nld1289
		falling	nld1290
eurocents	eurocents	flat	nld1292
	(Euro)	rising	nld1293
		falling	nld1294
franc	franc	flat	nld1296
	(France)	rising	nld1297
		falling	nld1298
francs	francs	flat	nld1300
	(France)	rising	nld1301
		falling	nld1302
centime	centime	flat	nld1304
	(France)	rising	nld1305
		falling	nld1306
centimes	centimes	flat	nld1308
	(France)	rising	nld1309
		falling	nld1310
peseta	peseta	flat	nld1312
	(Spain)	rising	nld1313
		falling	nld1314
pesetas	pesetas	flat	nld1316
	(Spain)	rising	nld1317
		falling	nld1318
peso	peso	flat	nld1328
	(Philippines)	rising	nld1329
		falling	nld1330

Netherlands Dutch audio (Sheet 23 of 27)

Netherlands Dutch phrase or English equivalent	English	Phrase intonation	File name
pesos	pesos	flat	nld1332
	(Philippines)	rising	nld1333
		falling	nld1334
centavo	centavo	flat	nld1336
	(Philippines)	rising	nld1337
		falling	nld1338
centavos	centavos	flat	nld1340
	(Philippines)	rising	nld1341
		falling	nld1342
ringgit	ringgit	flat	nld1344
	(Malaysia)	rising	nld1345
		falling	nld1346
ringgits	ringgits	flat	nld1348
	(Malaysia)	rising	nld1349
		falling	nld1350
sen	sen	flat	nld1352
	(Malaysia)	rising	nld1353
		falling	nld1354
sens	sens	flat	nld1356
	(Malaysia)	rising	nld1357
		falling	nld1358
baht	baht	flat	nld1360
	(Thailand)	rising	nld1361
		falling	nld1362
bahts	bahts	flat	nld1364
	(Thailand)	rising	nld1365
		falling	nld1366

Netherlands Dutch audio (Sheet 24 of 27)

Netherlands Dutch phrase or English equivalent	English	Phrase intonation	File name
satang	satang	flat	nld1368
	(Thailand)	rising	nld1369
		falling	nld1370
satangs	satangs	flat	nld1372
	(Thailand)	rising	nld1373
		falling	nld1374
won	won	flat	nld1376
	(Korea)	rising	nld1377
		falling	nld1378
wons	wons	flat	nld1380
	(Korea)	rising	nld1381
		falling	nld1382
franc	franc	flat	nld1384
	(Belgium)	rising	nld1385
		falling	nld1386
francs	francs	flat	nld1388
	(Belgium)	rising	nld1389
		falling	nld1390
centime	centime	flat	nld1392
	(Belgium)	rising	nld1393
		falling	nld1394
centimes	centimes	flat	nld1396
	(Belgium)	rising	nld1397
		falling	nld1398
dollar	dollar	flat	nld1400
	(Canada)	rising	nld1401
		falling	nld1402

Netherlands Dutch audio (Sheet 25 of 27)

Netherlands Dutch phrase or English equivalent	English	Phrase intonation	File name
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)

Netherlands Dutch phrase or English equivalent	English	Phrase intonation	File name
escudo	escudo	flat	nld1432
	(Portugal)	rising	nld1433
		falling	nld1434
escudos	escudos	flat	nld1436
	(Portugal)	rising	nld1437
		falling	nld1438
centavo	centavo	flat	nld1440
	(Portugal)	rising	nld1441
		falling	nld1442
centavos	centavos	flat	nld1444
	(Portugal)	rising	nld1445
		falling	nld1446
yuan	yuan	flat	nld1448
	(China)	rising	nld1449
		falling	nld1450
yuans	yuans	flat	nld1452
	(China)	rising	nld1453
		falling	nld1454
jiao	jiao	flat	nld1456
	(China)	rising	nld1457
		falling	nld1458
jiaos	jiaos	flat	nld1460
	(China)	rising	nld1461
		falling	nld1462
fen	fen	flat	nld1464
	(China)	rising	nld1465
		falling	nld1466

Netherlands Dutch audio (Sheet 27 of 27)

Netherlands Dutch phrase or English equivalent	English	Phrase intonation	File name
fens	fens	flat	nld1468
	(China)	rising	nld1469
		falling	nld1470
pound	pound	flat	nld1472
	(Ireland)	rising	nld1473
		falling	nld1474
pounds	pounds	flat	nld1476
	(Ireland)	rising	nld1477
		falling	nld1478
penny	penny	flat	nld1480
	(Ireland)	rising	nld1481
		falling	nld1482
pence	pence	flat	nld1484
	(Ireland)	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)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
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)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
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)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
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)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
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)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
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)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
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)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
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)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
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)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
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)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
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
terca-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)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
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)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
vigesimo	twentieth	flat	por804
		rising	por805
		falling	por806
trigesimo	thirtieth	flat	por808
		rising	por809
		falling	por810
quadragesimo	fortieth	flat	por812
		rising	por813
		falling	por814
quinquagesimo	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)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
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
octincentesimo	eight-hundredth	flat	por864
		rising	por865
		falling	por866
nongentesimo	nine-hundredth	flat	por868
		rising	por869
		falling	por870
milesimo	thousandth	flat	por872
		rising	por873
		falling	por874

Portuguese audio (Sheet 15 of 34)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
milionesimo	millionth	flat	por880
		rising	por881
		falling	por882
bilionesimo	billionth	flat	por888
		rising	por889
		falling	por890
tecla	pound sign (#)	flat	por896
		rising	por897
		falling	por898
estrela	asterisk (*)	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 (US)	flat	por1200
		rising	por1201
		falling	por1202
dollars	dollars (US)	flat	por1204
		rising	por1205
		falling	por1206
cent	cent (US)	flat	por1208
		rising	por1209
		falling	por1210

Portuguese audio (Sheet 16 of 34)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
cents	cents	flat	por1212
	(US)	rising	por1213
		falling	por1214
mark	mark	flat	por1216
	(Germany)	rising	por1217
		falling	por1218
marks	marks	flat	por1220
	(Germany)	rising	por1221
		falling	por1222
pfennig	pfennig	flat	por1224
	(Germany)	rising	por1225
		falling	por1226
pfennigs	pfennigs	flat	por1228
	(Germany)	rising	por1229
		falling	por1230
yen	yen	flat	por1232
	(Japan)	rising	por1233
		falling	por1234
yens	yens	flat	por1236
	(Japan)	rising	por1237
		falling	por1238
lira	lira	flat	por1240
	(Italy)	rising	por1241
		falling	por1242
liras	liras	flat	por1244
	(Italy)	rising	por1245
		falling	por1246

Portuguese audio (Sheet 17 of 34)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
guilder	guilder	flat	por1248
	(Netherlands)	rising	por1249
		falling	por1250
guilders	guilders	flat	por1252
	(Netherlands)	rising	por1253
		falling	por1254
cent	cent	flat	por1256
	(Netherlands)	rising	por1257
		falling	por1258
cents	cents	flat	por1260
	(Netherlands)	rising	por1261
		falling	por1262
pound	pound	flat	por1264
	(UK)	rising	por1265
		falling	por1266
pounds	pounds	flat	por1268
	(UK)	rising	por1269
		falling	por1270
penny	penny	flat	por1272
	(UK)	rising	por1273
		falling	por1274
pence	pence	flat	por1276
	(UK)	rising	por1277
		falling	por1278
euro	euro	flat	por1280
	(Europe)	rising	por1281
		falling	por1282

Portuguese audio (Sheet 18 of 34)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
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)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
peso	peso	flat	por1328
	(Philippines)	rising	por1329
		falling	por1330
pesos	pesos	flat	por1332
	(Philippines)	rising	por1333
		falling	por1334
centavo	centavo	flat	por1336
	(Philippines)	rising	por1337
		falling	por1338
centavos	centavos	flat	por1340
	(Philippines)	rising	por1341
		falling	por1342
ringgit	ringgit	flat	por1344
	(Malaysia)	rising	por1345
		falling	por1346
ringgits	ringgits	flat	por1348
	(Malaysia)	rising	por1349
		falling	por1350
sen	sen	flat	por1352
	(Malaysia)	rising	por1353
		falling	por1354
sens	sens	flat	por1356
	(Malaysia)	rising	por1357
		falling	por1358
baht	baht	flat	por1360
	(Thailand)	rising	por1361
		falling	por1362

Portuguese audio (Sheet 20 of 34)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
bahts	bahts (Thailand)	flat	por1364
		rising	por1365
		falling	por1366
satang	satang (Thailand)	flat	por1368
		rising	por1369
		falling	por1370
satangs	satangs (Thailand)	flat	por1372
		rising	por1373
		falling	por1374
won	won (Korea)	flat	por1376
		rising	por1377
		falling	por1378
wons	wons (Korea)	flat	por1380
		rising	por1381
		falling	por1382
franc	franc (Belgium)	flat	por1384
		rising	por1385
		falling	por1386
francs	francs (Belgium)	flat	por 1388
		rising	por1389
		falling	por1390
centime	centime (Belgium)	flat	por1392
		rising	por1393
		falling	por1394
centimes	centimes (Belgium)	flat	por1396
		rising	por1397
		falling	por1398

Portuguese audio (Sheet 21 of 34)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
dollar	dollar	flat	por1400
	(Canada)	rising	por1401
		falling	por1402
dollars	dollars	flat	por1404
	(Canada)	rising	por1405
		falling	por1406
cent	cent	flat	por1408
	(Canada)	rising	por1409
		falling	por1410
cents	cents	flat	por1412
	(Canada)	rising	por1413
		falling	por1414
dollar	dollar	flat	por1416
	(Hong Kong)	rising	por1417
		falling	por1418
dollars	dollars	flat	por1420
	(Hong Kong)	rising	por1421
		falling	por1422
cent	cent	flat	por1424
	(Hong Kong)	rising	por1425
		falling	por1426
cents	cents	flat	por1428
	(Hong Kong)	rising	por1429
		falling	por1430
escudo	escudo	flat	por1432
	(Portugal)	rising	por1433
		falling	por1434

Portuguese audio (Sheet 22 of 34)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
escudos	escudos	flat	por1436
	(Portugal)	rising	por1437
		falling	por1438
centavo	centavo	flat	por1440
	(Portugal)	rising	por1441
		falling	por1442
centavos	centavos	flat	por1444
	(Portugal)	rising	por1445
		falling	por1446
yuan	yuan	flat	por1448
	(China)	rising	por1449
		falling	por1450
yuans	yuans	flat	por1452
	(China)	rising	por1453
		falling	por1454
jiao	jiao	flat	por1456
	(China)	rising	por1457
		falling	por1458
jiaos	jiaos	flat	por1460
	(China)	rising	por1461
		falling	por1462
fen	fen	flat	por1464
	(China)	rising	por1465
		falling	por1466
fens	fens	flat	por1468
	(China)	rising	por1469
		falling	por1470

Portuguese audio (Sheet 23 of 34)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
pound	pound	flat	por1472
	(Ireland)	rising	por1473
		falling	por1474
pounds	pounds	flat	por1476
	(Ireland)	rising	por1477
		falling	por1478
penny	penny	flat	por1480
	(Ireland)	rising	por1481
		falling	por1482
pence	pence	flat	por1484
	(Ireland)	rising	por1485
		falling	por1486
uma	one	flat	por920
	(fem)	rising	por921
		falling	por922
duas	two	flat	por924
	(fem)	rising	por925
		falling	por926
cem	100	flat	por928
		rising	por929
		falling	por930
duzentas	200	flat	por932
	(fem)	rising	por933
		falling	por934
trezentas	300	flat	por936
	(fem)	rising	por937
		falling	por938

Portuguese audio (Sheet 24 of 34)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
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
novencentas	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)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
cuarta	fourth	flat	por976
	(fem)	rising	por977
		falling	por978
quinta	fifth	flat	por980
	(fem)	rising	por981
		falling	por982
sexta	sixth	flat	por984
	(fem)	rising	por985
		falling	por986
septima	seventh	flat	por988
	(fem)	rising	por989
		falling	por990
octava	eighth	flat	por992
	(fem)	rising	por993
		falling	por994
novena	ninth	flat	por996
	(fem)	rising	por997
		falling	por998
decima	tenth	flat	por1000
	(fem)	rising	por1001
		falling	por1002
vigesima	twentieth	flat	por1004
	(fem)	rising	por1005
		falling	por1006
trigesima	thirtieth	flat	por1008
	(fem)	rising	por1009
		falling	por1010

Portuguese audio (Sheet 26 of 34)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
quadragesima	fortieth	flat	por1012
	(fem)	rising	por1013
		falling	por1014
quinquagesima	fiftieth	flat	por1016
	(fem)	rising	por1017
		falling	por1018
sexagesima	sixtieth	flat	por1020
	(fem)	rising	por1021
		falling	por1022
septuagesima	seventieth	flat	por1024
	(fem)	rising	por1025
		falling	por1026
octogesima	eightieth	flat	por1028
	(fem)	rising	por1029
		falling	por1030
nonagesima	ninetieth	flat	por1032
	(fem)	rising	por1033
		falling	por1034
centesima	one-hundredth	flat	por1036
	(fem)	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)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
quadringetesima	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
octincentesima	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)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
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	flat	por1500
	(masc, plural)	rising	por1501
		falling	por1502
segundos	second	flat	por1504
	(masc, plural)	rising	por1505
		falling	por1506
terceros	third	flat	por1508
	(masc, plural)	rising	por1509
		falling	por1510
cuartos	fourth	flat	por1512
	(masc, plural)	rising	por1513
		falling	por1514
quintos	fifth	flat	por1516
	(masc, plural)	rising	por1517
		falling	por1518
sextos	sixth	flat	por1520
	(masc, plural)	rising	por1521
		falling	por1522

Portuguese audio (Sheet 29 of 34)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
septimos	seventh	flat	por1524
	(masc, plural)	rising	por1525
		falling	por1526
octavos	eighth	flat	por1528
	(masc, plural)	rising	por1529
		falling	por1530
novenos	ninth	flat	por1532
	(masc, plural)	rising	por1533
		falling	por1534
decimos	tenth	flat	por1536
	(masc, plural)	rising	por1537
		falling	por1538
vigisimos	twentieth	flat	por1540
	(masc, plural)	rising	por1541
		falling	por1542
trigesimos	thirtieth	flat	por1544
	(masc, plural)	rising	por1545
		falling	por1546
quadragesimos	fortieth	flat	por1548
	(masc, plural)	rising	por1549
		falling	por1550
quinquagesimos	fiftieth	flat	por1552
	(masc, plural)	rising	por1553
		falling	por1554
sexagesimos	sixtieth	flat	por1556
	(masc, plural)	rising	por1557
		falling	por1558

Portuguese audio (Sheet 30 of 34)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
septuagesimos	seventieth	flat	por1560
	(masc, plural)	rising	por1561
		falling	por1562
octogesimos	eightieth	flat	por1564
	(masc, plural)	rising	por1565
		falling	por1566
nonagesimos	ninetieth	flat	por1568
	(masc, plural)	rising	por1569
		falling	por1570
centesimos	one-hundredths	flat	por1572
	(masc, plural)	rising	por1573
		falling	por1574
ducentesimos	two-hundredths	flat	por1576
	(masc, plural)	rising	por1577
		falling	por1578
tricentesimos	three-hundredths	flat	por1580
	(masc, plural)	rising	por1581
		falling	por1582
quadringetesimos	four-hundredths	flat	por1584
	(masc, plural)	rising	por1585
		falling	por1586
quingentesimos	five-hundredths	flat	por1588
	(masc, plural)	rising	por1589
		falling	por1590
sexcentesimos	six-hundredths	flat	por1592
	(masc, plural)	rising	por1593
		falling	por1594

Portuguese audio (Sheet 31 of 34)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
septingentesimos	seven-hundredths	flat	por1596
	(masc, plural)	rising	por1597
		falling	por1598
octincentesimos	eight-hundredths	flat	por1600
	(masc, plural)	rising	por1601
		falling	por1602
nongentesimos	nine-hundredths	flat	por1604
	(masc, plural)	rising	por1605
		falling	por1606
milesimos	thousandths	flat	por1608
	(masc, plural)	rising	por1609
		falling	por1610
milionesimos	millionths	flat	por1612
	(masc, plural)	rising	por1613
		falling	por1614
bilionesimos	billionths	flat	por1616
	(masc, plural)	rising	por1617
		falling	por1618
primeras	first	flat	por1620
	(fem, plural)	rising	por1621
		falling	por1622
segundas	second	flat	por1624
	(fem, plural)	rising	por1625
		falling	por1626
terceras	third	flat	por1628
	(fem, plural)	rising	por1629
		falling	por1630

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Portuguese phrase or English equivalent	English	Phrase intonation	File name
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)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
quadragesimas	fortieth	flat	por1668
	(fem, plural)	rising	por1669
		falling	por1670
quinquagesimas	fiftieth	flat	por1672
	(fem, plural)	rising	por1673
		falling	por1674
sexagesimas	sixtieth	flat	por1676
	(fem, plural)	rising	por1677
		falling	por1678
septuagesimas	seventieth	flat	por1680
	(fem, plural)	rising	por1681
		falling	por1682
octogesimas	eightieth	flat	por1684
	(fem, plural)	rising	por1685
		falling	por1686
nonagesimas	ninetieth	flat	por1688
	(fem, plural)	rising	por1689
		falling	por1690
centesimas	one-hundredth	flat	por1692
	(fem, plural)	rising	por1693
		falling	por1694
ducentesimas	two-hundredth	flat	por1696
	(fem, plural)	rising	por1697
		falling	por1698
tricentisimas	three-hundredth	flat	por1700
	(fem, plural)	rising	por1701
		falling	por1702

Portuguese audio (Sheet 34 of 34)

Portuguese phrase or English equivalent	English	Phrase intonation	File name
quadringetesimas	four-hundredth (fem, plural)	flat	por1704
		rising	por1705
		falling	por1706
quingentesimas	five-hundredth (fem, plural)	flat	por1708
		rising	por1709
		falling	por1710
sexcentesimas	six-hundredth (fem, plural)	flat	por1712
		rising	por1713
		falling	por1714
septingentesimas	senen-hundredth (fem, plural)	flat	por1716
		rising	por1717
		falling	por1718
octincentesimas	eight-hundredth (fem, plural)	flat	por1720
		rising	por1721
		falling	por1722
nongentesimas	nine-hundredth (fem, plural)	flat	por1724
		rising	por1725
		falling	por1726
milesimas	thousandth (fem, plural)	flat	por1728
		rising	por1729
		falling	por1730
milionesimas	millionth (fem, plural)	flat	por1732
		rising	por1733
		falling	por1734
bilionesimas	billionth (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)

Spanish phrase or English equivalent	English	Phrase intonation	File name
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)

Spanish phrase or English equivalent	English	Phrase intonation	File name
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)

Spanish phrase or English equivalent	English	Phrase intonation	File name
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)

Spanish phrase or English equivalent	English	Phrase intonation	File name
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)

Spanish phrase or English equivalent	English	Phrase intonation	File name
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)

Spanish phrase or English equivalent	English	Phrase intonation	File name
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)

Spanish phrase or English equivalent	English	Phrase intonation	File name
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)

Spanish phrase or English equivalent	English	Phrase intonation	File name
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)

Spanish phrase or English equivalent	English	Phrase intonation	File name
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)

Spanish phrase or English equivalent	English	Phrase intonation	File name
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
deciembre	December	flat	spa692
		rising	spa693
		falling	spa694
domingo	Sunday	flat	spa696
		rising	spa697
		falling	spa698

Spanish audio (Sheet 12 of 36)

Spanish phrase or English equivalent	English	Phrase intonation	File name
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 (counting)	flat	spa728
		rising	spa729
		falling	spa730
segundo	second	flat	spa732
		rising	spa733
		falling	spa734
tercero	3rd (counting)	flat	spa736
		rising	spa737
		falling	spa738

Spanish audio (Sheet 13 of 36)

Spanish phrase or English equivalent	English	Phrase intonation	File name
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
noveno	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)

Spanish phrase or English equivalent	English	Phrase intonation	File name
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)

Spanish phrase or English equivalent	English	Phrase intonation	File name
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 (#)	flat	spa896
		rising	spa897
		falling	spa898
asterisco	asterisk (*)	flat	spa900
		rising	spa901
		falling	spa902

Spanish audio (Sheet 16 of 36)

Spanish phrase or English equivalent	English	Phrase intonation	File name
dollar	dollar	flat	spa1200
	(US)	rising	spa1201
		falling	spa1202
dollars	dollars	flat	spa1204
	(US)	rising	spa1205
		falling	spa1206
cent	cent	flat	spa1208
	(US)	rising	spa1209
		falling	spa1210
cents	cents	flat	spa1212
	(US)	rising	spa1213
		falling	spa1214
mark	mark	flat	spa1216
	(Germany)	rising	spa1217
		falling	spa1218
marks	marks	flat	spa1220
	(Germany)	rising	spa1221
		falling	spa1222
pfennig	pfennig	flat	spa1224
	(Germany)	rising	spa1225
		falling	spa1226
pfennigs	pfennigs	flat	spa1228
	(Germany)	rising	spa1229
		falling	spa1230
yen	yen	flat	spa1232
	(Japan)	rising	spa1233
		falling	spa1234

Spanish audio (Sheet 17 of 36)

Spanish phrase or English equivalent	English	Phrase intonation	File name
yens	yens	flat	spa1236
	(Japan)	rising	spa1237
		falling	spa1238
lira	lira	flat	spa1240
	(Italy)	rising	spa1241
		falling	spa1242
liras	liras	flat	spa1244
	(Italy)	rising	spa1245
		falling	spa1246
guilder	guilder	flat	spa1248
	(Netherlands)	rising	spa1249
		falling	spa1250
guilders	guilders	flat	spa1252
	(Netherlands)	rising	spa1253
		falling	spa1254
cent	cent	flat	spa1256
	(Netherlands)	rising	spa1257
		falling	spa1258
cents	cents	flat	spa1260
	(Netherlands)	rising	spa1261
		falling	spa1262
pound	pound	flat	spa1264
	(UK)	rising	spa1265
		falling	spa1266
pounds	pounds	flat	spa1268
	(UK)	rising	spa1269
		falling	spa1270

Spanish audio (Sheet 18 of 36)

Spanish phrase or English equivalent	English	Phrase intonation	File name
penny	penny	flat	spa1272
	(UK)	rising	spa1273
		falling	spa1274
pence	pence	flat	spa1276
	(UK)	rising	spa1277
		falling	spa1278
euro	euro	flat	spa1280
	(Europe)	rising	spa1281
		falling	spa1282
euros	euros	flat	spa1284
	(Europe)	rising	spa1285
		falling	spa1286
eurocent	eurocent	flat	spa1288
	(Europe)	rising	spa1289
		falling	spa1290
eurocents	eurocents	flat	spa1292
	(Europe)	rising	spa1293
		falling	spa1294
franc	franc	flat	spa1296
	(France)	rising	spa1297
		falling	spa1298
francs	francs	flat	spa1300
	(France)	rising	spa1301
		falling	spa1302
centime	centime	flat	spa1304
	(France)	rising	spa1305
		falling	spa1306

Spanish audio (Sheet 19 of 36)

Spanish phrase or English equivalent	English	Phrase intonation	File name
centimes	centimes	flat	spa1308
	(France)	rising	spa1309
		falling	spa1310
peseta	peseta	flat	spa1312
	(Spain)	rising	spa1313
		falling	spa1314
pesetas	pesetas	flat	spa1316
	(Spain)	rising	spa1317
		falling	spa1318
peso	peso	flat	spa1328
	(Philippines)	rising	spa1329
		falling	spa1330
pesos	pesos	flat	spa1332
	(Philippines)	rising	spa1333
		falling	spa1334
centavo	centavo	flat	spa1336
	(Philippines)	rising	spa1337
		falling	spa1338
centavos	centavos	flat	spa1340
	(Philippines)	rising	spa1341
		falling	spa1342
ringgit	ringgit	flat	spa1344
	(Malaysia)	rising	spa1345
		falling	spa1346
ringgits	ringgits	flat	spa1348
	(Malaysia)	rising	spa1349
		falling	spa1350

Spanish audio (Sheet 20 of 36)

Spanish phrase or English equivalent	English	Phrase intonation	File name
sen	sen	flat	spa1352
	(Malaysia)	rising	spa1353
		falling	spa1354
sens	sens	flat	spa1356
	(Malaysia)	rising	spa1357
		falling	spa1358
baht	baht	flat	spa1360
	(Thailand)	rising	spa1361
		falling	spa1362
bahts	bahts	flat	spa1364
	(Thailand)	rising	spa1365
		falling	spa1366
satang	satang	flat	spa1368
	(Thailand)	rising	spa1369
		falling	spa1370
satangs	satangs	flat	spa1372
	(Thailand)	rising	spa1373
		falling	spa1374
won	won	flat	spa1376
	(Korea)	rising	spa1377
		falling	spa1378
wons	wons	flat	spa1380
	(Korea)	rising	spa1381
		falling	spa1382
franc	franc	flat	spa1384
	(Belgium)	rising	spa1385
		falling	spa1386

Spanish audio (Sheet 21 of 36)

Spanish phrase or English equivalent	English	Phrase intonation	File name
francs	francs	flat	spa 1388
	(Belgium)	rising	spa1389
		falling	spa1390
centime	centime	flat	spa1392
	(Belgium)	rising	spa1393
		falling	spa1394
centimes	centimes	flat	spa1396
	(Belgium)	rising	spa1397
		falling	spa1398
dollar	dollar	flat	spa1400
	(Canada)	rising	spa1401
		falling	spa1402
dollars	dollars	flat	spa1404
	(Canada)	rising	spa1405
		falling	spa1406
cent	cent	flat	spa1408
	(Canada)	rising	spa1409
		falling	spa1410
cents	cents	flat	spa1412
	(Canada)	rising	spa1413
		falling	spa1414
dollar	dollar	flat	spa1416
	(Hong Kong)	rising	spa1417
		falling	spa1418
dollars	dollars	flat	spa1420
	(Hong Kong)	rising	spa1421
		falling	spa1422

Spanish audio (Sheet 22 of 36)

Spanish phrase or English equivalent	English	Phrase intonation	File name
gok	gok	flat	spa1488
	(Hong Kong)	rising	spa1489
		falling	spa1490
goks	goks	flat	spa1492
	(Hong Kong)	rising	spa1493
		falling	spa1494
cent	cent	flat	spa1424
	(Hong Kong)	rising	spa1425
		falling	spa1426
cents	cents	flat	spa1428
	(Hong Kong)	rising	spa1429
		falling	spa1430
escudo	escudo	flat	spa1432
	(Portugal)	rising	spa1433
		falling	spa1434
escudos	escudos	flat	spa1436
	(Portugal)	rising	spa1437
		falling	spa1438
centavo	centavo	flat	spa1440
	(Portugal)	rising	spa1441
		falling	spa1442
centavos	centavos	flat	spa1444
	(Portugal)	rising	spa1445
		falling	spa1446
yuan	yuan	flat	spa1448
	(China)	rising	spa1449
		falling	spa1450

Spanish audio (Sheet 23 of 36)

Spanish phrase or English equivalent	English	Phrase intonation	File name
yuans	yuans	flat	spa1452
	(China)	rising	spa1453
		falling	spa1454
jiao	jiao	flat	spa1456
	(China)	rising	spa1457
		falling	spa1458
jiaos	jiaos	flat	spa1460
	(China)	rising	spa1461
		falling	spa1462
fen	fen	flat	spa1464
	(China)	rising	spa1465
		falling	spa1466
fens	fens	flat	spa1468
	(China)	rising	spa1469
		falling	spa1470
pound	pound	flat	spa1472
	(Ireland)	rising	spa1473
		falling	spa1474
pounds	pounds	flat	spa1476
	(Ireland)	rising	spa1477
		falling	spa1478
penny	penny	flat	spa1480
	(Ireland)	rising	spa1481
		falling	spa1482
pence	pence	flat	spa1484
	(Ireland)	rising	spa1485
		falling	spa1486

Spanish audio (Sheet 24 of 36)

Spanish phrase or English equivalent	English	Phrase intonation	File name
un	one	flat	spa920
	(masc)	rising	spa921
		falling	spa922
una	one	flat	spa924
	(fem)	rising	spa925
		falling	spa926
cien	100	flat	spa928
		rising	spa929
		falling	spa930
cienta	100	flat	spa932
	(fem)	rising	spa933
		falling	spa934
doscientas	200	flat	spa936
	(fem)	rising	spa937
		falling	spa938
trescientas	300	flat	spa940
	(fem)	rising	spa941
		falling	spa942
cuatrocientas	400	flat	spa944
	(fem)	rising	spa945
		falling	spa946
quicientas	500	flat	spa948
	(fem)	rising	spa949
		falling	spa950
seiscientas	600	flat	spa952
	(fem)	rising	spa953
		falling	spa954

Spanish audio (Sheet 25 of 36)

Spanish phrase or English equivalent	English	Phrase intonation	File name
setacientas	700	flat	spa956
	(fem)	rising	spa957
		falling	spa958
ochocientas	800	flat	spa960
	(fem)	rising	spa961
		falling	spa962
nuevecientas	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)

Spanish phrase or English equivalent	English	Phrase intonation	File name
noventa y	“ninety and”	flat	spa992
		rising	spa993
		falling	spa994
primera	first	flat	spa1032
	(fem)	rising	spa1033
		falling	spa1034
segunda	second	flat	spa1036
	(fem)	rising	spa1037
		falling	spa1038
tercera	third	flat	spa1040
	(fem)	rising	spa1041
		falling	spa1042
cuarta	fourth	flat	spa1044
	(fem)	rising	spa1045
		falling	spa1046
quinta	fifth	flat	spa1048
	(fem)	rising	spa1049
		falling	spa1050
sexta	sixth	flat	spa1052
	(fem)	rising	spa1053
		falling	spa1054
septima	seventh	flat	spa1056
	(fem)	rising	spa1057
		falling	spa1058
octava	eighth	flat	spa1060
	(fem)	rising	spa1061
		falling	spa1062

Spanish audio (Sheet 27 of 36)

Spanish phrase or English equivalent	English	Phrase intonation	File name
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)

Spanish phrase or English equivalent	English	Phrase intonation	File name
decimoctava	eighteenth (fem)	flat	spa1100
		rising	spa1101
		falling	spa1102
decimonovena	nineteenth (fem)	flat	spa1104
		rising	spa1105
		falling	spa1106
vigesima	twentieth (fem)	flat	spa1108
		rising	spa1109
		falling	spa1110
trigesima	thirtieth (fem)	flat	spa1112
		rising	spa1113
		falling	spa1114
cuadragesima	fortieth (fem)	flat	spa1116
		rising	spa1117
		falling	spa1118
quincuagesima	fiftieth (fem)	flat	spa1120
		rising	spa1121
		falling	spa1122
sexagesima	sixtieth (fem)	flat	spa1124
		rising	spa1125
		falling	spa1126
septuagesima	seventieth (fem)	flat	spa1128
		rising	spa1129
		falling	spa1130
octogesima	eightieth (fem)	flat	spa1132
		rising	spa1133
		falling	spa1134

Spanish audio (Sheet 29 of 36)

Spanish phrase or English equivalent	English	Phrase intonation	File name
nonagesima	ninetieth (fem)	flat	spa1136
		rising	spa1137
		falling	spa1138
centesima	one-hundredth (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 (fem)	flat	spa1156
		rising	spa1157
		falling	spa1158
primer	first (masc)	flat	spa1160
		rising	spa1161
		falling	spa1162
tercer	third (masc)	flat	spa1164
		rising	spa1165
		falling	spa1166
primeros	first (masc, plural)	flat	spa1500
		rising	spa1501
		falling	spa1502

Spanish audio (Sheet 30 of 36)

Spanish phrase or English equivalent	English	Phrase intonation	File name
segundos	second	flat	spa1504
	(masc, plural)	rising	spa1505
		falling	spa1506
terceros	third	flat	spa1508
	(masc, plural)	rising	spa1509
		falling	spa1510
cuartos	fourth	flat	spa1512
	(masc, plural)	rising	spa1513
		falling	spa1514
quintos	fifth	flat	spa1516
	(masc, plural)	rising	spa1517
		falling	spa1518
sextos	sixth	flat	spa1520
	(masc, plural)	rising	spa1521
		falling	spa1522
septimos	seventh	flat	spa1524
	(masc, plural)	rising	spa1525
		falling	spa1526
octavos	eighth	flat	spa1528
	(masc, plural)	rising	spa1529
		falling	spa1530
novenos	ninth	flat	spa1532
	(masc, plural)	rising	spa1533
		falling	spa1534
decimos	tenth	flat	spa1536
	(masc, plural)	rising	spa1537
		falling	spa1538

Spanish audio (Sheet 31 of 36)

Spanish phrase or English equivalent	English	Phrase intonation	File name
undecimos	eleventh	flat	spa1540
	(masc, plural)	rising	spa1541
		falling	spa1542
duodecimos	twelfth	flat	spa1544
	(masc, plural)	rising	spa1545
		falling	spa1546
decimoterceros	thirteenth	flat	spa1548
	(masc, plural)	rising	spa1549
		falling	spa1550
decimocuartos	fourteenth	flat	spa1552
	(masc, plural)	rising	spa1553
		falling	spa1554
decimoquintos	fifteenth	flat	spa1556
	(masc, plural)	rising	spa1557
		falling	spa1558
decimosextos	sixteenth	flat	spa1560
	(masc, plural)	rising	spa1561
		falling	spa1562
decimoseptimos	seventeenth	flat	spa1564
	(masc, plural)	rising	spa1565
		falling	spa1566
decimoctavos	eighteenth	flat	spa1568
	(masc, plural)	rising	spa1569
		falling	spa1570
decimonovenos	nineteenth	flat	spa1572
	(masc, plural)	rising	spa1573
		falling	spa1574

Spanish audio (Sheet 32 of 36)

Spanish phrase or English equivalent	English	Phrase intonation	File name
vigesimos	twentieth	flat	spa1576
	(masc, plural)	rising	spa1577
		falling	spa1578
trigesimos	thirtieth	flat	spa1580
	(masc, plural)	rising	spa1581
		falling	spa1582
cuadragesimos	fortieth	flat	spa1584
	(masc, plural)	rising	spa1585
		falling	spa1586
quincuagesimos	fiftieth	flat	spa1588
	(masc, plural)	rising	spa1589
		falling	spa1590
sexagesimos	sixtieth	flat	spa1592
	(masc, plural)	rising	spa1593
		falling	spa1594
septuagesimos	seventieth	flat	spa1596
	(masc, plural)	rising	spa1597
		falling	spa1598
octogesimos	eightieth	flat	spa1600
	(masc, plural)	rising	spa1601
		falling	spa1602
nonagesimos	ninetieth	flat	spa1604
	(masc, plural)	rising	spa1605
		falling	spa1606
centesimos	one-hundredth	flat	spa1608
	(masc, plural)	rising	spa1609
		falling	spa1610

Spanish audio (Sheet 33 of 36)

Spanish phrase or English equivalent	English	Phrase intonation	File name
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)

Spanish phrase or English equivalent	English	Phrase intonation	File name
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)

Spanish phrase or English equivalent	English	Phrase intonation	File name
decimonovenas	nineteenth (fem, plural)	flat	spa1684
		rising	spa1685
		falling	spa1686
vigesimas	twentieth (fem, plural)	flat	spa1688
		rising	spa1689
		falling	spa1690
trigesimas	thirtieth (fem, plural)	flat	spa1692
		rising	spa1693
		falling	spa1694
cuadragesimas	fortieth (fem, plural)	flat	spa1696
		rising	spa1697
		falling	spa1698
quincuagesimas	fiftieth (fem, plural)	flat	spa1700
		rising	spa1701
		falling	spa1702
sexagesimas	sixtieth (fem, plural)	flat	spa1704
		rising	spa1705
		falling	spa1706
septuagesimas	seventieth (fem, plural)	flat	spa1708
		rising	spa1709
		falling	spa1710
octogesimas	eightieth (fem, plural)	flat	spa1712
		rising	spa1713
		falling	spa1714

Spanish audio (Sheet 36 of 36)

Spanish phrase or English equivalent	English	Phrase intonation	File name
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)

Tagalog phrase or English equivalent	English	Phrase intonation	File name
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)

Tagalog phrase or English equivalent	English	Phrase intonation	File name
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)

Tagalog phrase or English equivalent	English	Phrase intonation	File name
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)

Tagalog phrase or English equivalent	English	Phrase intonation	File name
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)

Tagalog phrase or English equivalent	English	Phrase intonation	File name
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)

Tagalog phrase or English equivalent	English	Phrase intonation	File name
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)

Tagalog phrase or English equivalent	English	Phrase intonation	File name
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)

Tagalog phrase or English equivalent	English	Phrase intonation	File name
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
oktuber	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)

Tagalog phrase or English equivalent	English	Phrase intonation	File name
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)

Tagalog phrase or English equivalent	English	Phrase intonation	File name
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)

Tagalog phrase or English equivalent	English	Phrase intonation	File name
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)

Tagalog phrase or English equivalent	English	Phrase intonation	File name
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)

Tagalog phrase or English equivalent	English	Phrase intonation	File name
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
milionth	millionth	flat	tgl880
		rising	tgl881
		falling	tgl882
bilionth	billionth	flat	tgl888
		rising	tgl889
		falling	tgl890
bilang o numero	pound sign (#)	flat	tgl896
		rising	tgl897
		falling	tgl898

Tagalog audio (Sheet 15 of 26)

Tagalog phrase or English equivalent	English	Phrase intonation	File name
asteris	asterisk	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)

Tagalog phrase or English equivalent	English	Phrase intonation	File name
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)

Tagalog phrase or English equivalent	English	Phrase intonation	File name
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)

Tagalog phrase or English equivalent	English	Phrase intonation	File name
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)

Tagalog phrase or English equivalent	English	Phrase intonation	File name
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)

Tagalog phrase or English equivalent	English	Phrase intonation	File name
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)

Tagalog phrase or English equivalent	English	Phrase intonation	File name
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)

Tagalog phrase or English equivalent	English	Phrase intonation	File name
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 (US)	flat	tgl1200
		rising	tgl1201
		falling	tgl1202
cent	cent (US)	flat	tgl1208
		rising	tgl1209
		falling	tgl1210
mark	mark (Germany)	flat	tgl1216
		rising	tgl1217
		falling	tgl1218
pfennig	pfennig (Germany)	flat	tgl1224
		rising	tgl1225
		falling	tgl1226
yen	yen (Japan)	flat	tgl1232
		rising	tgl1233
		falling	tgl1234

Tagalog audio (Sheet 23 of 26)

Tagalog phrase or English equivalent	English	Phrase intonation	File name
lira	lira	flat	tgl1240
	(Italy)	rising	tgl1241
		falling	tgl1242
guilder	guilder	flat	tgl1248
	(Netherlands)	rising	tgl1249
		falling	tgl1250
cent	cent	flat	tgl1256
	(Netherlands)	rising	tgl1257
		falling	tgl1258
pound	pound	flat	tgl1264
	(UK)	rising	tgl1265
		falling	tgl1266
pence	pence	flat	tgl1276
	(UK)	rising	tgl1277
		falling	tgl1278
euro	euro	flat	tgl1280
	(Europe)	rising	tgl1281
		falling	tgl1282
eurocent	eurocent	flat	tgl1288
	(Europe)	rising	tgl1289
		falling	tgl1290
franc	franc	flat	tgl1296
	(France)	rising	tgl1297
		falling	tgl1298
centime	centime	flat	tgl1304
	(France)	rising	tgl1305
		falling	tgl1306

Tagalog audio (Sheet 24 of 26)

Tagalog phrase or English equivalent	English	Phrase intonation	File name
peseta	peseta	flat	tgl1312
	(Spain)	rising	tgl1313
		falling	tgl1314
peso	peso	flat	tgl1328
	(Philippines)	rising	tgl1329
		falling	tgl1330
centavo	centavo	flat	tgl1336
	(Philippines)	rising	tgl1337
		falling	tgl1338
ringgit	ringgit	flat	tgl1344
	(Malaysia)	rising	tgl1345
		falling	tgl1346
sen	sen	flat	tgl1352
	(Malaysia)	rising	tgl1353
		falling	tgl1354
baht	baht	flat	tgl1360
	(Thailand)	rising	tgl1361
		falling	tgl1362
satang	satang	flat	tgl1368
	(Thailand)	rising	tgl1369
		falling	tgl1370
won	won	flat	tgl1376
	(Korea)	rising	tgl1377
		falling	tgl1378
franc	franc	flat	tgl1384
	(Belgium)	rising	tgl1385
		falling	tgl1386

Tagalog audio (Sheet 25 of 26)

Tagalog phrase or English equivalent	English	Phrase intonation	File name
centime	centime	flat	tgl1392
	(Belgium)	rising	tgl1393
		falling	tgl1394
dollar	dollar	flat	tgl1400
	(Canada)	rising	tgl1401
		falling	tgl1402
cent	cent	flat	tgl1408
	(Canada)	rising	tgl1409
		falling	tgl1410
dollar	dollar	flat	tgl1416
	(Hong Kong)	rising	tgl1417
		falling	tgl1418
cent	cent	flat	tgl1424
	(Hong Kong)	rising	tgl1425
		falling	tgl1426
gok	gok	flat	tgl1488
	(Hong Kong)	rising	tgl1489
		falling	tgl1490
escudo	escudo	flat	tgl1432
	(Portugal)	rising	tgl1433
		falling	tgl1434
centavo	centavo	flat	tgl1440
	(Portugal)	rising	tgl1441
		falling	tgl1442
yuan	yuan	flat	tgl1448
	(China)	rising	tgl1449
		falling	tgl1450

Tagalog audio (Sheet 26 of 26)

Tagalog phrase or English equivalent	English	Phrase intonation	File name
jiao	jiao	flat	tgl1456
	(China)	rising	tgl1457
		falling	tgl1458
fen	fen	flat	tgl1464
	(China)	rising	tgl1465
		falling	tgl1466
pound	pound	flat	tgl1472
	(Ireland)	rising	tgl1473
		falling	tgl1474
pence	pence	flat	tgl1484
	(Ireland)	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)

Thai phrase or English equivalent	English	Phrase intonation	File name
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	flat	tha896
	(#)	rising	tha897
		falling	tha898
khreung mai dog chan	asterisk	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)

Thai phrase or English equivalent	English	Phrase intonation	File name
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	flat	tha1200
	(US)	rising	tha1201
		falling	tha1202
cent	cent	flat	tha1208
	(US)	rising	tha1209
		falling	tha1210
mark	mark	flat	tha1216
	(Germany)	rising	tha1217
		falling	tha1218
pfennig	pfennig	flat	tha1224
	(Germany)	rising	tha1225
		falling	tha1226
yen	yen	flat	tha1232
	(Japan)	rising	tha1233
		falling	tha1234

Thai audio (Sheet 12 of 15)

Thai phrase or English equivalent	English	Phrase intonation	File name
lira	lira	flat	tha1240
	(Italy)	rising	tha1241
		falling	tha1242
guilder	guilder	flat	tha1248
	(Netherlands)	rising	tha1249
		falling	tha1250
cent	cent	flat	tha1256
	(Netherlands)	rising	tha1257
		falling	tha1258
pound	pound	flat	tha1264
	(UK)	rising	tha1265
		falling	tha1266
pence	pence	flat	tha1276
	(UK)	rising	tha1277
		falling	tha1278
euro	euro	flat	tha1280
	(Europe)	rising	tha1281
		falling	tha1282
eurocent	eurocent	flat	tha1288
	(Europe)	rising	tha1289
		falling	tha1290
franc	franc	flat	tha1296
	(France)	rising	tha1297
		falling	tha1298
centime	centime	flat	tha1304
	(France)	rising	tha1305
		falling	tha1306

Thai audio (Sheet 13 of 15)

Thai phrase or English equivalent	English	Phrase intonation	File name
peseta	peseta	flat	tha1312
	(Spain)	rising	tha1313
		falling	tha1314
peso	peso	flat	tha1328
	(Philippines)	rising	tha1329
		falling	tha1330
centavo	centavo	flat	tha1336
	(Philippines)	rising	tha1337
		falling	tha1338
ringgit	ringgit	flat	tha1344
	(Malaysia)	rising	tha1345
		falling	tha1346
sen	sen	flat	tha1352
	(Malaysia)	rising	tha1353
		falling	tha1354
baht	baht	flat	tha1360
	(Thailand)	rising	tha1361
		falling	tha1362
satang	satang	flat	tha1368
	(Thailand)	rising	tha1369
		falling	tha1370
won	won	flat	tha1376
	(Korea)	rising	tha1377
		falling	tha1378
franc	franc	flat	tha1384
	(Belgium)	rising	tha1385
		falling	tha1386

Thai audio (Sheet 14 of 15)

Thai phrase or English equivalent	English	Phrase intonation	File name
centime	centime	flat	tha1392
	(Belgium)	rising	tha1393
		falling	tha1394
dollar	dollar	flat	tha1400
	(Canada)	rising	tha1401
		falling	tha1402
cent	cent	flat	tha1408
	(Canada)	rising	tha1409
		falling	tha1410
dollar	dollar	flat	tha1416
	(Hong Kong)	rising	tha1417
		falling	tha1418
cent	cent	flat	tha1424
	(Hong Kong)	rising	tha1425
		falling	tha1426
gok	gok	flat	tha1488
	(Hong Kong)	rising	tha1489
		falling	tha1490
escudo	escudo	flat	tha1432
	(Portugal)	rising	tha1433
		falling	tha1434
centavo	centavo	flat	tha1440
	(Portugal)	rising	tha1441
		falling	tha1442
yuan	yuan	flat	tha1448
	(China)	rising	tha1449
		falling	tha1450

Thai audio (Sheet 15 of 15)

Thai phrase or English equivalent	English	Phrase intonation	File name
jiao	jiao	flat	tha1456
	(China)	rising	tha1457
		falling	tha1458
fen	fen	flat	tha1464
	(China)	rising	tha1465
		falling	tha1466
pound	pound	flat	tha1472
	(Ireland)	rising	tha1473
		falling	tha1474
pence	pence	flat	tha1484
	(Ireland)	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)

Turkish phrase or English equivalent	English	Phrase intonation	File name
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-tooz	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)

Turkish phrase or English equivalent	English	Phrase intonation	File name
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)

Turkish phrase or English equivalent	English	Phrase intonation	File name
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)

Turkish phrase or English equivalent	English	Phrase intonation	File name
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)

Turkish phrase or English equivalent	English	Phrase intonation	File name
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)

Turkish phrase or English equivalent	English	Phrase intonation	File name
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)

Turkish phrase or English equivalent	English	Phrase intonation	File name
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)

Turkish phrase or English equivalent	English	Phrase intonation	File name
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)

Turkish phrase or English equivalent	English	Phrase intonation	File name
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)

Turkish phrase or English equivalent	English	Phrase intonation	File name
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)

Turkish phrase or English equivalent	English	Phrase intonation	File name
nu-ma-raa e-sha-ra-te	pound sign (#)	flat	tur896
		rising	tur897
		falling	tur898
yel-dez e-sha-ra-te	asterisk (*)	flat	tur900
		rising	tur901
		falling	tur902
dolar	dollar (US)	flat	tur1200
		rising	tur1201
		falling	tur1202
sent	cent (US)	flat	tur1208
		rising	tur1209
		falling	tur1210
mark	mark (Germany)	flat	tur1216
		rising	tur1217
		falling	tur1218
pfennig	pfennig (Germany)	flat	tur1224
		rising	tur1225
		falling	tur1226
yen	yen (Japan)	flat	tur1232
		rising	tur1233
		falling	tur1234
lira	lira (Italy)	flat	tur1240
		rising	tur1241
		falling	tur1242
guilder	guilder (Netherlands)	flat	tur1248
		rising	tur1249
		falling	tur1250

Turkish audio (Sheet 13 of 17)

Turkish phrase or English equivalent	English	Phrase intonation	File name
cent	cent	flat	tur1256
	(Netherlands)	rising	tur1257
		falling	tur1258
pound	pound	flat	tur1264
	(UK)	rising	tur1265
		falling	tur1266
penny	penny	flat	tur1272
	(UK)	rising	tur1273
		falling	tur1274
yuro[2]	euro	flat	tur1280
	(Euro)	rising	tur1281
		falling	tur1282
yuro senti	eurocent	flat	tur1288
	(Euro)	rising	tur1289
		falling	tur1290
frank	franc	flat	tur1296
	(France)	rising	tur1297
		falling	tur1298
santim	centime	flat	tur1304
	(France)	rising	tur1305
		falling	tur1306
peseta	peseta	flat	tur1312
	(Spain)	rising	tur1313
		falling	tur1314
peso	peso	flat	tur1328
	(Philippines)	rising	tur1329
		falling	tur1330

Turkish audio (Sheet 14 of 17)

Turkish phrase or English equivalent	English	Phrase intonation	File name
centavo	centavo	flat	tur1336
	(Philippines)	rising	tur1337
		falling	tur1338
ringgit	ringgit	flat	tur1344
	(Malaysia)	rising	tur1345
		falling	tur1346
sen	sen	flat	tur1352
	(Malaysia)	rising	tur1353
		falling	tur1354
baht	baht	flat	tur1360
	(Thailand)	rising	tur1361
		falling	tur1362
satang	satang	flat	tur1368
	(Thailand)	rising	tur1369
		falling	tur1370
won	won	flat	tur1376
	(Korea)	rising	tur1377
		falling	tur1378
franc	franc	flat	tur1384
	(Belgium)	rising	tur1385
		falling	tur1386
centime	centime	flat	tur1392
	(Belgium)	rising	tur1393
		falling	tur1394
dollar	dollar	flat	tur1400
	(Canada)	rising	tur1401
		falling	tur1402

Turkish audio (Sheet 15 of 17)

Turkish phrase or English equivalent	English	Phrase intonation	File name
cent	cent	flat	tur1408
	(Canada)	rising	tur1409
		falling	tur1410
dollar	dollar	flat	tur1416
	(Hong Kong)	rising	tur1417
		falling	tur1418
cent	cent	flat	tur1424
	(Hong Kong)	rising	tur1425
		falling	tur1426
gok	gok	flat	tur1488
	(Hong Kong)	rising	tur1489
		falling	tur1490
escudo	escudo	flat	tur1432
	(Portugal)	rising	tur1433
		falling	tur1434
centavo	centavo	flat	tur1440
	(Portugal)	rising	tur1441
		falling	tur1442
yuan	yuan	flat	tur1448
	(China)	rising	tur1449
		falling	tur1450
jiao	jiao	flat	tur1456
	(China)	rising	tur1457
		falling	tur1458
fen	fen	flat	tur1464
	(China)	rising	tur1465
		falling	tur1466

Turkish audio (Sheet 16 of 17)

Turkish phrase or English equivalent	English	Phrase intonation	File name
pound	pound	flat	tur1472
	(Ireland)	rising	tur1473
		falling	tur1474
penny	penny	flat	tur1480
	(Ireland)	rising	tur1481
		falling	tur1482
she-kel	shekel	flat	tur4000
	(Israel)	rising	tur4001
		falling	tur4002
agoro	agoro	flat	tur4008
	(Israel)	rising	tur4009
		falling	tur4010
ko-roo-na-sa	koruna	flat	tur4016
	(Czech)	rising	tur4017
		falling	tur4018
haleru	haleru	flat	tur4024
	(Czech)	rising	tur4025
		falling	tur4026
le-ra	lira	flat	tur4032
	(Turkey)	rising	tur4033
		falling	tur4034
drah-ma-sa	drachma	flat	tur4040
	(Greek)	rising	tur4041
		falling	tur4042
dan-ge	dong	flat	tur4048
	(Vietnamese)	rising	tur4049
		falling	tur4050

Turkish audio (Sheet 17 of 17)

Turkish phrase or English equivalent	English	Phrase intonation	File name
ru-pe[2]	rupee	flat	tur4056
	(India)	rising	tur4057
		falling	tur4058
payza[2]	paisa	flat	tur4064
	(India)	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)

Vietnamese phrase or English equivalent	English	Phrase intonation	File name
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)

Vietnamese phrase or English equivalent	English	Phrase intonation	File name
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)

Vietnamese phrase or English equivalent	English	Phrase intonation	File name
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)

Vietnamese phrase or English equivalent	English	Phrase intonation	File name
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)

Vietnamese phrase or English equivalent	English	Phrase intonation	File name
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)

Vietnamese phrase or English equivalent	English	Phrase intonation	File name
tu too	fourth	flat	vie740
		rising	vie741
		falling	vie742
zao pao	pound sign (#)	flat	vie896
		rising	vie897
		falling	vie898
zao hua ti	asterisk (*)	flat	vie900
		rising	vie901
		falling	vie902
do la	dollar (US)	flat	vie1200
		rising	vie1201
		falling	vie1202
soo	cent (US)	flat	vie1208
		rising	vie1209
		falling	vie1210
mark	mark (Germany)	flat	vie1216
		rising	vie1217
		falling	vie1218
pfennig	pfennig (Germany)	flat	vie1224
		rising	vie1225
		falling	vie1226
dong yen	yen (Japan)	flat	vie1232
		rising	vie1233
		falling	vie1234
lira	lira (Italy)	flat	vie1240
		rising	vie1241
		falling	vie1242

Vietnamese audio (Sheet 8 of 13)

Vietnamese phrase or English equivalent	English	Phrase intonation	File name
guilder	guilder	flat	vie1248
	(Netherlands)	rising	vie1249
		falling	vie1250
cent	cent	flat	vie1256
	(Netherlands)	rising	vie1257
		falling	vie1258
pound	pound	flat	vie1264
	(UK)	rising	vie1265
		falling	vie1266
penny	penny	flat	vie1272
	(UK)	rising	vie1273
		falling	vie1274
dong er ro	euro	flat	vie1280
	(Euro)	rising	vie1281
		falling	vie1282
soo er ro	eurocent	flat	vie1288
	(Euro)	rising	vie1289
		falling	vie1290
faat lan	franc	flat	vie1296
	(France)	rising	vie1297
		falling	vie1298
saang tim	centime	flat	vie1304
	(France)	rising	vie1305
		falling	vie1306
peseta	peseta	flat	vie1312
	(Spain)	rising	vie1313
		falling	vie1314

Vietnamese audio (Sheet 9 of 13)

Vietnamese phrase or English equivalent	English	Phrase intonation	File name
peso	peso	flat	vie1328
	(Phillipines)	rising	vie1329
		falling	vie1330
centavo	centavo	flat	vie1336
	(Phillipines)	rising	vie1337
		falling	vie1338
ringgit	ringgit	flat	vie1344
	(Malaysia)	rising	vie1345
		falling	vie1346
sen	sen	flat	vie1352
	(Malaysia)	rising	vie1353
		falling	vie1354
baht	baht	flat	vie1360
	(Thailand)	rising	vie1361
		falling	vie1362
satang	satang	flat	vie1368
	(Thailand)	rising	vie1369
		falling	vie1370
won	won	flat	vie1376
	(Korea)	rising	vie1377
		falling	vie1378
franc	franc	flat	vie1384
	(Belgium)	rising	vie1385
		falling	vie1386
centime	centime	flat	vie1392
	(Belgium)	rising	vie1393
		falling	vie1394

Vietnamese audio (Sheet 10 of 13)

Vietnamese phrase or English equivalent	English	Phrase intonation	File name
dollar	dollar	flat	vie1400
	(Canada)	rising	vie1401
		falling	vie1402
cent	cent	flat	vie1408
	(Canada)	rising	vie1409
		falling	vie1410
dollar	dollar	flat	vie1416
	(Hong Kong)	rising	vie1417
		falling	vie1418
cent	cent	flat	vie1424
	(Hong Kong)	rising	vie1425
		falling	vie1426
gok	gok	flat	vie1488
	(Hong Kong)	rising	vie1489
		falling	vie1490
escudo	escudo	flat	vie1432
	(Portugal)	rising	vie1433
		falling	vie1434
centavo	centavo	flat	vie1440
	(Portugal)	rising	vie1441
		falling	vie1442
yuan	yuan	flat	vie1448
	(China)	rising	vie1449
		falling	vie1450
jiao	jiao	flat	vie1456
	(China)	rising	vie1457
		falling	vie1458

Vietnamese audio (Sheet 11 of 13)

Vietnamese phrase or English equivalent	English	Phrase intonation	File name
fen	fen	flat	vie1464
	(China)	rising	vie1465
		falling	vie1466
pound	pound	flat	vie1472
	(Ireland)	rising	vie1473
		falling	vie1474
penny	penny	flat	vie1480
	(Ireland)	rising	vie1481
		falling	vie1482
dong shekel zo tai	shekel	flat	vie4000
	(Israel)	rising	vie4001
		falling	vie4002
agoro	agoro	flat	vie4008
	(Israel)	rising	vie4009
		falling	vie4010
dong co ru na teip	koruna	flat	vie4016
	(Czech)	rising	vie4017
		falling	vie4018
haleru	haleru	flat	vie4024
	(Czech)	rising	vie4025
		falling	vie4026
dong li ra tou	lira	flat	vie4032
	(Turkey)	rising	vie4033
		falling	vie4034
dong drachma i cap	drachma	flat	vie4040
	(Greek)	rising	vie4041
		falling	vie4042

Vietnamese audio (Sheet 12 of 13)

Vietnamese phrase or English equivalent	English	Phrase intonation	File name
dong	dong (Vietnamese)	flat	vie4048
		rising	vie4049
		falling	vie4050
rup pee	rupee (Indian)	flat	vie4056
		rising	vie4057
		falling	vie4058
dong paisa	paisa (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)

Vietnamese phrase or English equivalent	English	Phrase intonation	File name
tang	month	flat	vie944
		rising	vie945
		falling	vie946
nam	year	flat	vie948
		rising	vie949
		falling	vie950
le	zero	flat	vie952
	(used in numbers when 0 precedes a number)	rising	vie953
		falling	vie954
lam	five	flat	vie956
	(used when five is in unit's place)	rising	vie957
		falling	vie958
chaan	even	flat	vie960
		rising	vie961
		falling	vie962