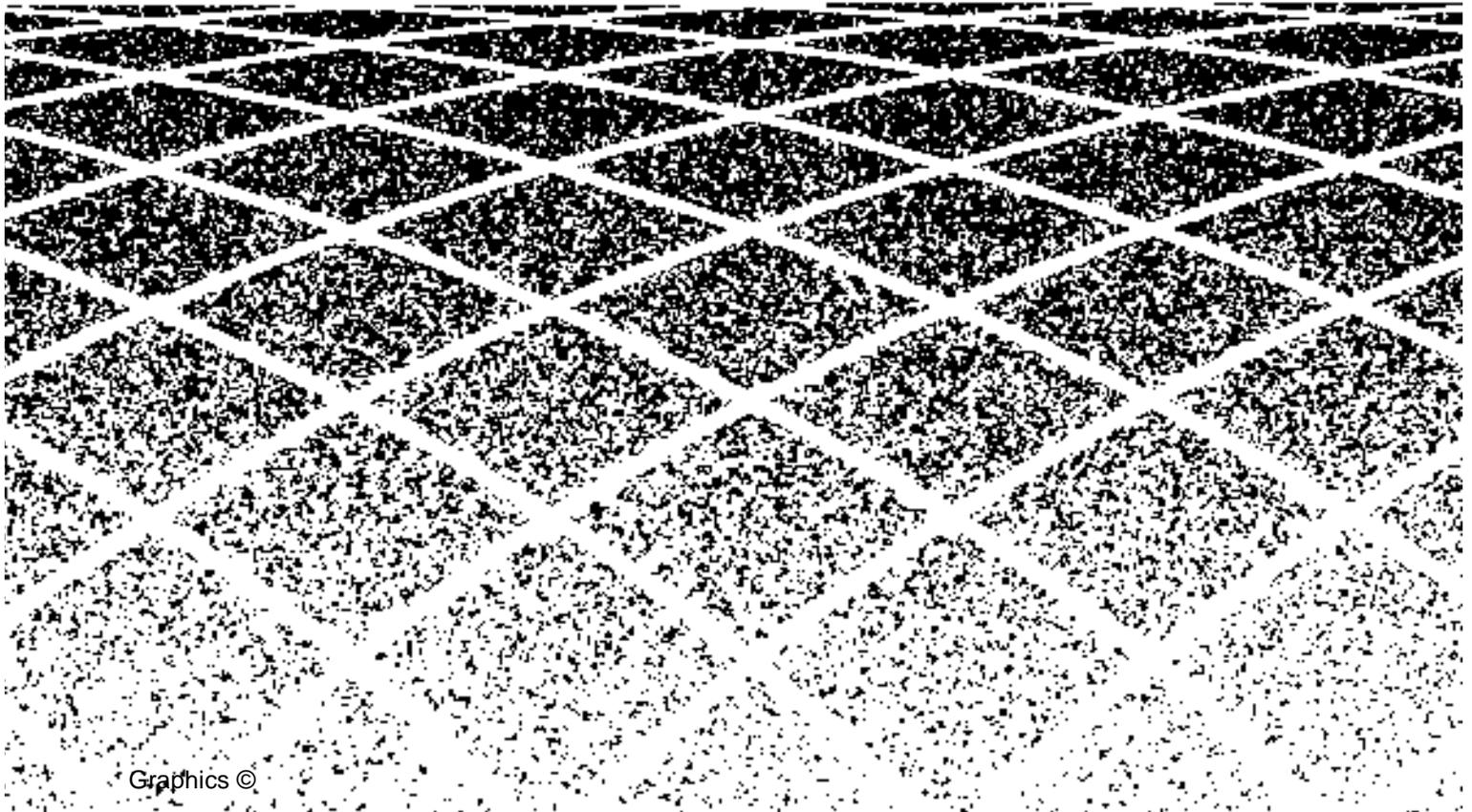




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INTUITY Release 3.0 Migration Process



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About This Book

This book, *INTUITY Release 3.0 Migration Procedures*, contains the procedures needed for moving to an INTUITY system from one of the following systems:

- AUDIX R1
- DEFINITY AUDIX
- AUDIX Voice Power
- AUDIX Voice Power on MERLIN LEGEND (IS II or IS III)
- AUDIX Voice Power Lodging

Intended Audience

This book is intended primarily for the on-site AT&T service technician and technical customer personnel. Secondary audiences from AT&T include:

- Field support and provisioning project managers
- Helpline personnel

Prerequisite Skills and Knowledge

We assume that the primary users of this book have fundamental knowledge regarding computers and PBXs and are familiar with previous products such as Master Controller II and III.

Organization of This Book

- Chapter 1, "Migrating from AUDIX R1"
This chapter describes how to migrate subscriber data from an AUDIX R1 system to the INTUITY System. A migration checklist is included in this chapter.
- Chapter 2, "Enhanced AUDIX R1 Migration"
This chapter describes how to migrate subscriber voice data from an AUDIX R1 system to the INTUITY System. A migration checklist is included in the chapter.
- Chapter 3, "Migrating from DEFINITY AUDIX"
This chapter describes how to migrate subscriber data and subscriber voice data from a DEFINITY AUDIX system to the INTUITY System. A migration checklist is included in this chapter.
- Chapter 4, "Migrating from AUDIX Voice Power"
This chapter describes how to migrate from an AUDIX Voice Power system to the INTUITY System. A migration checklist is included in this chapter.
- Chapter 5, "Migrating from AUDIX Voice Power on MERLIN LEGEND (IS II or IS III)"
This chapter describes how to migrate from an AUDIX Voice Power on MERLIN LEGEND (IS II or IS III) system to the INTUITY System. A migration checklist is included in this chapter.
- Chapter 6, "Migrating from AUDIX Voice Power Lodging"
This chapter describes how to migrate from an AUDIX Voice Power Lodging system to the INTUITY Lodging System. A migration checklist is included in this chapter.

- Appendix A, "Migration Error Codes"
This appendix lists migration error code numbers and their descriptions. You might see an error code number when performing a migration.
- Appendix B, "Migrating Multiple Systems"
This appendix discusses the migration of more than one voice system to the INTUITY System at one time.
- Abbreviations
This section lists the abbreviations and acronyms used in INTUITY system documentation.
- Glossary
This section defines the terms and acronyms used in INTUITY System documentation.
- Index
An alphabetized list which provides a cross reference of specific terms used in the book and the page numbers on which they are mentioned.

How to Use This Book

This book is a procedural book with step by step instructions needed to complete a migration. Each chapter contains a migration checklist and the detailed procedures necessary to complete a specific migration. Use the chapter that fits your particular migration.

Conventions Used

This book uses the following conventions:

- Rounded boxes represent keyboard keys that you press.
For example, an instruction to press the enter key is shown as:
Press **ENTER**.
- Square boxes represent telephone pad keys that you press.
For example, an instruction to press zero on the phone pad is shown as:
Press **0**.
- The word "enter" means to type a value and press **ENTER**.
For example, an instruction to type y and press **ENTER** is shown as follows:
Enter **y** to continue.

- Two or three keys that you press at the same time (that is, you hold down the first key while pressing the second and/or third key) are shown as a rounded box that contains two or more words separated by hyphens.

For example, an instruction to press and hold **ALT** while typing the letter **d** is shown as:

Press **ALT** **D**

- Commands and text you type or enter appear in **bold**.
- Values, instructions, and prompts that you see on the screen are shown as:

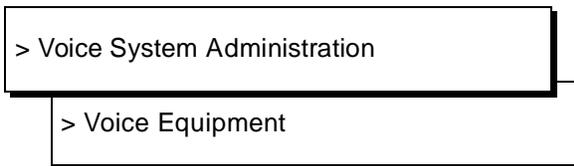
Press any key to continue.

- Variables that the system supplies or that you must supply are shown in *italics*. For example, an error message including one of your filenames is shown as follows:

The *filename* is formatted incorrectly

- The sequence of menu options that you must select to display a specific screen is shown as follows:

Begin at the INTUITY Administration menu, and select the following sequence:



In this example, you would first access the INTUITY Administration menu. Then you would select the Voice System Administration option to display the Voice System Administration menu. From that menu, you would select the Voice Equipment option to display the Voice Equipment screen.

Related Resources

The following books are expected to be used in conjunction with the *INTUITY Migrations Procedures* book..

Document	Document Number	Issue
INTUITY™ Release 3.0 Planning for Migrations	585-310-652	1
INTUITY™ MAP/5 Hardware Installation	585-310-146	2
INTUITY™ MAP/40 Hardware Installation	585-310-138	2
INTUITY™ MAP/100 Hardware Installation	585-310-139	2
INTUITY™ Software Installation for Release 3.0	585-310-160	2
INTUITY™ Platform Administration and Maintenance for Release 3.0	585-310-557	2
INTUITY™ AUDIX® Release 3.3 Administration and Feature Operations	585-310-552	3
INTUITY™ FAX Messaging Administration and Addenda	585-310-558	1
INTUITY™ AUDIX® Digital Networking Administration	585-310-533	2
AMIS Analog Networking	585-300-512	6
INTUITY™ Lodging Administration and Feature Operations	585-310-559	1
INTUITY™ Lodging Property Management System Specifications	585-310-234	1
INTUITY™ Integration with System 75 and DEFINITY® Communications System Generic 1 and Generic 3	585-310-214	4
INTUITY™ Integration with System 85 and DEFINITY® Communications System Generic 2	585-310-215	2
INTUITY™ Integration with MERLIN LEGEND® Communications System	585-310-231	2
INTUITY™ Integration with the 5ESS® Switch	585-310-219	2
INTUITY™ Integration with DMS-100	585-310-223	2
INTUITY™ Integration with Northern Telecom® SL-1, Meridian™, and Meridian SL-1	585-310-221	2

Document	Document Number	Issue
INTUITY™ Integration with Mitel™	585-310-222	2
INTUITY™ Integration with NEC® NEAX™	585-310-216	2
INTUITY™ Integration with ROLM™ 8000, 9000, 9571	585-310-220	2

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Migrating from AUDIX R1

1

Overview

An AUDIX R1 customer can migrate to the INTUITY AUDIX system using one of two processes:

- Standard migration
- Tandem migration

Both processes add to and alter the sequence of tasks for installing the INTUITY AUDIX system. The migration tasks described in this chapter are in a sequence that minimizes the time the customer will be without voice messaging service. However, this sequence of tasks also assumes the customer will want to:

- Minimize the purchase of additional voice ports
- Leave the AUDIX R1 mailboxes available for a short period of time after the migration.

Standard Migration

In a standard migration (Figure 1-1), the INTUITY system replaces the AUDIX R1. The AUDIX R1 is either immediately disconnected or it may be left in place temporarily so subscribers can listen to any messages stored by the AUDIX R1 before the INTUITY system was placed into service. However, if the subscribers use the AUDIX R1 to retrieve old messages, the INTUITY system provides service for all new messages.

Tandem Migration

In a tandem migration (Figure 1-2), the INTUITY system provides service for only part of the subscribers from the AUDIX R1. The AUDIX R1 system remains up and running, and only a subset of subscribers move to the INTUITY system. The tandem migration is available *only* on a System 85, Generic 2 or Generic 3r switch because only these switches allow a BX.25 data link with more than one AUDIX hunt group/split.

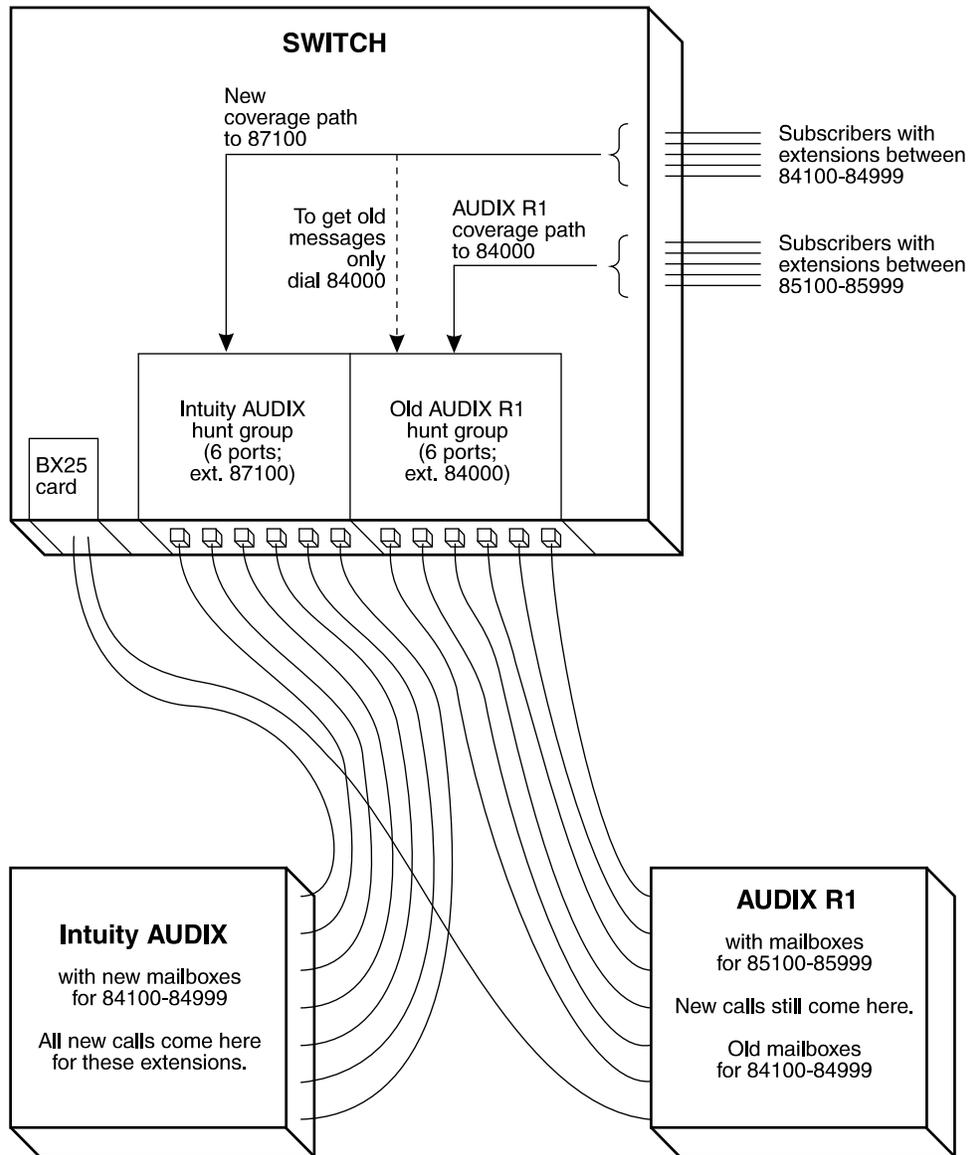


Figure 1-2. Tandem Migration of AUDIX R1 to the INTUITY System

Materials and Information Needed

Have the following materials and information before you start the migration procedures:

- Migration software
- Migration checklist
- A modem connected to the AUDIX R1 system
- A modem connected to the INTUITY system
- These additional books:
 - *INTUITY Platform Administration and Maintenance for Release 3.0*
(585-310-557)
 - Appropriate hardware installation book
 - Appropriate switch installation book
 - *AUDIX Administration Installation*

Migration Checklist

Table 1-1 shows the migration tasks, in the sequence they should occur, for a migration from an AUDIX R1 system to the INTUITY system.

Table 1-1. AUDIX R1 Migration Checklist

Task	Description	✓
1.	Get the AUDIX R1 profile	
2.	Preadminister the INTUITY system	
3.	Define the network machine names	
4.	Set the class-of-service names	
5.	Add and remove a subscriber	
6.	Verify the installed migration software	
7.	Install the migration software (if necessary)	
8.	Set up the migration parameters	
9.	Test the modem connection	
10.	Run the data transfer	
11.	Check the log file	
12.	Verify the transfer of data	
13.	Administer the switch	
14.	Cable the INTUITY system	
15.	Assign a coverage path to the migrated subscribers (<i>tandem migration only</i>)	
16.	Remove the migration software  NOTE: If you will be completing the Enhanced AUDIX R1 migration, do <i>not</i> remove the migration software. This software must left in place in order to complete the enhanced migration.	
17.	Readminister the voice ports on the AUDIX R1 system	

Task 1 - Get the AUDIX R1 Profile

Table 1-2 lists the information you will need from the AUDIX R1 system prior to beginning the migration. If you do not have this information, retrieve it from the AUDIX R1 screens as described below.

Table 1-2. AUDIX R1 Information Needed

AUDIX R1 Screen	Information Needed
system:appearance	<ul style="list-style-type: none"> ■ Minimum password length ■ Name record by subscriber on or off? ■ Multiple personal greetings on or off? ■ Call transfer out of AUDIX R1 on or off? ■ Enhanced call transfer on or off?
system:parameters:outcalling	Outcalling on or off?
traffic:feature:day	Number of subscribers (local and remote)
maintenance:system:vintage	AUDIX R1 software version
list:machine	Networked machine names and voice IDs
list:cos	Class-of-Service names
system:translation:machine	Network machine configurations
system:translation:switch connection	Type of connection

⇒ NOTE:

A printer must be connected to the AUDIX R1 terminal and set to on-line.

1. Log into the AUDIX R1 machine using the *craft* login and password. Enter the terminal type as follows:

Enter **513** for the following terminals:

- 513 BCT
- 610 BCT
- 610 or 615 MT running a 513 emulation package
- 715 BCS
- PC running a 513 emulation package

Enter **5420** for the following terminals:

- 5420
- 4415
- 705
- 610 or 615 MT *not* running a 513 emulation package

⇒ NOTE:

Print the screens using the method which corresponds to your terminal type:

- For a 4410, 4425, or 610 terminal:
 1. Press **CTRL** **F4** to display the screen-labeled print keys.
 2. Press **F3** to print the screen.
 3. Press **CTRL** **F6** to return the screen-labeled keys to their original state.
- For a 715 terminal:
 1. Press **PRINT-SCRN** to print the screen.
- For a 513 terminal:
 1. Press **F10** to display the first layer of screen-labeled keys for the terminal.
 2. Press **F1** to display the screen-labeled print keys.
 3. Press **F7** to print the screen.
 4. Press **F10** and **F5** to return the screen-labeled keys to their original state.

System:Appearance Screen

- At the AUDIX R1 command line, type **sy ap** and press **(F8)** (Enter).
The system responds with the System:Appearance screen (Figure 1-3).

```

PERFS! STATUS:  alarms: MewR, logins: 1, thresholds: none
PATH: system : appearance
login retries: 3          consecutive invalid login attempts: 18
system guest password: 234      minimum password length: 0
input time limits (seconds), normal: 99      wait (*W): 180
full mailbox timeout (seconds) : 5          dial tone detect (seconds) : 0
name recorded by subscriber (y/n)? y        flash transfer delay (seconds): 2
multiple personal greetings (y/n)? y        tone detect interval (1/s): 1
increment (1/s), rewind: a advance: a       priority on call answer (y/n) : y
traffic collection (y/n)? n prime time (24 hour clock), start: 0800 end: 1700
end of message warning, active (y/n)? y     time (seconds): 15
password expiration interval: 0 minimum age: 0 warning: 0
call transfer out of AUDIX feature (y/n)? y enhanced call transfer (y/n)? y
covering extension: 26110                  '0' calls follow coverage (y/n)?n
broadcast mailbox extension: 26099          transfer access code: _____

rescheduling increments
incr 1: 0 days 0 hrs 1 min      incr 2: 0 days 0 hrs 5 min
incr 3: 0 days 0 hrs 5 min      incr 4: 0 days 0 hrs 5 min
incr 5: 0 days 0 hrs 5 min      incr 6: 0 days 0 hrs 5 min
incr 7: 0 days 0 hrs 5 min      incr 8: 0 days 0 hrs 5 min
incr 9: 0 days 0 hrs 5 min      incr10: 0 days 0 hrs 5 min

operation confirmed
    
```

Figure 1-3. AUDIX R1 System : Appearance Screen

- Print the screen.
 - Press **(EXIT)**.
- The system will return to the AUDIX R1 command line.

System:Parameters:Outcalling Screen

1. Type **sy parm out** and press **(F8)** (Enter).

The system responds with the System-Parameters:Outcalling screen (Figure 1-4).

```
AUDIX Active Alarms: MnuA Logins: 2
change system-parameters outcalling Page 1 of 1
SYSTEM-PARAMETERS OUTCALLING

Outcalling Active? n

Start Time End Time Interval Maximum Simultaneous
(hh:mm) (hh:mm) (hh:mm) Ports
1: 00:00 23:59 00:15 1
2: -: -: -: -
3: -: -: -: -

Initial Delay (mins): 0
Maximum Number Digits: 29

enter command: change system-parameters outcalling
```

Figure 1-4. AUDIX R1 System : Outcalling Screen

2. Print the screen.
3. Press **(EXIT)**.

The system will return to the AUDIX R1 command line.

Traffic:Feature:Day Screen

1. Type **t f d** and press **(F8)** (Enter).

The system responds with the Traffic:Feature:Day screen (Figure 1-5).

```
PERFSI STATUS: alarms: MWR, logins: 1, thresholds: none
PATH: traffic : feature : day
starting date (mddy):      ending time (hmm):
(TO SELECT TRAFFIC TYPE ENTER AN x THEN PRESS ENTER)
traffic type, session: _ message: _

max average number of ports in use:
subscribers, local:      remote:      non administered remote:

                VOICE MAIL
successful logins, external:      internal:
failed logins,      external:      internal:
session usage (seconds) :

                CALL ANSWER
completed calls,  external:      internal:
abandoned calls, external:      internal:
session usage (seconds) :

(PRESS ENTER FOR NEXT DAY'S TRAFFIC)
```

Figure 1-5. AUDIX R1 Traffic : Feature : Day Screen

2. Print the screen.
3. Press **(EXIT)**.

The system will return to the AUDIX R1 command line.

Maintenance:System:Vintage Screen

1. Type **m sy v** and press **(F8)** (Enter).

The system responds with the Maintenance:System:Vintage screen (Figure 1-6).

```
PERF51 STATUS: alarms: MewA, logins: 1, thresholds: none
PATH: maintenance : system : vintage
USF
BOARD      VINTAGE      USF      BOARD      VINTAGE      USF      BOARD      VINTAGE
TN591      1             TN501B   9
TN761      2             TN501B   10
            TN501B   10
            TN501B   10
TN716B     1             TN501B   10
            TN501B   10
            TN501B   10
TN511      3             TN501B   10
UN160B     5             TN501B   10
UN162      3
TN533      7             TN500    10             TN714    10
            TN520    15             TN747B   3
            UPT 2     0
            UPT 3     NA
TN727      12
software version: R108 SMALL 8:2-8.2.11
field update number: none
USE ENTER TO PAGE
operation confirmed
```

Figure 1-6. AUDIX R1 Maintenance : System : Vintage Screen

2. Print the screen.
3. Press **(EXIT)**.

The system will return to the AUDIX R1 command line.

List:Machine Screen

1. Type **li m** and press **(F8)** (Enter).

The system responds with the List:Machine screen (Figure 1-7).

```
PERFS1 STATUS: alarms: NewA, logins: 1, thresholds: none
PATH: list : machine

machine name:
(PRESS ENTER TO DISPLAY LIST BEGINNING WITH GIVEN MACHINE NAME)

machine name      machine type      voice id      callback no.
PERFS1           audix             0

operation confirmed
```

Figure 1-7. AUDIX R1 List : Machine Screen

2. Print the screen.
3. Press **(EXIT)**.

The system will return to the AUDIX R1 command line.

List: COS Screen

1. Type **l c** and press **(F8)** (Enter).

The system responds with the List: COS screen (Figure 1-8).

```
PERF51 STATUS: alarms: MWR, logins: 1, thresholds: none
PATH: list : cos
class of service names
  default: def
1: light10  2: medium10  3: heavy10  4: bulletin
5: light30  6: medium30  7: heavy30  8: class8
9: class9   10: class10  11: class11
operation confirmed
```

Figure 1-8. AUDIX R1 List : COS Screen

2. Print the screen.
3. Press **(EXIT)**.

The system will return to the AUDIX R1 command line.

System:Translation:Machine Screen

1. Type **sy tr m au** and press **(F8)** (Enter).

The system responds with the System:Translation:Machine screen (Figure 1-9).

```

PERFSI STATUS:  alarms: MmWA, logins: 1, thresholds: none
PATH: system : translation : machine : audix/amis/call delivery
machine name: _____ local/remote: _____ password: _____ ext length: ___
voiced name (y/n)? _ voice id: _____ AMIS callback no.: _ (1, 2, 3, 4, or 5)
default community: _ connection type: _____ data rate: _____ channel: _
dial string: _____
address ranges (prefix      start      / end extension)  warnings
1: _____      _____ / _____
2: _____      _____ / _____
3: _____      _____ / _____
4: _____      _____ / _____
5: _____      _____ / _____
6: _____      _____ / _____
7: _____      _____ / _____
8: _____      _____ / _____
9: _____      _____ / _____
10: _____     _____ / _____
message transmission schedule (hh:mm)
1. start: __ : __ end: __ : __ interval: __ : __ updates (y/n)? in _ out _
2. start: __ : __ end: __ : __ interval: __ : __ network turnaround (y/n)? _
3. start: __ : __ end: __ : __ interval: __ : __ log connect events (y/n)? _
new machine name: _____ send to non-administered recipients (y/n)? _
    
```

Figure 1-9. AUDIX R1 System : Translation : Machine Screen

2. Print the screen.
3. Press **(EXIT)**.

The system will return to the AUDIX R1 command line.

System:Translation:Switch Connection Screen

1. Type **sy tr sw** and press **(F8)** (Enter).

The system responds with the System:Translation:Switch Connection screen (Figure 1-10).

```
PERFSI STATUS: alarms: MmWA, logins: 1, thresholds: none
PATH: system : translation : switch connection
connection type (dci-u-sci/smsi/bri-api/s11/sid/stand-alone): stand-alone
(PRESS CHANGE TO MODIFY CONNECTION TYPE, NEW FIELDS WILL BE DISPLAYED)

      (THE FOLLOWING FIELDS APPLY ONLY TO STAND-ALONE)

voice port disconnect timing (milliseconds): 400
is line quality high (y/n)? y ground start (y/n)? n
call answer timeout (seconds): 5
timeout treatment (m/n/t) : n extension: _____
automated attendant extension: _____
MWI access codes, on: _____ off: _____

      port call type (c/u/a/m)
1- 8: u u u u u u c c
9-16: - - - - - - - -
17-24: - - - - - - - -
25-32: - - - - - - - -

host switch: 2      AUDIX: 1
operation confirmed
```

Figure 1-10. AUDIX R1 System : Translation : Switch Connection Screen

2. Print the screen.
3. Press **(EXIT)** .
The system will return to the AUDIX R1 command line.
4. Press **(CTRL) (D)** to log off.

Collect all of the printed screens from the printer.

Task 2 - Preadminister the INTUITY System

Before you transfer data from the AUDIX R1 to the INTUITY system, you must ensure that the INTUITY system is preadministered to match the AUDIX R1 system for:

- Extension length
- Number of local subscribers and administered remote subscribers
- Range of extensions
- Outcalling

Log on to the INTUITY AUDIX system using the *craft* login. The INTUITY Administration menu will be displayed.

Outcalling

1. Enter **ch sy o**.

The system responds with the System-Parameters Outcalling screen (Figure 1-11).



Figure 1-11. System-Parameters Outcalling Screen

2. Move the cursor to the Outcalling Active? field.

- Using the print out of the AUDIX R1 System:Parameters:Outcalling screen, verify that the value in the `Outcalling Active` field matches the value in the `Outcalling Active` field on this screen.

If they match, go to step 6.

- If this field does not match, change the value on the INTUITY system so that both `Outcalling Active` fields match.
- Press `F3` (Save) to save your changes.

The cursor returns to the command line, and the message `command successfully completed` appears.

- Enter **exit**.

The system returns to the INTUITY Administration menu.

Number of Local and Administered Remote Subscribers

- Enter **ch sy lim**.

The system responds with the System-Parameters Limits screen (Figure 1-12).

```
AUDIX Active Alarms: NewA Logins: 2
change system-parameters limits Page 1 of 1
SYSTEM-PARAMETERS LIMITS
MESSAGE LIMITS
Message Lengths, Maximum (seconds): 1200 Minimum (tenths of seconds): 10
Messages, Total In All Mailboxes: 50000 Awaiting Delivery: 5000
ADMINISTRATION LIMITS
Subscribers, Local: 1500 Administered Remote: 1000
Lists, Total Entries: 50000 Lists/Subscriber: 100 Recipients/List: 250
enter command: change system-parameters limits
```

Figure 1-12. System-Parameters Limits Screen

2. Compare the number in the `Subscribers, Local` field to the number in the `Subscribers:Local` field on the printout of the AUDIX R1 `Traffic:Feature:Day` screen.
3. Press `(TAB)` to move the cursor to the `Subscribers, Local` field. Enter a number that *exceeds* the number in the `Subscribers:Local` field on the AUDIX R1 system *by 25%*.
4. Press `(F3)` (Save) to save the new subscriber limits.
The message `command successfully completed` appears and the cursor returns to the command line.

Range of Extensions

1. Enter `change machine machine-name`.



NOTE:

Machine-name is the name that appears in the upper-left corner of the screen. If you do not enter a machine name, the system will automatically select the local machine.

The system responds with the Machine Profile screen (Figure 1-13).

```
AUDIX Active Alarms: MnuA Logins: 2
change machine Page 1 of 2
MACHINE PROFILE
Machine Name: local Type: local Location: local
Voiced Name? n Extension Length: 5
Voice ID: 0 Default Community: 1
ADDRESS RANGES
Prefix Start Ext. End Ext. Warnings
1: _____ 00000 99999 _____
2: _____ _____ _____ _____
3: _____ _____ _____ _____
4: _____ _____ _____ _____
5: _____ _____ _____ _____
6: _____ _____ _____ _____
7: _____ _____ _____ _____
8: _____ _____ _____ _____
9: _____ _____ _____ _____
10: _____ _____ _____ _____
enter command: change machine.
```

Figure 1-13. Machine Profile Screen

- Verify that the `Start Ext.` and `End Ext.` fields contain the number of digits equal to the extension length on the AUDIX R1. For example, if the extension length is 5, the `Start Ext.` column should contain 5 digits (example: 00000) and the `End Ext.` column should contain 5 digits (example: 99999).

If the digits in the `Start Ext.` and `End Ext.` fields do not have the correct number of digits, type the correct number of zeros in the `Start Ext.` field and the correct number of nines in the `End Ext.` field.

- Press `F3` (Save) to save the new start and end extensions.

The message `command successfully completed` appears, and the cursor returns to the command line.

Extension Length

- From the INTUITY Administration menu, select the Switch Interface Administration menu option.

The system responds with the Switch Interface Administration screen (Figure 1-14).

```

Switch Interface Administration
Switch Link Type: DCIU           Switch Release: System 75 type
Extension Length: 4
Host Switch Number: 1
AUDIX Number: 1

          HOST SWITCH LINK ASSIGNMENTS
Switch   AUDIX Port
Number  Logical Switch   Switch   AUDIX Port
      Channel Port           Number  Logical Switch
      Channel Port           Number  Channel Port
1         1      59           2
3
5
7
9
11
13
15
17
19
          4
          6
          8
         10
         12
         14
         16
         18
         20
    
```

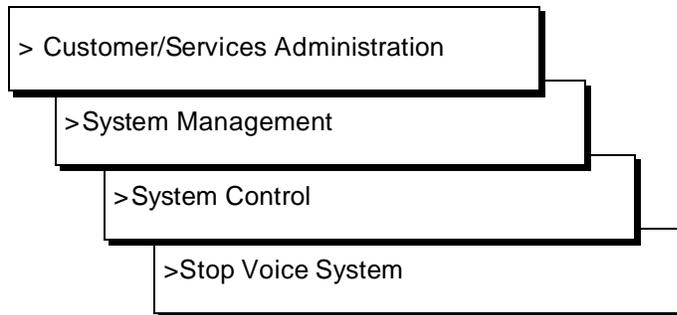
extension length ranges from 3 to 5

1 `HELP` 2 `CHOICES` 3 `SAVE` 4 `PREV-FRM` 5 `NEXT-FRM` 6 `CANCEL` 7 8 `CHG-KEYS`

Figure 1-14. Switch Interface Administration Screen

- Compare the `Extension Length` field on the Switch Interface Administration screen and the `Ext Length` field on the AUDIX R1 System:Translation: Machine screen printout.

3. If the extension length matches, press **F6** (Cancel) and go to step 12.
If the extension length does not match, press **TAB** to move the cursor to the `Extension Length` field, and enter the extension length on the AUDIX R1 system.
4. Press **F3** (Save) to temporarily save the extension length change and continue with step
The message `command successfully completed` appears. You will then return to the INTUITY Administration menu.
5. If you changed the extension length, you must shutdown and restart the voice system to fully implement the change. Select:



6. The system responds:
Enter y to continue, n to quit.
7. Enter **y**.
The following text appears on the screen:

The Voice System is now stopping.

Initiating request to clear all calls in the next 180 seconds.

Orderly idling of system succeeded
The AUDIX(R) module is being stopped. Please wait.
.....



CAUTION:

You cannot access the AUDIX Administration screens while the voice system is stopped or shut down.

8. At the prompt, Press RETURN to continue, press **(ENTER)**.

The System Control menu appears.

9. Select Start Voice System.

The new extension length is stored for use. The following text appears on the screen to verify the system has restarted.

**The Voice System is starting
Start shlock
time segment is being locked 0
Sharemem has been locked**

Startup of the Voice System is complete

Press Enter to continue . . .

10. Press **(ENTER)** to return to the System Control menu.
11. Press **(F6)** (Cancel) to return to the INTUITY Administration menu.
12. Select AUDIX Administration.

Task 3 - Define the Network Machine Names

Before the data transfer, you must define in the INTUITY AUDIX system the following for any AUDIX R1 networked machines:

- Machine names
- Dial strings

In addition, you *must* enter:

- Machine names in the order of the voice IDs assigned to each machine on the AUDIX R1 List:Machine screen.
- Placeholder machine names for any machines the customer plans to omit from the network. This keeps the voice IDs the same for the machines that remain in the network.

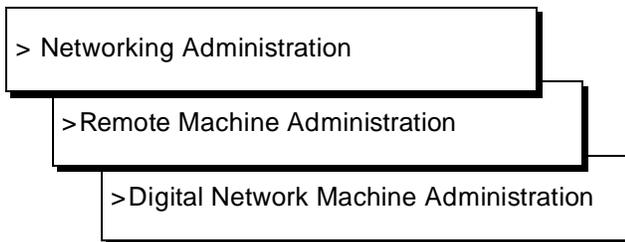
CAUTION:

If you enter network machine names out of sequence or with the wrong voice IDs and then proceed with the data transfer, the network will operate improperly. To fix the problem, you will have to enter the machine names again and rerun the data transfer for remote subscribers.

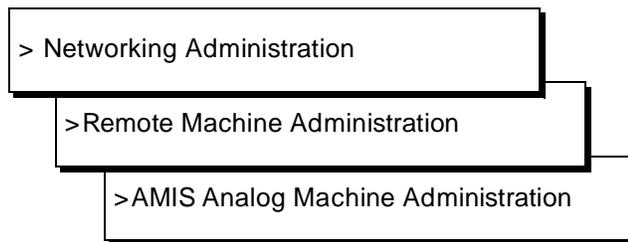
NOTE:

You must enter all digital network machine names as well as Audio Messaging Interchange Specification (AMIS) machine names into the INTUITY system prior to the data transfer. However, only AMIS subscriber data transfers from the AUDIX R1 system to the INTUITY system. *Be sure to advise the customer that as a result, the customer must run the **get remote update** command on each digitally-networked machine to recapture remote subscriber data.*

1. From the INTUITY Administration menu, select either of the following sequences of menu options based on the customers' type of networking.



OR



The system responds with the selected network machine administration screen.

2. Using the *INTUITY AUDIX Digital Networking Administration* or *AMIS Analog Networking* book, administer the networked machines.

⇒ NOTE:

You may need to alternate between the AMIS and digital administration screens if the sequence of voice IDs alternates between the AMIS and digital network machines on the AUDIX R1 system.

3. Press **F6** (Cancel) three times to return to the INTUITY Administration menu.

Task 4 - Set the Class-of-Service Names

1. From the INTUITY Administration menu, select:

> AUDIX Administration

2. Enter **ch c *cos-number***.



NOTE:

Cos-number is a class-of-service number from 0 to 11.

The system responds with the Class-Of-Service screen (Figure 1-15).

```

AUDIX           Active           Alarms: NewA           Logins: 2
change cos 1                                         Page 1 of 2
                                     CLASS OF SERVICE
                                     Name: light10           COS Number: 1           Modified? y
Addressing Format: extension
                                     Login Announcement Set: System
System Multilingual is ON           Call Answer Primary Anno. Set: System
Call Answer Language Choice? n     Call Answer Secondary Anno. Set: System
PERMISSIONS Type: call-answer       Announcement Control? n
Outcalling? n                       Priority Messages? y     Broadcast: none
IMAPI Access? n                     IMAPI Voice File Transfer? n     Fax? n
enter command: change cos 1
    
```

Figure 1-15. Class Of Service Screen

3. Enter the AUDIX R1 name in the Name field for this class of service number.

4. Press **F3** (Save) to add the name.

The message: `command successfully completed` appears.

⇒ NOTE:

This procedure uses the defaults for the remaining fields.

5. Repeat Steps 2 through 4 for each class of service number.
6. Press **F6** (Cancel) to return to the AUDIX Administration menu.

Task 5 - Add and Remove a Subscriber

Test the ability to add and remove subscribers on the INTUITY system in order to verify that the system is ready to accept the migrated subscriber data.

1. Enter **add su**.

The system responds with the Subscriber screen (Figure 1-16).

```
AUDIX Active Alarms: NewA Logins: 3
display subscriber 18001 Page 1 of 2
SUBSCRIBER
Name: Anderson, Michael Locked? n
Extension: 18001 Password:
COS: custom Miscellaneous:
Switch Number: 0 Covering Extension:
Community ID: 1 Broadcast Mailbox? n
Secondary Ext:
enter command: display subscriber 18001
```

Figure 1-16. Subscriber Screen

2. Enter **test-3** in the Name field.
3. Press (TAB) to move to the Extension field.
4. Enter the extension number for the first test subscriber.



NOTE:

This procedure uses the defaults for the remaining fields.

5. Press (F3) (Save) to add the subscriber.

The message: `command successfully completed` appears and the system returns to the command line.

6. Enter **rem su test-3**.

The Subscriber screen appears showing data for subscriber *test-3*.

7. Press **F3** (Save) to remove the subscriber.

The message: `command successfully completed` appears and the system returns to the command line.

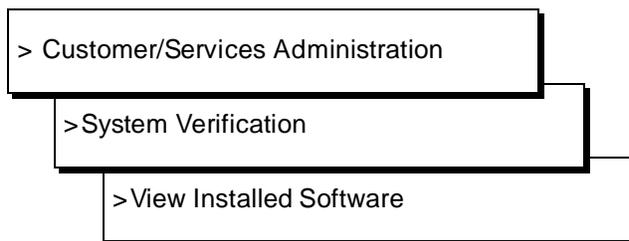
8. Enter **exit**.

The system returns to the INTUITY Administration menu.

Task 6 - Verify the Installed Migration Software

The INTUITY system uses the migration software to call up the AUDIX R1 machine, retrieve data, and format the data for use by the INTUITY AUDIX system. The migration software may already be installed on the INTUITY machine. You can verify the installed software by completing the following:

1. Starting at the INTUITY Administration menu, select:



The system responds with the View Installed Software screen (Figure 1-17).

```

View Installed Software
Displaying pkginfo for all packages installed on this system...
application IUC601      AT&T Intuity IUC6 Device Interface for
softFAX 2.0
application UM         AUDIX(R) Module marker file
intuity UM-dftdb       AUDIX(R) Default db
intuity UM-files       AUDIX(R) Files
intuity UM-sw          AUDIX(R) Software
intuity UM-upg         AUDIX(R) Upgrade
Intuity VoiceCalc     Interactive Voice Calculator
system acp             Enhanced Application Compatibility
system auds            AUDIX File system
    
```

Figure 1-17. View Installed Software Screen

2. Search for the following items:

mig **Migrations**

⇒ NOTE:

These items may not be listed together. Press **(NEXTPAGE)** to page down and press **(PREVPAGE)** to page up through the list.

3. If the item is listed, go to Task 8 - Set Up the Migration Parameters. If these items are *not* listed, go to Task 7 - Install the Migration Software.

Task 7 - Install the Migration Software

If the migration software has not already been installed on the INTUITY machine, you can install the software by doing the following:

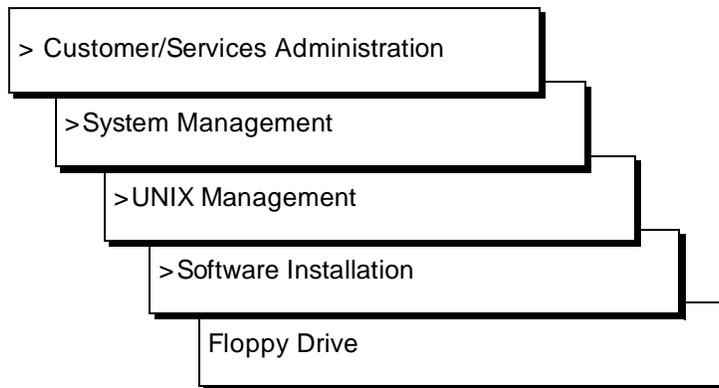
1. Locate the AUDXI R1 migration floppy disk.



NOTE:

This disk was shipped with the INTUITY system.

2. Starting at the INTUITY Administration menu, select:



The system responds with the following prompts:

**Insert a diskette into Floppy Drive 1.
Type [go] when ready
or [q] to quit: (default: go)**

3. Insert the migration diskette into the floppy drive.

4. Press **ENTER**.

The system responds:

Insert diskette into Floppy Drive 1.

**Type [go] when ready,
or [q] to quit: (default: go) go**

Installation in progress. Do not remove the diskette.

The following packages are available:

**1 mig Migrations
(AUDIX) R1.1**

**Select the package(s) you wish to process (or "all" to process
all packages). (default: all) [?,??,q]: 1**

5. Enter 1.

The system responds by installing the software. While the software is being installed, the system lights the LED on the floppy disk drive.

When the system is finished installing the software, the cursor returns to the Floppy Drive menu option on the Software Install menu.

6. Remove the diskette from the floppy drive.
7. Press **F6** (Cancel) until you log out of the system.
8. Log back on to the INTUITY system using the *craft* login.



NOTE:

The system does not display the Transfer Data from AUDIX R1 menu option on the Migrations menu until you log back on to the INTUITY system using the *craft* login.

Task 8 - Set Up the Migration Parameters

You must set up migration parameters to tell the migration program how to:

- Dial up and log on to the AUDIX R1 system
- Identify the version of the AUDIX R1 system
- Identify the subscribers whose data should be transferred

⇒ NOTE:

In a standard migration, you will identify all subscribers on the AUDIX R1 system to be transferred. In a tandem migration, you will identify one or more ranges of subscriber extensions to be transferred.

1. From the INTUITY Administration menu (Figure 1-18), select the Migrations menu option.

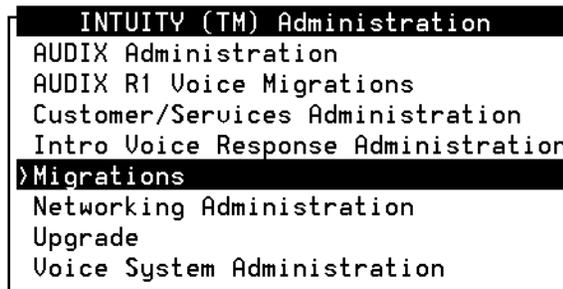


Figure 1-18. INTUITY Administration Menu

The system responds with Migration menu (Figure 1-19).

```
**** Migration ****
1) Transfer data from AUDIX R1
2) Transfer data from AUDIX Voice Power
3) Transfer data from DEFINITY AUDIX
4) Install Default Database
5) Remove Voiced Names
6) Exit
Select option ( ) [ 1 ] :
```

Figure 1-19. Migration Menu

2. Enter 1.

The system responds:

Migrating to Intuity AUDIX R3.2. Press Enter to continue

3. Press .

The system responds with the AUDIX R1 Migration Using ADAP menu (Figure 1-20).

```
**** Migration ****
1) Transfer data from AUDIX R1
2) Transfer data from AUDIX Voice Power
3) Transfer data from DEFINITY AUDIX
4) Install Default Database
5) Remove Voiced Names
6) Exit
Select option ( ) [ 1 ] :
```

Figure 1-20. AUDIX R1 Migration Using ADAP Menu

4. Enter 1.

The system responds with a series of data entry prompts (Figure 1-21).

```

3) Begin Migration
4) Display Status
5) Display Logfile
6) Abort Migration
7) Restart Migration
8) Logout

Select option () [ 4 ] : 1
Migration was aborted before. Would you like to start all over? () [ n ] : y
phone number () [ 4069 ] :
baud rate (1200 2400 4800) [ 1200 ] :
login () [ ap ] :
password () [ ] :
Please re-enter password
password () [ ] :
software release (riu5 riu6 riu7 riu8) [ riu7 ] :
default subscriber password () [ ] :
Please re-enter password
default subscriber password () [ ] :
beginning local subscriber () [ 18001 ] :
ending local subscriber (0 means no subscribers) [ 27000 ] :
AMIS remote subscribers (y) [ n ] :

Are these values correct (y n) [ n ] : y
    
```

Figure 1-21. Data Entry Prompts

⇒ NOTE:

To exit the Set Up Parameters prompts at any time during this data entry, press **(DELETE)**. You will return to the INTUITY Administration menu.

5. Enter data for each prompt as follows. The default values (or the most recent values if you are restarting the transfer) appear in brackets []. If you want to use a value appearing in brackets, press **(ENTER)** at the prompt:

- Phone number
Enter the phone number (remote access port #) of the AUDIX R1 system. Precede any number external to the local switch with the digit **9** or any other administered dial-out code.
- Baud rate
Enter the baud rate of the AUDIX R1 modem.
- Login
Enter the AUDIX R1 *craft* login.
- Password
Enter the AUDIX R1 password for the *craft* login.

- Please re-enter password
password () []
Re-enter the password for the *craft* login.
- Software release
Enter **R1V5**, **R1V6**, **R1V7**, or **R1V8**, depending on the software version of the AUDIX R1 system. This information is available on the printout of the AUDIX R1 Maintenance:System:Vintage screen.
- Default subscriber password
Enter the default password that subscribers on the INTUITY system should first use to log into the system. The customer system administrator should give you this password.

⇒ NOTE:

Remind the customer to set the minimum password length to force subscribers to change the default password.

- Please re-enter password
default subscriber password
Enter the default password again.
- Beginning local subscriber
For a standard migration, enter the lowest extension number in your dialing plan. With a five-digit dialing plan, 00000 would be the lowest extension you could enter. For a tandem migration, enter the lowest extension number in the range of subscribers whose data you are transferring.
- Ending local subscriber
For a standard migration, enter the highest extension number in your dialing plan. With a five-digit dialing plan, 99999 would be the highest extension you could enter. For a tandem migration, enter the highest extension number in the range of subscribers whose data you are transferring.
- AMIS remote subscribers
Enter **y** if the AUDIX R1 system has AMIS subscribers who are transferring. If there are no AMIS subscribers, enter **n**.
- Are these values correct
Enter **y** if the values are correct. If any of these values are incorrect, enter **n** and enter the correct values.

6. Press **(ENTER)**.

The cursor returns to the *Select Option* field on the AUDIX R1 Migration Using ADAP menu.

Task 9 - Test the Modem Connection

After you have set up the migration parameters, test the modem connection. This step is optional, but you will save time if you discover a dial-up problem before you begin the data transfer.

1. Select option 2, Connectivity Test.

The system responds with the following message:

```
Copyright (C) AT&T 1993. All rights reserved.  
START AT Mon Nov 29 19:11:17 1993
```

When the test is complete, the following message appears

```
Intuity machine-name Intuity machine-name exit with status:  
SUCCESS
```

2. Press **ENTER**.

The cursor returns to the `Select Option` field on the AUDIX R1 Migration Using ADAP menu.

⇒ NOTE:

If the test fails, ensure that the modem is properly plugged into the COM2 port, the power is on, and the correct options are set. If you continue to have trouble, contact your remote maintenance center.

Task 10 - Run the Data Transfer

You must run the data transfer to move AUDIX R1 subscriber data to the INTUITY system. The transfer of data can take several hours, depending on the number of subscribers whose data is transferring. An approximate estimate of time is 120 subscribers per hour at 1200 baud and 480 per hour at 4800 baud.

⇒ NOTE:

Before you start the data transfer, notify the customer that they should not add, change, or delete any subscribers while the transfer is occurring.

1. Select option **3**.

The system responds with the following:

Delay in minutes before starting migration ()

2. Enter **0**.

⇒ NOTE:

Entering a number greater than 0 tells the system to wait for the specified time before beginning the transfer of data. This capability exists primarily so that the remote maintenance center can start the migration remotely.

The system responds with the following selections (Figure 1-22):

```
==== AUDIX R1 Migration Using ADAP ====
1) Setup Parameters
2) Connectivity Test
3) Begin Migration
4) Display Status
5) Display Logfile
6) Abort Migration
7) Restart Migration
8) Logout

Select option ( ) [ 1 ] : 3
Delay in minutes before starting migration ( ) [ 0 ] : 0

migration started
Hereafter, choose option 4 to check the status of migration
Choose option 5 to check for any errors
Choose option 6 to abort migration

Press enter to continue...
```

Figure 1-22. AUDIX R1 Migration Using ADAP Screen

3. Press **ENTER**.

The messages disappear, and the cursor returns to the `Select Option` field.

 **CAUTION:**

Do not reboot or shut down the machine or disconnect the power while the transfer is in progress. Doing so will force you to restart the transfer from the beginning.

4. Select option **5** to verify that the connection through the switch was successful.

The system responds with the Log File (Figure 1-23), which begins to scroll at the bottom of the screen.

```
6) Abort Migration
7) Restart Migration
8) Logout

Select option ( ) [ 4 ] : 5
UK:cat: ERROR: Cannot open /tmp/mig_lines: No such file or directory
UK:cat: ERROR: Cannot open /tmp/mig_lines: No such file or directory
Copyright (C) AT&T 1993. All rights reserved.
START AT Mon Jan 16 15:26:26 1995

alogin: connect SUCCESSFUL, going on to login.

password:
Proper baud rate established, logging in...

login id / password invalid
login: ap
password:
terminal code: pc
Kermit communications server beginning...Intuity cbueuswX Intuity cbueuswX Intui
ty cbueuswX Mon Jan 16 15:27:10 EST 1995
Intuity cbueuswX Intuity cbueuswX Intuity cbueuswX )
(EOF):
```

Figure 1-23. Log File Display

5. Verify that the connection was successful.
6. Press **(ENTER)**.

The bottom of the screen goes blank, and the cursor returns to the Select Option field.

Check the Status of the Data Transfer

You can check the status of the data transfer to see that it is continuing to run and to anticipate when the transfer will finish.

The transfer of data occurs in two phases. In the first phase, the AUDIX R1 system transfers the following data to the INTUITY system:

- Class-of-service data
- Subscriber lists
- Subscriber data

As each type of data is transferred, the screen increments the count so that you can see the progress being made.

In the second phase, the AUDIX R1 data is converted into a format that the INTUITY system can use. After all data has successfully transferred, the screen increments the count for each type of data conversion.

To check the data transfer status:

1. Select option **4**, Display Status.

The system responds with the data transfer status information (Figure 1-24).

```
==== AUDIX R1 Migration Using ADAP ====
1) Setup Parameters
2) Connectivity Test
3) Begin Migration
4) Display Status
5) Display Logfile
6) Abort Migration
7) Restart Migration
8) Logout

Select option ( ) [ 4 ] :
Migration Completed

ITEM                STATUS                COUNT
-----
Get Class Of Service Completed                12
Get Subscriber List  Completed                120
Get Subscriber Info  Completed                 8
Convert COS          Completed                12
Convert Local Subscribers Completed                 8
Press enter to continue...
```

Figure 1-24. Data Transfer Status

2. The following fields are used to verify the number of items being migrated for a particular parameter and the status of the parameter migration.
 - The `Get Class Of Service` field is used to indicate the number of class-of-service parameters being migrated and the status of the migration.
 - The `Get Subscriber List` field is used to indicate the number of subscribers being migrated and the status of the subscriber migration.

- The `Get Subscriber Info` field is used to indicate the number of subscribers for which data is being transferred and the status of the transfer.
 - The `Convert COS` field is used to indicate the number of class-of-service parameters being converted and the status of the conversion.
 - The `Convert Local Subscribers` field is used to indicate the number of local subscriber being converted and the status of the conversion.
3. When all data has been successfully transferred and converted, the message `Data transfer complete` appears.

⇒ NOTE:

If the data transfer encounters problems, you may have to stop and restart the transfer. See the sections, "Stop the Data Transfer" and "Restart the Data Transfer".

4. Press `(ENTER)`.

The system responds by returning to the AUDIX R1 Migration Using ADAP menu.

Stop the Data Transfer

If the data transfer encounters problems, you may have to stop the transfer.

1. Select option **6**, Abort Migration.

The system responds by stopping the data transfer and displays the message, `Migration aborted`.

2. Press `(ENTER)`.

The system will return to the AUDIX R1 Migration menu.

⇒ NOTE:

The system saves the data up to the point of the last completed step. However, if you stop the transfer in the middle of the `Get Subscriber Info` transfer, the `Get Subscriber List` data is *not* saved.

Restart the Data Transfer

Once the data transfer has been stopped, and any encountered problems investigated, it can then be restarted.

1. Select Option **7**, Restart Migration.

The system responds with a list of restart options (Figure 1-25).

```
==== AUDIX R1 Migration Using ADAP ====

1) Setup Parameters
2) Connectivity Test
3) Begin Migration
4) Display Status
5) Display Logfile
6) Abort Migration
7) Restart Migration
8) Logout

Select option () [ 4 ] : 7
Pass  Description
1      same as begin migration
2      skip COS retrieval
3      skip COS and local subscriber retrieval
4      skip COS, local and remote subscriber retrieval
      (rerun data conversion step only/no connection needed)

pass () [ 1 ] : █
```

Figure 1-25. Migration Restart Options

2. Select the option associated with the point at which you stopped the data transfer.

The system responds with the prompt `Delay in minutes before starting migration ()`.

3. Enter **0** to restart the transfer immediately or enter a number to specify how many minutes from now the transfer should restart.

The system responds with the message `Migration restarted`.

4. Press `ENTER`.

The system returns to the AUDIX R1 Migration Using ADAP menu.

Chapter A, "Migration Error Codes", contains a complete list of migration error codes. Table 1-3 lists the most common errors for this migration.

Table 1-3. Common Migration Error Codes

Code	Meaning
6	Bad data. The values are outside the permitted range.
61	The extension lengths of AUDIX R1 and INTUITY AUDIX do not match.
1023	The value is out of range.
1025	The extension already exists in the INTUITY system.
bad field	Quotation marks appear in a subscriber's data.

3. Once you reach the end of the log file, EOF appears.
4. Press **ENTER** twice to exit the file.
The system returns to the AUDIX R1 Migration Using ADAP menu.
5. Enter **8** to return to the Migrations menu.
6. Press **ENTER**.

The system responds with the Migration menu (Figure 1-27).

```
==== Migration ====
1) Transfer data from AUDIX R1
2) Transfer data from AUDIX Voice Power
3) Transfer data from DEFINITY AUDIX
4) Install Default Database
5) Remove Voiced Names
6) Exit
Select option () [ 1 ] :
```

Figure 1-27. Migration Menu

7. Enter **5**.

The system responds with the INTUITY Administration menu.



NOTE:

You can exit the migration program at any time before, during, or after the data transfer is complete. To exit the log file before you reach the end, enter **q**.

3. Press the keys appropriate to your terminal to print the screen.
 - a. For a 513 terminal:
 1. Press **F10** to display the first layer of screen-labeled keys for the terminal.
 2. Press **F1** to display the screen-labeled print keys.
 3. Press **F7** to print the screen.
 4. Press **F10** and **F5** to return the screen-labeled keys to their original state.
 5. Display any additional pages of the logfile and repeat steps a through d.
 - b. For an AT&T386 console, a 715 terminal, or G3-MA:
 1. Press **PRINT-SCRN** to print the screen.
4. Once the screens have been printed, enter **8** to return to the Migrations menu.

The system responds with the message `Press enter to continue.`
5. Press **ENTER**.

The system responds with the Migration menu (Figure 1-29).

```
==== Migration ====
1) Transfer data from AUDIX R1
2) Transfer data from AUDIX Voice Power
3) Transfer data from DEFINITY AUDIX
4) Install Default Database
5) Remove Voiced Names
6) Exit
Select option () [ 1 ] :
```

Figure 1-29. Migration Menu

6. Enter **5**.

The system responds with the INTUITY Administration menu.

Task 12 - Verify the Transfer of Data

Once the data transfer is complete, you must verify that the subscriber data has transferred successfully. To verify the transfer of subscribers, you should check the following:

- List of subscribers
- List of remote subscribers (if any)
- Two class-of-service numbers
- Six subscriber extensions (well-spaced throughout the range of extensions you transferred)
- Six remote AMIS subscribers (if any)

At the INTUITY Administration menu, select AUDIX Administration.

The system responds with a blank AUDIX Administration screen (Figure 1-30).



Figure 1-30. Audix Administration Screen

List of Subscribers

1. Enter **li e**.

The system responds with the List Extension screen (Figure 1-31).

```
AUDIX Active Alarms: NewA Logins: 3
list extensions Page 1
LIST EXTENSION
Extension Name
1111 tester 1
1234 sheela
18001 Anderson, Michael
18002 Anderson, Mike
18003 Anderson, Michelle
18004 Anderson, Hans Christian
18900 Anderson, Milly
18901 Anderson, Micky
18906 Anderson, Nichole
18908 Anderson, Mickey
18909 Anderson, Miriam
18910 Anderson, Mirana
22000 Mig Sub 1
22004 Migration Sub 6
22005 Migration Sub 4
Press [NextPage], [PrePage] or [Cancel]
enter command: list extensions
```

Figure 1-31. List Extension Screen

2. To approximate the number of subscribers in the list, check the number of pages shown in the upper right of the screen and multiply the number by 19. If the total is less than 90% of the subscribers on the AUDIX R1, you may need to manually fix some entries or rerun the data transfer. Refer to Task 11 - Check the Log File procedure for further information.
3. Press **(F1)** (Cancel) to return to the command line.

List of Remote Subscribers

1. Enter **di re name**.



NOTE:

Name is the name of a remote subscriber you are checking.

The system responds with the Remote Subscriber screen (Figure 1-32).

```
AUDIX          Active          Alarms: m          Logins: 6
change remote-subscriber aptinv1 2001          Page 1 of 1
          REMOTE SUBSCRIBER

          Name:          Extension: 2001
          Address: 1232001

Community ID: 1          Administered? n
Voiced Name? n          Non-Administered Type: verified

Last Usage Date: 11/07/93

          Machine Names
          aptinv1
```

```
enter command: change remote-subscriber aptinv1 2001
1Cancel 2Refresh 3Enter 4ClearFld 5Help 6Choices 7NextPage 8PrevPage
```

Figure 1-32. Remote Subscriber Screen

2. Check that all of the data on the screen is correct. If any of the data is incorrect, you may to manually add the data or you may need to rerun the data transfer. Refer to Task 11 - Check the Log File procedure for further information.
3. Repeat steps 16 and 17 for five other remote subscribers.
4. Press **(F1)** (Cancel) to return to the command line.

Class-of-Service Numbers

1. Enter **di cos *cos-number***.

⇒ NOTE:
Cos-number is a class-of-service number you are checking.

The system responds with the Class of Service screens (Figure 1-33 and Figure 1-34).

```
AUDIX Active Alarms: NewA Logins: 2
display cos def Page 1 of 2
CLASS OF SERVICE
Name: def COS Number: 0 Modified? y
Addressing Format: extension
Login Announcement Set: System
System Multilingual is ON Call Answer Primary Annc. Set: System
Call Answer Language Choice? n Call Answer Secondary Annc. Set: System
PERMISSIONS Type: call-answer Announcement Control? n
Outcalling? n Priority Messages? y Broadcast: none
IMAPI Access? y IMAPI Voice File Transfer? y Fax? n
enter command: display cos def
```

Figure 1-33. Class of Service Screen 1

```
RUDIX Active Alarms: MWR Logins: 2
display cos def Page 2 of 2
CLASS OF SERVICE

INCOMING MAILBOX Order: fifo Category Order: nuo
Retention Times (days), New: 500 Old: 500 Unopened: 500

OUTGOING MAILBOX Order: fifo Category Order: funda
Retention Times(days),File Cab: 10 Delivered/Nondeliverable: 5

Voice Mail Message (seconds), Maximum Length: 224 Minimum Needed: 120
Call Answer Message (seconds), Maximum Length: 120 Minimum Needed: 40

End of Message Warning Time (seconds): 0

Maximum Mailing Lists: 25 Total Entries in all Lists: 250
Mailbox Size (seconds), Maximum: 3600 Minimum Guarantee: 0

enter command: display cos def
```

Figure 1-34. Class of Service Screen 2

2. Check that all of the data on the screens is correct. If the data is incorrect, you may need to rerun the data transfer. Refer to Task 11 - Check the Log File procedure for further information.
3. Repeat steps 8 and 9 for another class-of-service number.
4. Press (F1) (Cancel) to return to the command line.

Subscriber Extensions

1. Enter **di su *extension***.



NOTE:

Extension is a subscriber extension you are checking.

The system responds with the Subscriber screens (Figure 1-35 and Figure 1-36).

```
AUDIX Active Alarms: NewA Logins: 3
display subscriber 18001 Page 1 of 2
SUBSCRIBER
Name: Anderson, Michael Locked? n
Extension: 18001 Password:
COS: custom Miscellaneous:
Switch Number: 0 Covering Extension:
Community ID: 1 Broadcast Mailbox? n
Secondary Ext:

enter command: display subscriber 18001
```

Figure 1-35. Subscriber Screen

```

RUDIX           Active           Alarms: MnuA           Logins: 3
display subscriber 18001           Page 2 of 2
SUBSCRIBER CLASS OF SERVICE PARAMETERS
Addressing Format: extension
System Multilingual is ON           Login Announcement Set: System
Call Answer Language Choice? n      Call Answer Primary Annc. Set: System
Call Answer Secondary Annc. Set: System
PERMISSIONS Type: call-answer       Announcement Control? y
Outcalling? n                       Priority Messages? n     Broadcast: none
IHAPI Access? y                     IHAPI Voice File Transfer? y Fax? n
INCOMING MAILBOX                     Order: fifo             Category Order: nua
Retention Times (days), New: 10     Old: 10                 Unopened: 10
OUTGOING MAILBOX                     Order: fifo             Category Order: funda
Retention Times(days), File Cab: 10   Delivered/Nondeliverable: 5
Voice Mail Message (seconds), Maximum Length: 200 Minimum Needed: 120
Call Answer Message (seconds), Maximum Length: 120 Minimum Needed: 40
End of Message Warning Time (seconds): 0
Maximum Mailing Lists: 25           Total Entries in all Lists: 250
Mailbox Size (seconds), Maximum: 3600 Minimum Guarantee: 0
enter command: display subscriber 18001

```

Figure 1-36. Subscriber Class Of Service Parameters Screen

2. Check that all of the data on the screen is correct. If any of the data is incorrect, you may manually add the data or you may need to rerun the data transfer. Refer to Task 11 - Check the Log File procedure for further information.
3. Repeat steps 12 and 13 for five other subscribers.
4. Press (F7) (Cancel) to return to the command line.

Remote AMIS Subscribers

1. Enter `li re machine- name`.



NOTE:

Machine-name is the AMIS machine whose subscribers you are checking.

The system respond with the List Remote Extensions screen (Figure 1-37).

```

drbig1          Active          Alarms: m          Logins: 2
list remote-extensions aptiny1          Page 1
LIST REMOTE EXTENSIONS

Extension      Name                Type                Usage Date
2001           Cliff              administered        12/17/93
2002           Tom                administered        12/16/93
2003                                     verified           12/15/93
2004                                     verified           12/15/93
2005                                     verified           12/31/93
2006                                     verified           12/15/93
2007                                     verified           12/15/93
2008                                     verified           12/15/93
2010                                     verified           12/15/93
2011                                     verified           12/31/93
2300                                     verified           12/15/93

Press [NextPage], [PrevPage] or [Cancel]
enter command: list remote-extensions aptiny1
1Cancel 2Refresh 3Enter 4ClearFld 5Help 6Choices 7NextPage 8PrevPage
    
```

Figure 1-37. List Remote Extensions Screen

2. To approximate the number of subscribers in the list, check the number of pages shown in the upper right of the screen and multiply the number by 19. If the total is less than 90% of the subscribers on the AUDIX R1, you may need to manually fix some entries or rerun the data transfer. Refer to Task 11 - Check the Log File procedure for further information.
3. Press **(F1)** (Cancel) to return to the command line.
4. Enter **exit**.

The system returns to the INTUITY Administration menu.

Task 13 - Administer the Switch

Once the migration from the AUDIX R1 system to the INTUITY system has been successfully completed, you must administer the switch associated with the INTUITY system.

Standard Migration

Table 1-4 lists the tasks necessary for administering the switch on the INTUITY system for a standard migration. The table assumes that the customer will want to keep the AUDIX R1 mailboxes available for subscribers after the migration. Subscribers may want to retrieve old messages from the AUDIX R1 system.

Based on the type of switch and INTUITY system you will be administering, you will need the following books to help you complete these tasks:

- *INTUITY Integration with System 75, DEFINITY Communications System Generic 1 and 3*
- *INTUITY Integration with System 85 and DEFINITY Communications System Generic 2*
- *INTUITY MAP/5 Hardware Installation, INTUITY MAP/40 Hardware Installation or INTUITY MAP/100 Hardware Installation*
- The installation document for the customer's switch

Table 1-4. Switch Administration Tasks for Migration From AUDIX R1 (Standard Migration)

Task	Description	Reference
1.	<p>Create new voice ports for the AUDIX R1 system. The customer will most likely want to use most or all of the existing R1 ports for the INTUITY system. (Optional)</p> <ul style="list-style-type: none"> ■ These new voice ports will allow subscribers to get their old messages. In this case, the R1 system will require only a few ports. The AUDIX R1 system will have to be recabled for the new voice ports. <p style="text-align: center;">⇒ NOTE: The customer may want to move a few existing ports from the old AUDIX R1 hunt group to the new AUDIX R1 hunt group.</p>	<ul style="list-style-type: none"> ■ System 75, G1, and G3 - Chapters 3, 4, or 5 in the associated INTUITY Switch Integration book ■ System 85 and G2 - Chapter 3 in the associated INTUITY Switch Integration book
2.	<p>Create a new AUDIX R1 hunt group.</p> <ul style="list-style-type: none"> ■ This creates a new telephone number subscribers can call to get their old AUDIX R1 messages. Depending on the customer's desire, assign some existing voice ports to this new hunt group or assign the newly created voice ports to the hunt group. 	<ul style="list-style-type: none"> ■ For System 75, G1, and G3 - Chapters 3, 4, or 5 in the associated INTUITY Switch Integration book ■ For System 85 and G2 - Chapter 3 in the associated INTUITY Switch Integration book
3.	<p>Create two test subscriber stations with the existing AUDIX R1 coverage path.</p> <ul style="list-style-type: none"> ■ This lets you test the switch connections and the INTUITY AUDIX system before putting it into service for real subscribers. Use the extensions of these stations when you add test subscribers on the INTUITY AUDIX system. 	<ul style="list-style-type: none"> ■ For System 75, G1, and G3 - Chapter 8 in the associated INTUITY Switch Integration book ■ For System 85 and G2 - Chapter 6 in the associated INTUITY Switch Integration book

Tandem Migration

The tandem migration allows the switch to start sending calls to the subscriber mailboxes on the INTUITY system, and *also* continue sending calls to the subscriber mailboxes on the AUDIX R1 system.

Table 1-5 lists the tasks necessary for administering the switch on the INTUITY system for a tandem migration. This table assumes that the customer will want a subset of subscribers to continue using the AUDIX R1 system along the INTUITY system.

 **NOTE:**

The tandem migration is possible only on System 85, Generic 3r, and Generic 2 switches. Only these switches allow a BX.25 data link with more than one AUDIX hunt group/split.

Based on the type of switch and INTUITY system you will be administering, you will need the following books to help you complete these tasks:

- *INTUITY Integration with System 75, DEFINITY Communications System Generic 1 and 3*
- *INTUITY Integration with System 85 and DEFINITY Communications System Generic 2*
- *INTUITY MAP/40 Installation or INTUITY MAP/100 Installation*
- The installation document for your switch

Table 1-5. Switch Administration Tasks for Migration From AUDIX R1 (Tandem Migration)

Task	Description	Reference
1.	<p>Create INTUITY AUDIX voice ports.</p> <p>Create new voice ports for the INTUITY AUDIX. The customer will most likely want to use all of the existing R1 ports for the AUDIX R1 system.</p>	<ul style="list-style-type: none"> ■ For System 75, G1, and G3 - Chapters 3, 4, or 5 in the associated INTUITY Switch Integration book ■ For System 85 and G2 - Chapter 3 in the associated INTUITY Switch Integration book
2.	<p>Create an INTUITY AUDIX hunt group.</p> <ul style="list-style-type: none"> ■ This creates a new phone number subscribers can call to get their old AUDIX R1 messages. Depending on the customer's desire, assign some existing voice ports to this hunt group or assign the newly created voiceports to the hunt group. 	<ul style="list-style-type: none"> ■ For System 75, G1, and G3 - Chapters 3, 4, or 5 in the associated INTUITY Switch Integration book ■ For System 85 and G2 - Chapter 3 in the associated INTUITY Switch Integration book
3.	<p>Create two test subscriber stations and a coverage path to the INTUITY AUDIX system.</p> <ul style="list-style-type: none"> ■ This lets you test the switch connections and the INTUITY AUDIX system before putting it into service for real subscribers. Use the extensions of these stations when add test subscribers on the INTUITY AUDIX system. 	<p><i>INTUITY MAP/5 Hardware Installation, INTUITY MAP/40 Hardware Installation, or INTUITY MAP/100 Hardware Installation</i></p>

Task 14 - Cable the INTUITY System

Once the migration from the AUDIX R1 system to the INTUITY system has been successfully completed, you must cable the INTUITY system. Use either of the following tables (Table 1-6 or Table 1-7) based on whether the customer completed a standard or tandem migration.

Standard Migration

You cannot use the AUDIX R1 system cables for connecting the INTUITY system to the switch. Therefore, you must cable the INTUITY system to the switch as if it were a new installation. Table 1-6 lists the tasks you must complete in order to cable the INTUITY system to the switch.

⇒ NOTE:

You may also have to recable the AUDIX R1 system to the switch if the customer is using new voice ports for the AUDIX hunt group.

Table 1-6. Tasks to Cable the INTUITY AUDIX System and Recable the AUDIX R1 System (Standard Migration)

Task	Description	Reference
1.	Busy out the old AUDIX R1 voice ports. <ul style="list-style-type: none"> ■ This lets you remove the voice port cabling. 	<ul style="list-style-type: none"> ■ For System 75, G1, and G3 - Chapters 3, 4, or 5 in the associated INTUITY Switch Integration book ■ For System 85 and G2 - Chapter 3 in the associated INTUITY Switch Integration book
2.	Disconnect the voice port cabling to the AUDIX R1 system and cable the voice ports to the INTUITY AUDIX system	The appropriate switch installation book.
3.	Power down the INTUITY system. Log off and turn off the computer.	Not applicable
4.	Power down the AUDIX R1. Log off and turn off the computer.	Not applicable
5.	Disconnect the BX.25 cabling to the AUDIX R1 system.	<i>AUDIX Installation</i>
6.	Connect the BX.25 cabling to the INTUITY AUDIX system.	<i>INTUITY MAP/5 Hardware Installation, INTUITY MAP/40 Hardware Installation, or INTUITY MAP/100 Hardware Installation</i>
7.	Turn on the INTUITY machine and log on <ul style="list-style-type: none"> ■ This puts the INTUITY system into service for the test stations. 	<i>INTUITY MAP/5 Hardware Installation, INTUITY MAP/40 Hardware Installation or INTUITY MAP/100 Hardware Installation</i>
8.	Connect the AUDIX R1 cabling to the new AUDIX R1 voice ports	<i>AUDIX Installation</i>

Tandem Migration

In the tandem migration, you can leave the AUDIX R1 system cables in tact. See Table 1-7 for the tasks for cabling the INTUITY system using the tandem migration

Table 1-7. Tasks for Cabling the INTUITY AUDIX System (Tandem Migration)

Task	Description	Reference
1.	Cable the voice ports to the INTUITY AUDIX system	The appropriate switch installation book.
2.	Power down the INTUITY system. Log off and turn off the computer.	
3.	Power down the AUDIX R1. Log off and turn off the computer.	Not applicable
4.	Connect the BX.25 cabling to the INTUITY AUDIX system.	<i>INTUITY MAP/40 Hardware Installation</i> or <i>INTUITY MAP/100 Hardware Installation</i>
5.	Turn on the INTUITY machine and log on.	

Task 15 - Assign a Coverage Path to the Migrated Subscribers (Tandem Migration Only)

Table 1-8 lists the final task for completing a tandem migration. The subscribers which were migrated to the INTUITY system must have assigned coverage paths. These new coverage paths will allow calls to go to the subscriber mailboxes on the INTUITY system.

Table 1-8. Task to Assign Coverage Path to Moved Subscribers (Tandem Migration)

Task Description	Reference
<p>Assign the new coverage path to each subscriber station you are moving at installation</p> <ul style="list-style-type: none">■ This causes access to subscriber voice mailboxes to change one-by-one, or by ranges of extensions, to the INTUITY AUDIX system. For each station that you assign the coverage path to, unanswered calls would go to the INTUITY AUDIX system. However, subscribers can still call the old AUDIX number for old messages.	<ul style="list-style-type: none">■ For System 75, G1, and G3 - Chapter 9 in the associated INTUITY Switch Integration book■ For System 85 and G2 - Chapter 7 in the associated INTUITY Switch Integration book

Task 16 - Remove the Migration Software

⇒ NOTE:

If you will be completing the Enhanced AUDIX R1 migration, do *not* remove the migration software. This software must left in place in order to complete the enhanced migration.

To preserve disk space, remove the migration software when the migration is complete. Use the following steps:

1. At the INTUITY Administration menu, select:

> Customer/Services Administration

>System Management

>UNIX Management

>Software Remove

The system responds with the Installed Software List (Figure 1-38) appears:

```
31 inet      Internet Utilities
           (386) 1
32 iur      Intuity Intro Voice Response Module
           (486) 1,0-16
33 license  User Upgrade
           (386) 1
34 loadtest Intuity R3 Loadtest package
           (486) 3,0-23
35 lp       Printer Support
           (386) 1
36 mig      Migrations
           (AUDIX) 3,3-15
37 mouse    BUILT INTO THE BASE, CANNOT BE REMOVED.
           ( )
38 mtce     Intuity Maintenance Module
           (486) 3,0-24
39 multiusr Multi-user Set
           (386) 1
40 netcmds  Commands Networking Extension
           (386) 1
... 26 more menu choices to follow:
(RETURN) for more choices, (CTRL-D) to stop display:
```

Figure 1-38. Installed Software List

2. Press **ENTER** to scroll through the list until you find the number of the migration software.
3. When you have identified the number of the migration software, press **CTRL D**.

The following prompt appears.

Select package(s) you wish to process (or 'all' to process all packages). (default: all) [?,??,q]:

4. Enter the item number of the migration software.

The following prompt appear:

Migration Removal Confirmation Prompt

5. Enter **y**.

The system will now remove the indicated software. You will return to the UNIX Management menu.

6. Press **F6** (Cancel) until you return to the INTUITY Administration menu.

**Task 17 - Readminister the Voice Ports
on the AUDIX R1 System**

See *AUDIX Installation* for information on this task.

Overview



CAUTION:

You must complete migration procedures for migrating subscriber data from AUDIX R1 to the INTUITY system before you begin the Enhanced AUDIX R1 Migration.

This chapter outlines and describes the steps for completing an enhanced migration of subscriber voice data and mailing lists from an AUDIX R1 system to the INTUITY system.



NOTE:

All migrated messages become new messages on the INTUITY system.

Once migration is complete, the INTUITY system replaces the AUDIX R1 system. The AUDIX R1 may be left connected temporarily so that subscribers can listen to any messages stored by the AUDIX R1 before the INTUITY system was placed into service. This allows them to verify that the messages migrated and to obtain header information for the migrated messages. However, even if the AUDIX R1 is left in service, the INTUITY system provides service for all new messages.



NOTE:

While the enhanced migration is in progress, messaging should not be used on the AUDIX R1.

 **NOTE:**

All header information, such as caller name, time of call, date of call, etc. is not migrated. Messages for auto-attendant and bulletin board subscribers are not migrated. Messages contained in a mailbox file cabinet are also not migrated. To migrate messages contained in a file cabinet, the subscriber must re-send these filed messages to themselves.

For information regarding the planning, pre-administration and post-administration of the enhanced migration for subscribers, refer to *INTUITY Release 3.0 Planning for Migrations* (585-310-652).

Materials and Information Needed

You need the following items to successfully complete an Enhanced AUDIX R1-to-INTUITY migration:

- Migration software
- Completed migration planning worksheets provided by the AUDIX R1 system administrator
- Enhanced AUDIX R1 Migrations Checklist
- TN535 procmon circuit card

You will need the following books:

- *AUDIX Maintenance for Tier 1*
- *AUDIX Administration*
- *INTUITY Integration with System 75 and DEFINITY Communications System Generic 1 and Generic 3* (585-310-214)
- *INTUITY Integration with System 85 and DEFINITY Communications System Generic 2* (585-310-215)
- Appropriate hardware installation book
- Appropriate switch installation book

⇒ NOTE:

The number of lines for the AUDIX R1 and the INTUITY system should be equal during voice migration. This will allow the most efficient and timely migration of data.

⇒ NOTE:

If the AUDIX R1 machine is digitally networked, it must be fully updated prior to beginning the migration.

Time Estimates

The length of time it takes to migrate voice data and mailing lists depends on the type of data and the amount of data you must migrate.

⇒ NOTE:

The system administrator will need to provide you with the decisions on what type of data will be migrated. For more information, see *INTUITY Release 3.0 Planning for Migrations* (585-310-652).

For an estimate of the time required to complete the enhanced migration, complete the following steps.

1. If migrating mailing lists, log on to the AUDIX R1 machine and access the Traffic:Feature:Day screen (Figure 2-1).

```
PERFSI STATUS: alarms: MWR, logins: 1, thresholds: none
PATH: traffic : feature : day
starting date (mddy):      ending time (hmm):
      (TO SELECT TRAFFIC TYPE ENTER AN x THEN PRESS ENTER)
traffic type, session:  _ message:  _

max average number of ports in use:
subscribers, local:      remote:      non administered remote:

      VOICE MAIL
successful logins, external:      internal:
failed logins,      external:      internal:
session usage (seconds) :

      CALL ANSWER
completed calls, external:      internal:
abandoned calls, external:      internal:
session usage (seconds) :

      (PRESS ENTER FOR NEXT DAY'S TRAFFIC)
```

Figure 2-1. Traffic:Feature:Day Screen

2. Note the number of local subscribers, remote subscribers and non-administered remote subscribers.

⇒ NOTE:

Steps 1 and 2 are only completed if mailing lists are to be migrated. If mailing lists are not to be migrated, you can go to Step 3.

3. Log on to the AUDIX R1 machine and access the Traffic:Load:Day screen (Figure 2-2).

```

PATH: traffic : load : day
starting date (mddy): 020995 ending time: 14:52
(PRESS ENTER TO DISPLAY TRAFFIC)
total subscriber threshold exceptions
  lists: 0 list space: 0 message space, lower: 0 upper: 0
  total subscribers over threshold: 0
deliveries rescheduled: 0 maximum simultaneous ports: 0
voice text used: 14637 voice text free space: 6863

port usage data (seconds)
  1- 8: 0 0 0 0 0 0 0 0
  9-16: 0 0 0 0 0 0 0 0
  17-24: 0 0 0 0 0 0 0 0
  25-32: 0 0 0 0 0 0 0 0

port peg count data (number of calls)
  1- 8: 0 0 0 0 0 0 0 0
  9-16: 0 0 0 0 0 0 0 0
  17-24: 0 0 0 0 0 0 0 0
  25-32: 0 0 0 0 0 0 0 0
(PRESS ENTER FOR NEXT DAY'S TRAFFIC)

operation confirmed
6863 03:Reduled:
  
```

Figure 2-2. Traffic:Load:Day Screen

4. Note the number in the Voice Text Used field. This information is provided as blocks. Each block equals 8 seconds.

⇒ NOTE:

You may want to keep track of this number over a period of time, perhaps a week, and use the highest number noted.

5. Multiply the number of blocks by 8.
6. Multiply the number of channels to be used for the migration on the AUDIX R1 by 3600.

⇒ NOTE:

The maximum number of channels that can be used for the migration is 16. If you are migrating names, not more than 12 ports can be used for the migration.

7. Divide the amount calculated in Step 5 by the amount calculated in Step 6. This gives you a rough estimate of the time it takes to migrate voice data in hours. However, it does not include the necessary overhead time needed to complete the migration.

Overhead Time

You will need to consider overhead time when calculating a time estimate. Use the following as general overhead estimates:

- Subscriber Class-of-Service Parameters require 10 minutes for set-up and 10 minutes for restoration.
- Set-up for the ADAP connection and the extraction from AUDIX R1 requires approximately 10 minutes

⇒ NOTE:

This overhead is only used for migrating mailing lists.

- Conversion of mailing lists files from the AUDIX R1 requires approximately 10 minutes

⇒ NOTE:

This overhead is only used for migrating mailing lists.

Use the following per-subscriber overhead estimates:

- Recording a name requires approximately 30 seconds (1/2 minute) per subscriber
- Playing the message associated with login of the AUDIX mailbox requires approximately 30 seconds (1/2 minute)
- The amount of time for recording greetings depends on whether greetings are activated. If greetings are activated, it depends on whether a subscriber has multiple greetings or single greeting enabled.
 - If multiple greetings is enabled but no greetings are recorded, it takes approximately 10 seconds per subscriber.
 - If multiple greetings is enabled and greetings are recorded, it takes approximately 1 minute per subscriber.
 - If a single greeting is enabled, it takes approximately 5 seconds per subscriber.

⇒ NOTE:

Multiple greetings require a great deal of time to migrate. You may want to emphasize other alternatives to the customer:

- Do not migrate greetings
- Disable multiple greetings and only migrate one greeting per subscriber
- Delete all greetings on the AUDIX R1 and request that the subscribers re-record their greetings on the INTUITY system.

- Have a few designated subscribers keep their greetings. All other subscribers should delete their greetings. Thus, those with greetings recorded will have their greetings migrated and all other subscribers will need to re-record their greetings on the INTUITY system.

Example

This an example of a time estimate calculation based on the following:

- Decision to migrate mailing lists, names, and messages, but not greetings has been made
 - 12 channels
 - 1000 local subscribers
 - 0 remote subscribers
 - 0 non-administered remote subscribers
 - 80,000 voice seconds (10,000 voice text blocks used x 8 seconds)
 - Average mailing list size is 11
 - Subscribers have an average of 1.2 mailing lists per subscriber
 - 4 passwords per minute are converted
 - 10 mailing list per minute can be migrated
1. Use the information below to complete the mailing list portion of the time calculation.
 - 1000 local subscribers
 - 0 remote subscribers
 - 0 non-administered remote subscribers
 - Average mailing list size is 11 subscribers
 - Subscribers have an average of 1.2 mailing lists per subscriber
 - 10 mailing list per minute can be migrated
 - a. Add the number of local subscribers, remote subscribers, and non-administered remote subscribers; this equals the total number of subscribers.
$$1000 + 0 + 0 = 1000$$
 - b. Multiply the total number of subscribers by 1.2.; this equals the total number of mailing lists.
$$1000 \times 1.2 = 1200$$

- c. Divide the total number of mailing lists by 10 (number of mailing list migrated per minute); this equals an approximate amount of time for the transfer of all mailing lists from the AUDIX R1.

$$1200/10 = 120 \text{ minutes}$$

- d. Divide the total number of subscribers by 25; this equals an approximate amount of time for the subscriber file data extraction.

$$1000/25 = 40 \text{ minutes}$$

- e. Add the amount of time for the transfer of mailing lists and the amount of time for the extract of subscriber file data; this equals the total amount of time for mailing list data extraction and transfer.

$$120 + 40 = 160 \text{ minutes}$$

- f. Add 20 minutes for overhead time to the total amount of time for data extraction and transfer; this equals the total amount of time, in minutes, for mailing list migration.

$$20 + 160 = 180 \text{ minutes}$$

- g. Divide this total by 60; this equals the total amount of time, in hours, for mailing list migration.

$$180/60 = 3 \text{ hours}$$

2. Use the information below to complete the name and message portion of the time calculation.

- 12 channels
- 1000 local subscribers
- 0 remote subscribers
- 0 non-administered remote subscribers
- 80,000 voice seconds (10,000 voice text blocks used x 8 seconds)

- a. Divide the number of seconds of voice data by 60; this equals the voice minutes.

$$80,000/60 = 1,333 \text{ minutes}$$

- b. Add the time necessary for subscriber class of service parameters set-up and restore functions; this equals the total amount of general overhead time.

$$10 + 10 = 20 \text{ minutes}$$

- c. Add the recording of the name and the playing the message associated with logging into an AUDIX mailbox; this equals the per subscriber overhead time.

$$.5 + .5 = 1 \text{ minute}$$

- d. Multiply the number of subscribers by the subscriber overhead; this equals the total subscriber overhead time.

$$1000 \times 1 = 1,000 \text{ minutes}$$

- e. Add the total subscriber overhead and the general overhead; this equals the total amount of overhead time.

$$1,000 + 20 = 1,020 \text{ minutes}$$

- f. Add the total amount of overhead time and voice minutes; this equals the amount of time for voice migration.

$$1,020 + 1,333 = 2,353 \text{ minutes}$$

- g. Divide the total amount of time for voice migration by the number of channels being used for migration; this equals the total amount of time for voice migration for all channels.

$$2,353/12 = 196 \text{ minutes}$$

- h. Divide the total amount of time for voice migration for all channels by 60; this equals the total amount of time for voice migration for all channels in hours.

$$196/60 = 3.5 \text{ hours}$$

⇒ NOTE:

You may want to add additional overhead time for migration start-up and wind down. Not all channels are running during these stages.

3. Use the information below to complete the password conversion on the AUDIX R1 portion of the time calculation.

- 1000 local subscribers
- 0 remote subscribers
- 0 non-administered remote subscribers
- 4 passwords per minute are converted

- a. Divide the total number of local subscribers, remote subscribers, and non-administered remote subscribers by 4 (number of passwords migrated per minute); this equals the amount of time, in minutes, for password conversion

$$1000/4 = 250 \text{ minutes}$$

- b. Divide the total amount of time, in minutes, by 60; this equals the total amount of time, in hours, for password conversion.

$$250/60 = 4 \text{ hours}$$

4. Complete the following for the total estimated amount of time for this enhanced migration.
 - a. Add the amount of time for mailing list migration (Step 1), name and messages migration (Step 2), and password conversion (Step 3).

$$3 + 3.5 + 4 = 10.5 \text{ hours}$$

Thus, based on 1,000 subscribers and the information migrated in this example, this enhanced migration would take 10.5 hours.

Enhanced AUDIX R1 Migration Checklist

Table 2-1 shows the migration tasks, in the sequence they should occur, for an enhanced migration from an AUDIX R1 system to the INTUITY system.

Table 2-1. Enhanced AUDIX R1 Migration Checklist

Task	Description	✓
1.	Migrate the subscribers from the AUDIX R1 to the INTUITY system. ⇒ NOTE: Refer to Chapter 1, "Migrating from AUDIX R1".	
2.	Set up the switch.	
3.	Busy out all digitally networked ports on the remote AUDIX R1 machines. ⇒ NOTE: This task is completed only if digitally networked remote AUDIX R1 machines are to be migrated.	
4.	Verify that the machine type on all digitally networked remote machines has been changed to INTUITY. ⇒ NOTE: This task is completed only if digitally networked remote AUDIX R1 machines are to be migrated.	
5.	Get a list of remote machine names. ⇒ NOTE: This task is completed only if digitally networked remote AUDIX R1 machines are to be migrated.	
6.	Execute the <code>Get Remote Machine Update</code> . ⇒ NOTE: This task is completed only if digitally networked remote AUDIX R1 machines are to be migrated.	
7.	Verify the INTUITY Messaging Application Programming Interface (IMAPI) parameters set-up.	

Table 2-1. Enhanced AUDIX R1 Migration Checklist — Continued

Task	Description	✓
8.	Back-up all data on the AUDIX R1 machine.  NOTE: Refer to <i>AUDIX Administration</i> for instructions.	
9.	Verify that the AUDIX R1 system administrator has run the Subscriber Data Audit.  NOTE: This step is completed only if mailing lists are to be migrated.	
10.	Migrate the mailing list data.	
11.	Install the enhanced migration software.	
12.	Reboot the INTUITY system.	
13.	Disable outcalling on the AUDIX R1 machine.  NOTE: Refer to <i>AUDIX Administration</i> for instructions.	
14.	Change the AUDIX R1 machine to a stand-alone mode and assign voice mail service to all of the channels on the AUDIX R1 machine that are associated with the hunt group.  NOTE: The number of INTUITY ports in service should be equal to the number of ports in service on the AUDIX R1 machine. There are a maximum of 16 ports available for the enhanced migration. If names are to be migrated, only 12 ports should be used.	
15.	Delete the broadcast message mailbox on the AUDIX R1 machine.  NOTE: Refer to <i>AUDIX Administration</i> for instructions.	
16.	Power down the AUDIX R1 machine.  NOTE: Refer to <i>AUDIX Maintenance for Tier 1</i> for instructions.	

Table 2-1. Enhanced AUDIX R1 Migration Checklist — Continued

Task	Description	✓
17.	Install the TN535 procmon circuit card.	
18.	Power up the AUDIX R1 machine. ⇒ NOTE: Refer to <i>AUDIX Maintenance for Tier 1</i> for instructions.	
19.	Activate the “Touch Tone Interface” on the AUDIX R1 machine.	
20.	Set up a “special” subscriber on the INTUITY system. ⇒ NOTE: This subscriber will be considered the “sender” of all messages being migrated to the INTUITY system.	
21.	Record a name for the “special subscriber” and configure the “special” subscriber’s mailbox so that no mail responses can be sent to it and so that it is able to send priority messages.	
22.	Change the password for all subscribers on the AUDIX R1 machine to a common value. ⇒ NOTE: The common value should be the same as the new password being set up on INTUITY. However, subscribers should <i>not</i> know the password. Refer to <i>AUDIX Administration</i> for instructions	
23.	Set up the enhanced migration parameters.	
24.	Start the enhanced migration.	
25.	Monitor the migration ⇒ NOTE: If you encounter a problem, stop the migration, correct the problem and restart the migration.	
26.	Verify that the hunt group number on the INTUITY system is the same number that subscribers previously used to access the AUDIX R1 machine.	

Table 2-1. Enhanced AUDIX R1 Migration Checklist — Continued

Task	Description	✓
27.	Have the remote maintenance center restore the IMAPI system-parameters on the INTUITY system to their previous settings.	
28.	Stop the INTUITY voice system.	
29.	Remove the Enhanced AUDIX R1 migration software.	
30.	Reboot the INTUITY system.	
31.	Restore the original passwords on the AUDIX R1 machine.  NOTE: If you don't need the old system for any reason, you may skip this step. Refer to <i>AUDIX Administration</i> for instructions.	
32.	Power down the AUDIX R1 machine.  NOTE: Refer to <i>AUDIX Maintenance for Tier 1</i> for instructions.	
33.	Remove the TN535 procmon circuit card.	
34.	Power up the AUDIX R1 machine.  NOTE: Refer to <i>AUDIX Maintenance for Tier 1</i> for instructions.	
35.	Administer the switch.	
36.	Cable the INTUITY system and recable the AUDIX R1 machine.	

Task 1 - Migrate the AUDIX R1 Subscribers

You must complete the subscriber migration from the AUDIX R1 to the INTUITY system before you begin the voice data migration.

For further information on the subscriber migration, refer to Chapter 1, "Migrating from AUDIX R1".

⇒ NOTE:

Leave the migration software package previously installed for the AUDIX R1 migration of subscribers in place so that the enhanced migrations can be completed.

Task 2 - Set Up the Switch

Figure 2-3 illustrates how the switch should be set up for the enhanced migration of subscriber voice data and mailing lists from the AUDIX R1 to the INTUITY system. For further information on switch integration, refer to the customer's switch book.

 **NOTE:**

Once the enhanced migration is complete, the customer may want to take some of the phone lines from the AUDIX R1 machine and give them to the INTUITY system. However, the number of lines into the switch, the number of voice ports purchased on INTUITY, etc. will determine if this redistribution is possible.

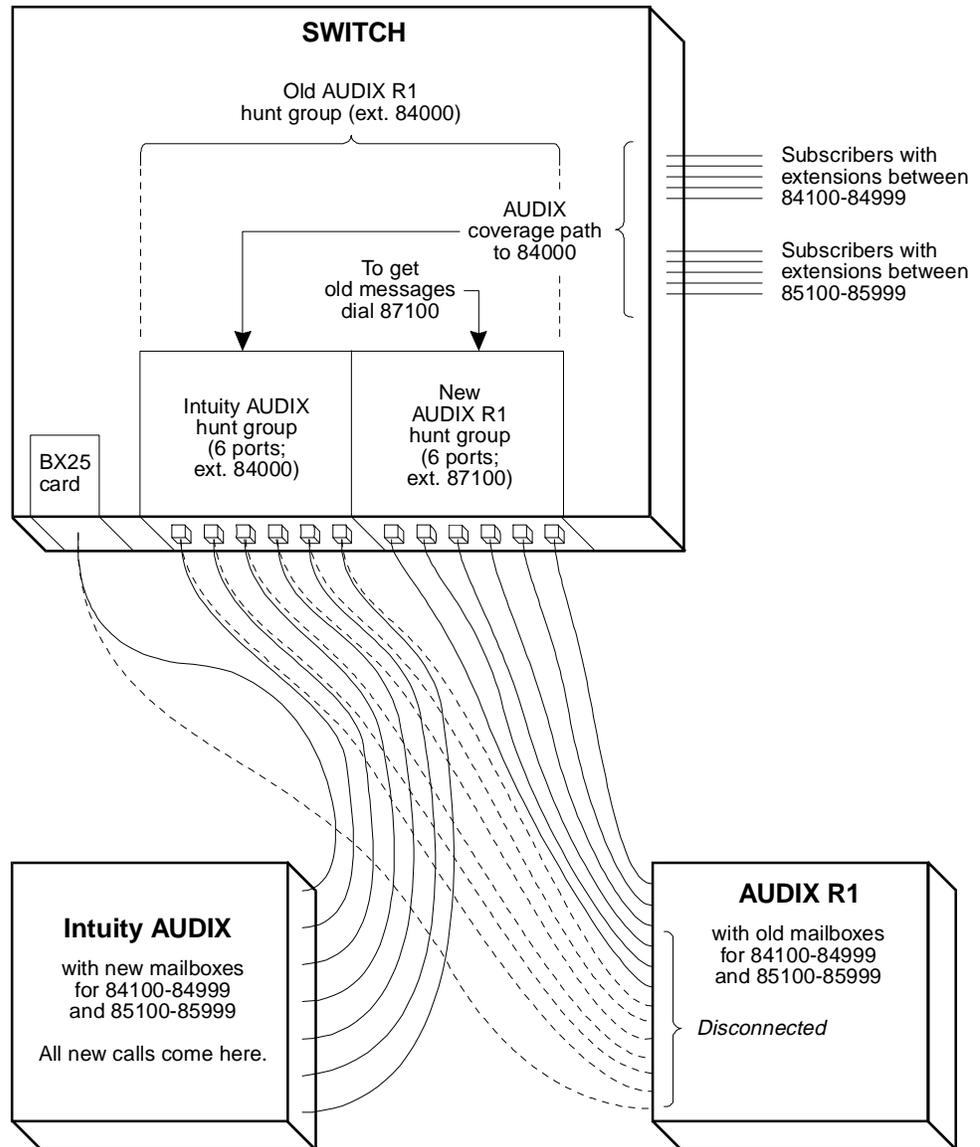


Figure 2-3. Subscriber Voice Data Migration for AUDIX R1 Message Confirmation

Task 3 - Busy Out the Digitally Networked Remote AUDIX R1 Machines

Busy out all ports on the digitally networked remote AUDIX R1 machines prior to beginning the migration. By doing this, you prevent any disruption in the flow of migrating information from the AUDIX R1 machine to the INTUITY system.

⇒ NOTE:

This task is completed only if digitally networked remote AUDIX R1 machines are to be migrated.

Task 4 - Verify the Remote Digitally Networked Machine Type

Verify that the machine type on all digitally networked remote machines has been changed to INTUITY.

The AUDIX R1 system administrator or the INTUITY remote maintenance center should have already completed this task based on the customer's design document. For further information, refer to *INTUITY Release 3.0 Planning for Migrations* (585-310-652).

⇒ NOTE:

This task is completed only if digitally networked remote AUDIX R1 machines are to be migrated.

Task 5 - Get the Remote AUDIX R1 Machine Names

Using the INTUITY AUDIX Administration screen, print a list of remote AUDIX R1 machines.



NOTE:

This task is completed only if digitally networked remote AUDIX R1 machines are to be migrated.

1. Log on to the INTUITY system using the *craft* login.
2. From the Intuity Administration menu, select the AUDIX Administration menu option (Figure 2-4).

```
INTUITY (TM) Administration
>AUDIX Administration
Customer/Services Administration
Networking Administration
Switch Interface Administration
Upgrade
Voice System Administration
```

Figure 2-4. INTUITY Administration Menu

The system responds with the AUDIX Administration menu (Figure 2-5).

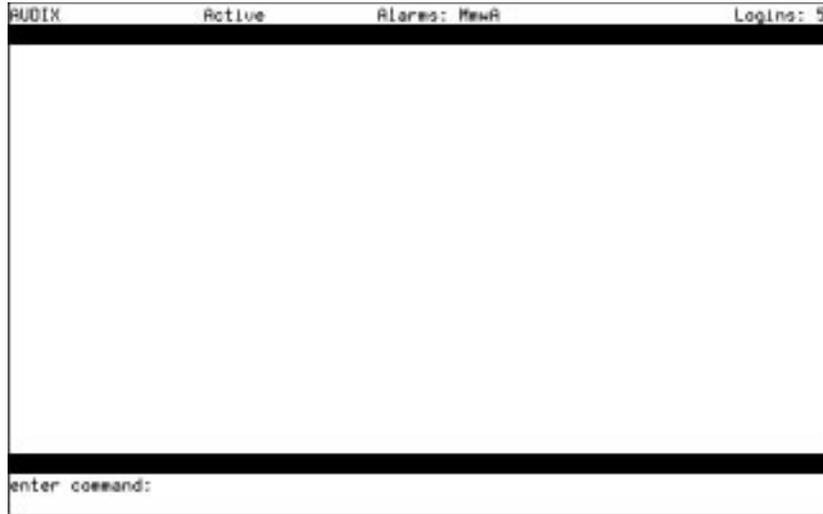


Figure 2-5. AUDIX Administration Menu

3. Enter **list machines**.

The system responds with the List Machines screen (Figure 2-6).

```
drintuit Active Alarms: mA Page: 2
list machines LIST MACHINES
Machine Machine Type Voice ID Callback No.
APSTT01 amisac 5 |
BCST VEX 10 |
CBINTUIT VEX 19 |
MTRIRV2 VEX 12 |
MTRIRV40 VEX 21 |
NCSC VEX 13 |
SCSS0 VEX 14 |
ac_local callid 20 |
alphaudix amisac 6 |
apaudix5pa amisac 18 |
area_10 callid 24 |
area_212 callid 26 |
Press [NextPage], [PreuPage] or [Cancel]
enter command: list machines
```

Figure 2-6. List Machines Screen

4. Print a copy of all of the screens associated with this list.
5. Press (F7) twice to return to the AUDIX Administration command line.

Task 6 - Execute Get Remote Machine Update

Using the AUDIX Administration screen, execute the `Get Remote Machine Update` command.

⇒ **NOTE:**

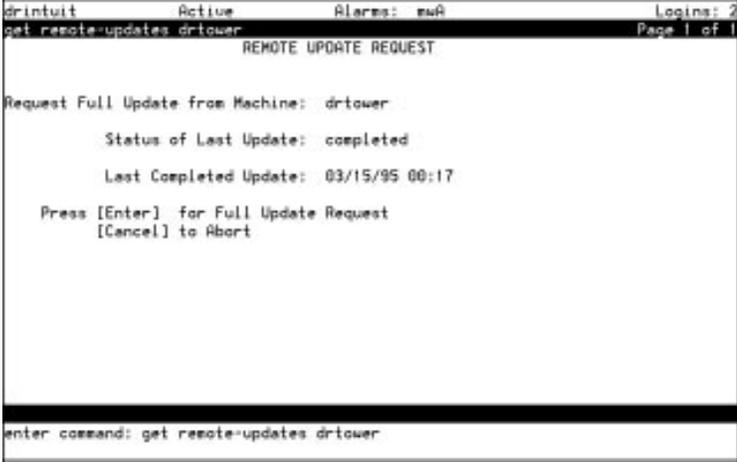
This task is completed only if digitally networked remote AUDIX R1 machines are to be migrated.

1. Enter `get remote-update machine name`.

⇒ **NOTE:**

Machine name is the remote machine name.

The system responds with the Remote Update Request screen (Figure 2-7).



```
drintuit      Active      Alarms: suA      Logins: 2
get remote-updates drtower      Page 1 of 1

      REMOTE UPDATE REQUEST

Request Full Update from Machine: drtower
      Status of Last Update: completed
      Last Completed Update: 03/15/95 00:17

Press [Enter] for Full Update Request
[Cancel] to Abort

enter command: get remote-updates drtower
```

Figure 2-7. Remote Update Request Screen

⇒ **NOTE:**

Enter each remote machine name one at a time. The system will place each of the machines to be updated in the processing queue. However, the system will not necessarily process the machines in the order in which they were submitted.

2. After all machine names have been entered, verify that the updates have completed successfully. The `Status of Last Update` field should display the word *completed* .
3. Enter `exit` at the command line to return to the INTUITY Administration menu.

Task 7 - Verify the INTUITY Messaging Application Programming Interface (IMAPI) Parameters Set-Up

Verify that IMAPI sessions are set up so that the enhanced migrations can be completed.

1. From the INTUITY Administration menu, select the Customer/Services Administration menu option (Figure 2-8).

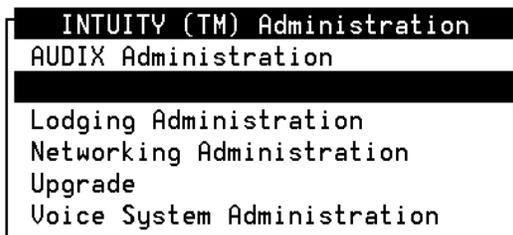


Figure 2-8. INTUITY Administration Menu

The system responds with the Customer/Services Administration menu (Figure 2-9).



Figure 2-9. Customer/Services Administration Menu

2. Select the Feature Options menu option.

The system responds with the Feature Options (Read Only) screen (Figure 2-10).

Feature Options (Read Only)		
Feature Option	Current	Maximum
AMIS Analog Networking	OFF	N/A
Fax	OFF	N/A
High speed digital ports	0	12
Low speed digital ports	0	12
Max Number of IMAPI Sessions	0	32
Multilingual	OFF	N/A
SCSI Disk Mirroring	OFF	N/A
TCP/IP Administration	OFF	N/A
hours_of_speech	5	169
voice_ports	6	6

Figure 2-10. Feature Options (read Only) Screen

3. Review the Max Number of IMAPI Sessions field. If this field does not show at least *one* active session, you must contact the remote maintenance center and have them set up a session in order for the enhanced migrations to be completed.
4. Press (F6) (Cancel) until you return to the INTUITY Administration menu.

Task 8 - Back-up Data on the AUDIX R1 Machine

Back up all subscriber records and passwords on the AUDIX R1 machine. This allows the system administrator to have a copy of all voice information on the AUDIX R1 machine prior to the migration.

For instructions on completing an AUDIX R1 backup, refer to *AUDIX Administration*.

Task 9 - Verify Subscriber Data Audit

Verify that the AUDIX R1 system administrator has completed a subscriber data audit using the AUDIX R1 `Maintenance: Audit: FP` screen. This audit will purge all subscriber mailing lists of deleted subscribers. It will only allow the migration of current subscriber mailing list data.

 **NOTE:**

This procedure is usually done nightly as part of the AUDIX R1 maintenance procedures. For further information on this procedure, refer to *AUDIX Administration* for instructions.

Task 10 - Migrate the Mailing List Data

⇒ NOTE:

This step is only completed if mailing lists are to be migrated.

Migrate all mailing list data from the AUDIX R1 machine to the INTUITY system.

⇒ NOTE:

If possible, run the mailing list migration with a 4800 baud rate. This will help decrease the amount of time needed for the mailing list migration by 50%. Please be aware the the mailing list migration will execute with the same baud rate used for the subscriber migration.

1. Verify that the number of local and remote subscribers on the INTUITY Change:System:Limits screen is greater than the number of local and administered remote subscribers on the AUDIX R1 System:Limits screen.
2. Select the Migrations menu option (Figure 2-11).

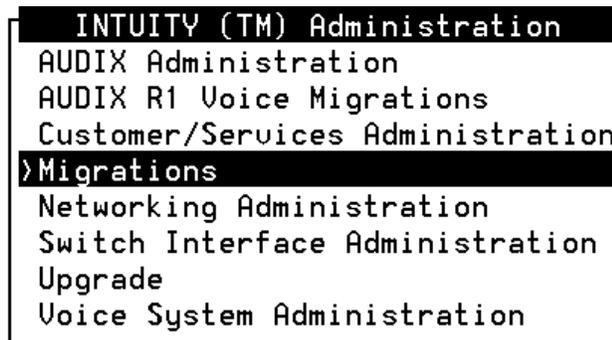


Figure 2-11. INTUITY Administration Menu

The system responds with the Migration to Mach 2 or Mach 3 menu (Figure 2-12).

```
**** Migration to Mach 2 or Mach 3 (mig package version = 3.3-32) ****
1) Transfer data from AUDIX R1
2) Transfer data from AUDIX Voice Power
3) Transfer data from DEFINITY AUDIX
4) Install Default Database
5) Remove Voiced Names
6) Exit
Select option ( ) [ 1 ] : 1
```

Figure 2-12. Migration to Mach 2 or Mach 3 Menu

3. Select option 1, Transfer Data From AUDIX R1.

The system responds with the AUDIX R1 Migration Using ADAP menu (Figure 2-13).

```
**** AUDIX R1 Migration Using ADAP ****
1) Setup Parameters
2) Connectivity Test
3) Begin Migration
4) Display Status
5) Display Logfile
6) Abort Migration
7) Restart Migration
8) Logout

9) Enhanced Migration Options
Select option ( ) [ 4 ] : 9
```

Figure 2-13. AUDIX R1 Migration Using ADAP Menu

4. Select option **9**, Enhanced Migration Options.

The system responds with the Enhanced AUDIX R1 Migration Options menu (Figure 2-14).

```
==== Enhanced AUDIX R1 Migration Options ====
1) Change Migrated Subscriber's Passwords on the R1 Machine
   (do this before invoking a voice data migration)
2) Migrate Subscriber Mailing Lists
3) Return to the R1 Migration Menu
Select option ( ) [ 3 ] : 2
```

Figure 2-14. Enhanced AUDIX R1 Migration Options Menu

5. Select option **2**, Migrate Subscriber Mailing Lists.

The system responds with the Migrate R1 Mail Lists menu (Figure 2-15).

```
**** Migrate R1 Mail Lists ****
1) begin mailing list migration
2) monitor status
3) view log files
4) look at migrated lists
5) abort
6) restart
7) cleanup
8) exit menu
Select option ( ) [ 1 ] :
```

Figure 2-15. Migrate R1 Mail Lists Menu

6. Enter **1** to begin the migration.

You can monitor the migration by selecting option **2**.

⇒ NOTE:

If you need to abort the mailing list migration, you should select option **5**. You can then restart the mailing list migration by selecting option **6**.

7. Once the migration has been completed, review the mailing list migration log by selecting option **3**.

8. Review the migrated mailing lists by selecting option **4**.

9. Clean-up the migrated mailing list by selecting option **7**.

10. When the clean-up has been completed, enter **8** to return to the Enhanced AUDIX R1 Migration Options menu.

11. Enter **3** to return to the Migration to Mach 2 or Mach 3 menu.

12. Enter **6** to return to the INTUITY Administration menu.

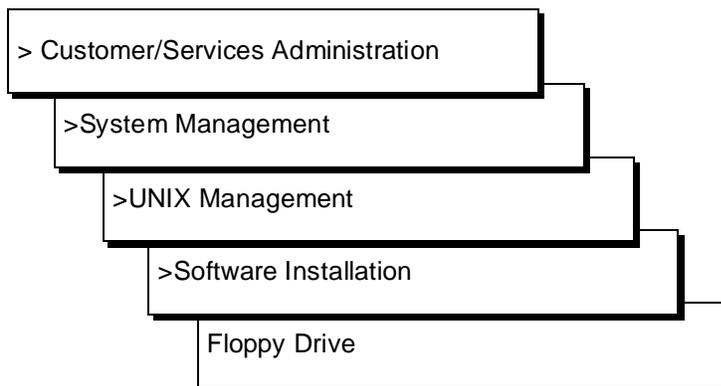
Task 11 - Install the Enhanced Migration Software

The INTUITY system uses the enhanced migration software to:

- Call up the AUDIX R1 machine
- Retrieve data
- Format the data for use by the INTUITY system.

To load enhanced migration software:

1. Locate the floppy disk that contains the enhanced migration software. This disk is shipped with the INTUITY system.
2. Starting at the INTUITY Administration menu, select:



The system responds with the following prompts:

**Insert a diskette into Floppy Drive 1.
Type [go] when ready
or [q] to quit: (default: go)**

3. Insert the enhanced migration software diskette into the floppy drive.
4. Press **ENTER**.

The system responds with the following prompts:

Installation in progress. Do not remove the diskette.

**The following packages are available:
enhmig Enhanced Migrations
(AUDIX) R1.1**

**Select the package(s) you wish to process (or 'all' to process
all packages). (default: all) [?,??,q]: 1**

5. Press **ENTER**.

While the software is being installed, the LED light is lit. When the system is finished installing the software, the cursor returns to the Floppy Drive menu option.

6. Remove the enhanced migration software diskette from the floppy drive.
7. Press **F6** (Cancel) until you return to the INTUITY Administration menu.

⇒ NOTE:

The system will not display the AUDIX R1 Voice Migrations option on the INTUITY Administration menu until you log back in to the system.

Task 12 - Reboot the INTUITY System

1. Starting at the INTUITY Administration menu select:



The system responds with the System Control menu (Figure 2-16).

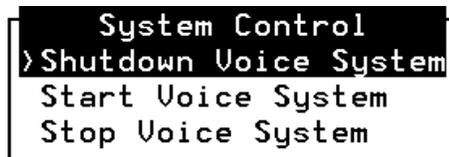


Figure 2-16. System Control Menu

2. Select Shutdown Voice System.

The system responds with the following prompt:

Enter y to continue, n to quit

3. Enter y.

The system responds with the following text:

```
voice system is not running
Shutdown started. Month date time year
INIT: New run level: 0
The system is coming down. Please wait
```

```
The system is down.
Press CTRL-ALT-DEL to reboot your computer.
```

4. Press

The system returns to the INTUITY Administration menu.

Task 13 - Disable Outcalling on the AUDIX R1 Machine

Disable outcalling on the AUDIX R1 machine. This will reserve the ports needed for the enhanced migration.

For instructions on disabling outcalling, refer to *AUDIX Administration*.

Task 14 - Assign Voice Mail Service Channels on the AUDIX R1 Machine

Change the AUDIX R1 machine to the stand-alone mode and assign voice mail service to all channels on the AUDIX R1 that are associated with the hunt group. Complete the following:

1. Unplug the cable from the monitor (H05/FP/MON) port on the AUDIX R1 and plug it into the system port. Reconnect the null-modem, if present, and set the terminal to a 4800 baud rate.
2. At the command line on the AUDIX R1 screen, type `system translation:switch connection` and press **F8** (Enter).

The system responds with the System:Translation:Switch Connection screen (Figure 2-17).

⇒ NOTE:

The screen displayed may be different from the AUDIX R1 screen you are using based on the switch connection.

```

PERFSI STATUS: alarms: swA, logins: 1, thresholds: none
PATH: system : translation : switch connection
connection type (dcu-aci/smsi/bri-epi/sll/sid/stand-alone): stand-alone
(PRESS CHANGE TO MODIFY CONNECTION TYPE, NEW FIELDS WILL BE DISPLAYED)

      (THE FOLLOWING FIELDS APPLY ONLY TO STAND-ALONE)

voice port disconnect timing (milliseconds): 400
is line quality high (y/n)? y ground start (y/n)? n
call answer timeout (seconds): 5
timeout treatment (m/n/t) : n extension:
automated attendant extension:
MWI access codes, on: off:

      port call type (c/u/a/m)
1- 8: u u u u u u u u
9-16: u u u u u u u u
17-24: - - - - -
25-32: - - - - -

host switch: 2 AUDIX: 1

operation confirmed

```

Figure 2-17. System:Translation:Switch Connection Screen

3. Enter **y** in all `port call type` fields.
4. Press **SAVE** to save all new field settings.
5. Press **EXIT**.

Task 15 - Delete the Broadcast Message Mailbox on the AUDIX R1 Machine

Log on to the AUDIX R1 broadcast mailbox and delete all messages in it or remove the broadcast message mailbox from the AUDIX R1 machine. Broadcast messages are not migrated from the AUDIX R1 to the INTUITY system.

For further information on how to delete the broadcast mailbox from the AUDIX R1 machine, refer to *AUDIX Administration*.

Task 16 - Power Down the AUDIX R1 Machine

You must power down the AUDIX R1 machine prior to installing the TN535 procmon circuit card. Complete the following procedures:

1. Pull out the handle on the MI (TN511) toggle switch and move it to the normal (center) position.
2. After a brief pause, move the toggle switch to the shutdown (right) position. The green "ACT" light will be activated.
3. Wait for 30 to 300 seconds; until the red "COMPL" light is activated.
4. Push the RCD-1 button and wait for the green "ACT" light to deactivate.
5. Turn off the circuit breaker in the lower cabinet.
6. Turn off the circuit breaker in the upper cabinet (if this is a two-cabinet system).



NOTE:

For more detailed information on powering down an AUDIX R1 machine, refer to *AUDIX Maintenance for Tier 1*.

Task 17 - Install the TN535 Procmon Circuit Card

To install the TN535 procmon circuit card, insert the card into slot #8 and lock the handle over the card.

⇒ NOTE:

For detailed information on installation of the TN535 procmon circuit card, refer to *AUDIX Maintenance for Tier 1*.

Task 18 - Power Up the AUDIX R1

You must power up the AUDIX R1 machine after installing the TN535 procmon circuit card. Complete the following procedures:

1. Turn on the circuit breaker in the lower cabinet.
2. Turn on the circuit breaker in the upper cabinet (if this is a two-cabinet system).
3. Move the MI (TN511) toggle switch to the normal (center) position.

 **NOTE:**

If you want to monitor the system, you can transfer the cable from the administration port to the maintenance (H05/FP/MON) port and then view the process on the computer monitor.

For more detailed information on powering up an AUDIX R1 machine, refer to *AUDIX Maintenance for Tier 1*.

 **NOTE:**

It may take several minutes for the system to return to service.

Task 19 - Activate the Touch Tone Interface on the AUDIX R1 Machine

The following steps are needed to activate the touch tone interface on the AUDIX R1:

1. Unplug the cable from the system port and plug it into the monitor (H05/FP/MON) port.
2. Remove the Null modem cable (H600-258), if present
3. Set the terminal to 1200 baud rate.

⇒ NOTE:

The activation of the touch tones requires a 1200 baud rate.

4. At the prompt type **< op** and press **(ENTER)**.
5. At the @ prompt, enter **rd Vm memory address x**.

⇒ NOTE:

The *memory address* will vary depending on the AUDIX R1 release version to be migrated. Table 2-2 lists the memory location number to use for activating the touch tone interface.

Table 2-2. Memory Location Numbers

AUDIX R1 Release	Type of AUDIX R1	Memory Address
r1v5 - r1v7	single box	0x9940
r1v5 - r1v7	tower	0x5540
r1v7.2 - r1v8.2	single box	0x9978
r1v7.2 - r1v8.2	tower	0x5578

For an AUDIX R1 v8.2 single box, it would appear as:

@ rd Vm 0x9978 x

6. Press **(ENTER)** .

The system responds with a 0.

7. At the next @ prompt, enter **wd Vm memory address 712**.

For an AUDIX R1 v8.2 single box, it would appear as:

@ wd Vm 0x9978 712

8. Press **(ENTER)**

9. Verify the **rd** again by repeating Steps 3 through 4.

10. Call the AUDIX R1 hunt group telephone number to verify the touch tone activation.

You should hear three touch tones prior to each AUDIX prompt. This indicates that the touch tone activation is complete.

⇒ NOTE:

If you previously had the cable plugged into the monitor port to view the process on-line, unplug the cable from the monitor (H05/FP/MON) port and plug it into the administration port.

Task 20 - Set up a Special Subscriber on the INTUITY System

Add a "special" subscriber to the INTUITY system. This subscriber will be considered the sender of all messages that are being migrated from the AUDIX R1 system.

1. Starting at the INTUITY Administration menu, select:

```
> AUDIX Administration
```

The system responds with the AUDIX Administration screen (Figure 2-18).

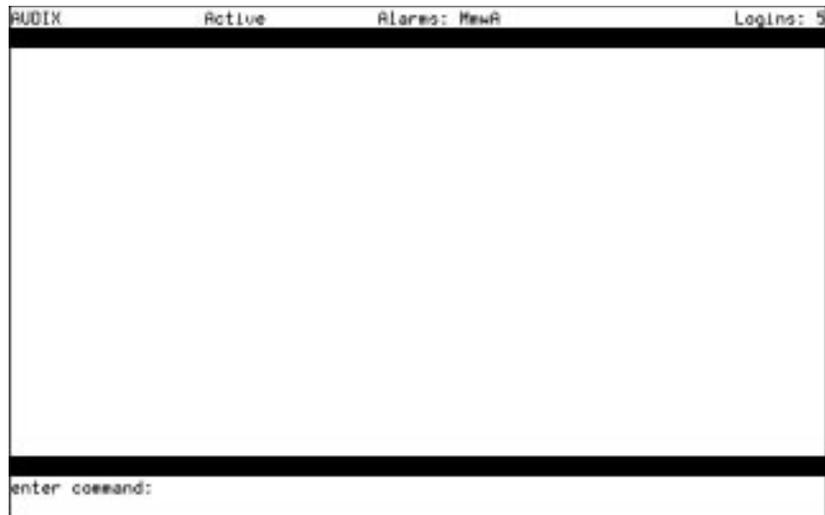


Figure 2-18. AUDIX Administration Screen

2. Enter **add su**.

The system responds with the Subscriber screen (Figure 2-19).

```
AUDIX Active Alarms: MWR Logins: Page 1 of 2
SUBSCRIBER
Name: tester 2 Locked? n
Extension: 22222 Password:
COS: def Miscellaneous:
Switch Number: Covering Extension:
Community ID: Broadcast Mailbox? n
Secondary Ext:
add subscriber
```

Figure 2-19. Subscriber Screen

3. Enter a name, extension, and password for this subscriber.



NOTE:

The password should be the same as the password previously set up for all other subscribers set up on the INTUITY system.

Task 21 -Record a Name and Configure the Special Subscriber's Mailbox

You must record a name to be associated with the “special subscriber” and configure their mailbox.

1. Record a name for the “special subscriber”. This name will be heard by the subscribers when they retrieve their messages on the INTUITY system after the enhanced migration is complete. This name will indicate that they have messages which have been migrated from the AUDIX R1 machine to the INTUITY system.
2. Configure the “special” subscriber’s mailbox on the INTUITY system so that:
 - No mail message responses can be sent to it
 - It is able to send priority messages
3. Press **(F7)** (Next Page) from the Subscriber screen to go to the Subscriber Class of Service Parameters screen (Figure 2-20).

```
AUDIX Active Alarms: New Login:
change subscriber 22222 Page 2 of 2
SUBSCRIBER CLASS OF SERVICE PARAMETERS
Addressing Format: extension
System Multilingual is ON Login Announcement Set: System
Call Answer Language Choice? n Call Answer Primary Ann. Set: System
Call Answer Secondary Ann. Set: System
PERMISSIONS Type: call-answer Announcement Control? n
Outcalling? n Priority Messages? y Broadcast: none
IMAPI Access? y IMAPI Voice File Transfer? y Fax? n
INCOMING MAILBOX Order: fifo Category Order: nro
Retention Times (days), New: 0 Old: 0 Unopened: 0
OUTGOING MAILBOX Order: fifo Category Order: funda
Retention Times(days), File Cab: 10 Delivered/Nondeliverable: 5
Voice Mail Message (seconds), Maximum Length: 224 Minimum Needed: 120
Call Answer Message (seconds), Maximum Length: 120 Minimum Needed: 40
End of Message Warning Time (seconds): 0
Maximum Mailing Lists: 25 Total Entries in all Lists: 250
Mailbox Size (seconds), Maximum: 0 Minimum Guarantee: 0
change subscriber 22222
```

Figure 2-20. Subscriber Class Of Service Parameters Screen

4. Enter **y** in the `Priority Messages` field to configure the mailbox for sending priority messages.
5. Enter **0** in the `Mailbox Size` field to configure the mailbox not receive mail messages.

6. Press **⏎** (Enter) to save you changes.
7. Press **⏏** (Cancel) to return to the command line.
8. Enter **exit**.

Task 22 - Change the Subscribers' Passwords

Change the passwords for all subscribers on the AUDIX R1 machine to a common value. This value should be the same as the new password being set up on INTUITY.

⇒ NOTE:
Subscribers should not know this common value.

1. Select the Migrations menu option (Figure 2-21).

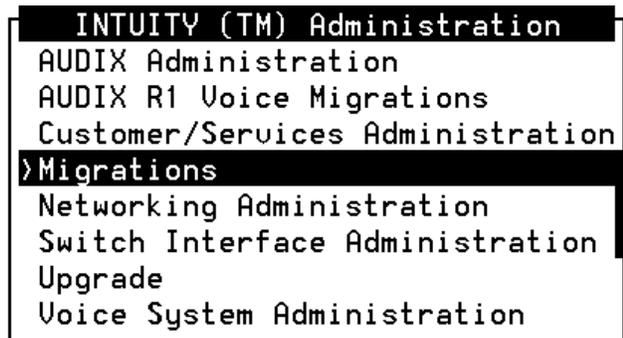


Figure 2-21. INTUITY Administration Menu

The system responds with the Migration to Mach 2 or Mach 3 menu (Figure 2-22).

```
**** Migration to Mach 2 or Mach 3 (mig package version = 3.3-32) ****
1) Transfer data from AUDIX R1
2) Transfer data from AUDIX Voice Power
3) Transfer data from DEFINITY AUDIX
4) Install Default Database
5) Remove Voiced Names
6) Exit
Select option ( ) [ 1 ] : 1
```

Figure 2-22. Migration to Mach 2 or Mach 3 Menu

2. Select option 1, Transfer Data From AUDIX R1.

The system responds with the AUDIX R1 Migration Using ADAP menu (Figure 2-23).

```
**** AUDIX R1 Migration Using ADAP ****
1) Setup Parameters
2) Connectivity Test
3) Begin Migration
4) Display Status
5) Display Logfile
6) Abort Migration
7) Restart Migration
8) Logout

9) Enhanced Migration Options
Select option ( ) [ 4 ] : 9
```

Figure 2-23. AUDIX R1 Migration Using ADAP Menu

3. Select option **9**, Enhanced Migration Options.

The system responds with the Enhanced AUDIX R1 Migration Options menu (Figure 2-24).

```
**** Enhanced AUDIX R1 Migration Options ****
1) Change Migrated Subscriber's Passwords on the R1 Machine
   (do this before invoking a voice data migration)
2) Migrate Subscriber Mailing Lists
3) Return to the R1 Migration Menu
Select option ( ) [ 3 ] : 1
```

Figure 2-24. Enhanced AUDIX R1 Migration Options Menu

4. Select option **1**, Change Migrated Subscriber's Passwords on the R1 machine.

The system responds with the Change Migrated R1 Subscriber Passwords menu (Figure 2-25).

```
**** Change Migrated R1 Subscriber Passwords ****
1) Begin
2) Check Status
3) Display Logfile
4) Abort
5) Exit menu
Select option ( ) [ 1 ] :
```

Figure 2-25. Change Migrated R1 Subscriber Passwords

5. Select option **1**.

Once the changing of the passwords has begun, you have other options related to this task:

- Select option **2** to check the status of the password change.
- Select option **3** to display the log file associated with the password change.
- Select option **4** to abort the password change.

6. Once the password change is complete, select option **5** to return to the Enhanced AUDIX R1 Migration Options.

7. Select option **3** to return to the AUDIX R1 Migration Using ADAP menu.

8. Select option **6** to return to the INTUITY Administration menu.

Task 23 - Set Up Migration Parameters

The migration parameters identify:

- AUDIX Voice Mail telephone number
 - Generic subscriber password
 - Migration sender extension
 - AUDIX version identification
 - Whether to migrate:
 - Subscriber greetings
 - Mail messages
 - Subscriber names
 - Number of channels
1. Select the AUDIX R1 Voice Migration menu option (Figure 2-26).

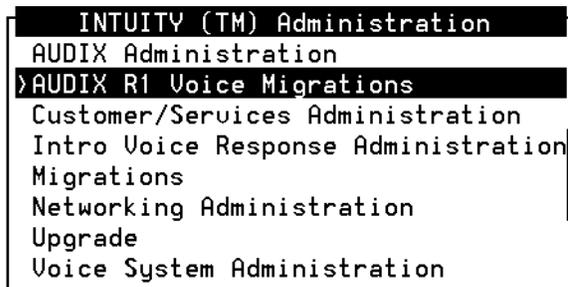


Figure 2-26. INTUITY Administration Menu

The system responds with the Migration Administration menu (Figure 2-27).

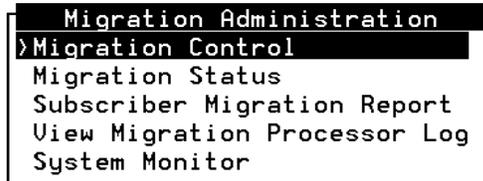


Figure 2-27. Migration Administration Menu

2. Select the Migration Control menu option.

The system responds with the Migration Control menu (Figure 2-28).

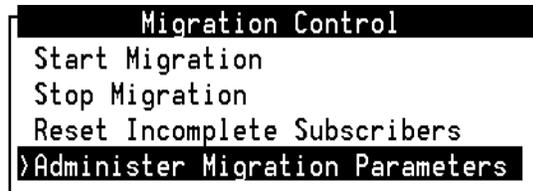


Figure 2-28. Migration Control Menu

3. Select the Administer Migration Parameters menu option.

The system responds with the Migration Parameters screen (Figure 2-29).

Migration Parameters	
AUDIX Voice Mail Phone Number:	4999
Generic Subscriber Password:	1
Migration Sender Extension:	99999
AUDIX Version Identification:	R1V8
Migrate Subscriber Greetings:	Yes
Migrate Mail Messages:	Yes
Migrate Subscriber Names:	Yes
Number of Migration Channels:	6

Figure 2-29. Migration Parameters Screen



NOTE:

To exit the Set Up Parameters prompts at anytime, press **[DEL]**. You will return to the INTUITY Administration menu.

4. Enter data for each field as follows based on the information provided to you by the account executive or project manager assigned to the enhanced migration:
 - **AUDIX Voice Mail Phone Number**
Enter the telephone number for the hunt group used for the subscriber migration. Precede any number external to the local switch with the digit 9 or any other administered dial-out code.
 - **Generic Subscriber Password**
Enter the common password set up for all subscribers for migration purposes.
 - **Migration Sender Extension**
Enter the “special” subscriber’s telephone extension.
 - **AUDIX Version Identification**
Enter the AUDIX release version for which migration is to be executed.

- Migrate Subscriber Greetings

Indicate whether subscriber greetings are to be migrated from the AUDIX R1 to the INTUITY system. Enter **Yes** if greetings are to be migrated or **No** if greetings are not to be migrated.

⇒ NOTE:

Personal greetings are not activated after the migration to the INTUITY system. Subscribers will be required to activate their personal greetings.

- Migrate Mail Messages

Indicate whether subscriber mail messages are to be migrated from the AUDIX R1 to the INTUITY system. Enter **Yes** if mail messages are to be migrated or **No** if mail messages are not to be migrated.

- Migrate Subscriber Names

Indicate whether subscriber names are to be migrated from the AUDIX R1 to the INTUITY system. Enter **Yes** if subscriber names are to be migrated or **No** if subscriber names are not to be migrated.

- Number of Migration Channels

Enter the number of AUDIX R1 channels to be used for migration.

⇒ NOTE:

The number of INTUITY ports in service should be equal to the number of ports in service on the AUDIX R1. If they are not equal, the number should be less than the number of ports on the AUDIX R1 and the number of INTUITY ports in service.

There are a maximum of 16 ports available for migration. If migrating names, only 12 ports are available for migration.

5. Press **F3** (Save) to save the data entered.

Task 24 - Start the Enhanced Migration

⇒ NOTE:

Please instruct the customer, before you start the migration, that they should not add, change, or delete any subscribers on the AUDIX R1 system after the migration has started and before the migration is completed. Any such changes will have to be made again manually on the INTUITY AUDIX system after the migration is complete.

The enhanced migration moves AUDIX R1 subscriber voice data to the INTUITY system. The transfer of voice data can take several hours to finish, depending on the number of subscribers whose voice data is transferring.

⇒ NOTE:

You will receive a failure message if the AUDIX R1 subscriber migration has not been completed prior to beginning the enhanced migrations.

1. Select the Start Migration menu option (Figure 2-30).

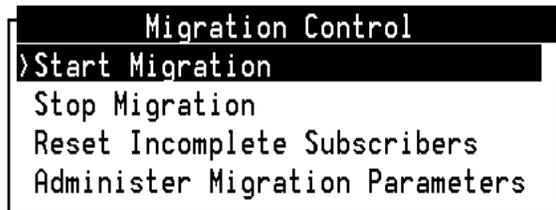


Figure 2-30. Migration Control Menu

The system responds with a Confirm screen (Figure 2-31).

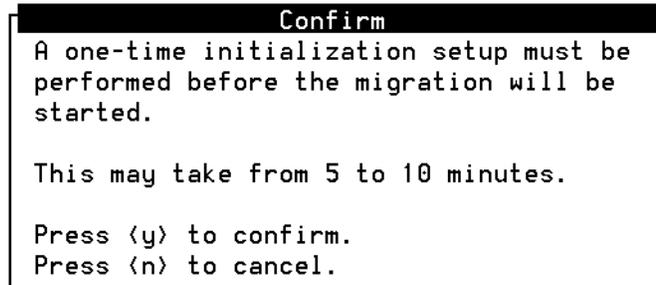


Figure 2-31. Confirm Screen

2. Enter **Y** to begin the initialization.



NOTE:

The system will stop the INTUITY Voice System and initialize the system parameters necessary for the enhanced migration. Once the initialization has been completed, the system will restart the voice system and begin the migration.

The system responds with an Information screen (Figure 2-32).

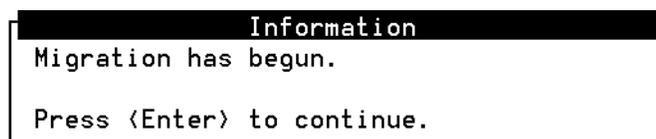


Figure 2-32. Information Screen

3. Press **(ENTER)** to continue.
The system will return to the Migration Control menu.
4. Press **(F6)** (Cancel) to return to the Migration Administration menu.

Task 25 - Monitor the Migration

Check the status of the subscriber voice data transfer to ensure that it continues to run and to get an idea when the transfer will finish. The status of the migration can be verified through the:

- Migration Status Report
 - Subscriber Migration Report
 - View Migration Processor Log
 - System Monitor
1. To check the subscriber voice data transfer status via the Migration Status Report, select option **2** (Figure 2-33).

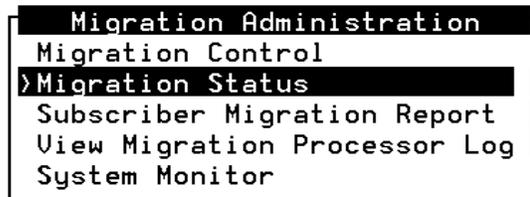


Figure 2-33. Migration Administration Menu

The system responds with the Migration Status Report screen (Figure 2-34).



Figure 2-34. Migration Status Report Screen

2. Press (F6) (Cancel) to return to the Migration Administration menu.
3. To check the subscriber voice data transfer status via the Subscriber Migration Report, select option 3 (Figure 2-35).

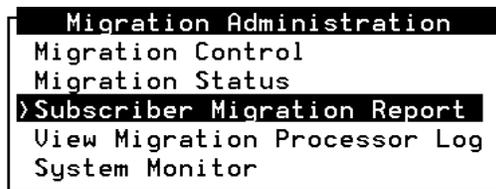
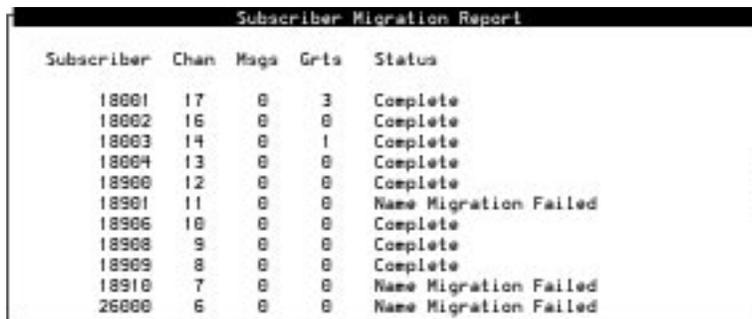


Figure 2-35. Migration Administration Menu

The system responds with the Subscriber Migration Report screen (Figure 2-36).



Subscriber	Chan	Mags	Grtz	Status
18801	17	0	3	Complete
18802	16	0	0	Complete
18803	14	0	1	Complete
18804	13	0	0	Complete
18900	12	0	0	Complete
18901	11	0	0	Name Migration Failed
18906	10	0	0	Complete
18908	9	0	0	Complete
18909	8	0	0	Complete
18910	7	0	0	Name Migration Failed
26000	6	0	0	Name Migration Failed

Figure 2-36. Subscriber Migration Report Screen

4. Press the INCMPLT key for a list of incomplete subscriber migrations (Figure 2-37).
-



Subscriber	Chan	Mags	Grtz	Status
26001	17	0	0	Getting Subscriber
27003	15	0	0	Name not Recorded on R1

Incomplete Migrations Found: 2

Figure 2-37. List of Incomplete Migrations

⇒ NOTE:
To migrate subscribers listed as incomplete, you must correct the error and restart the migration.

5. Press (F6) (Cancel) to return to the Migration Administration menu.

6. To check the processing status of the migration via the View Migration Processor Log, select option 4 (Figure 2-38).

```
Migration Administration
Migration Control
Migration Status
Subscriber Migration Report
>View Migration Processor Log
System Monitor
```

Figure 2-38. Migration Administration Menu

The system responds with the View Migration Processor Log screen (Figure 2-39).

```
Migration Processor Log
Processing Subscriber Data File.
Processing Complete, 6 records read.
Next migration-eligible subscriber record is -1.

Connecting to IMAPI.
IMAPI Connect was Successful.
INTUITY AUDIX R3.3, Iss 3, IMAPI R2.0, Iss 1
IMAPI UNIX R2.0, Iss 1 [R3.3-3.23.0]

Registering MDIP with Voice Platform's BBS.
MDIP Registration Complete.

== MDIP Ready, Entering Main Processing Loop ==
```

Figure 2-39. Migration Processor Log

7. Press **F2** (Previous Page) or **F3** (Next Page) to scroll through the log. Any problems which may be encountered during the migration processing are described within this log and possible solutions are given. These exit codes may be encountered during the processing:
 - **1** indicates that the migration parameters have not been administered.
 - **2** indicates that the subscriber data file is non-existent or is corrupted.
 - **3** indicates that a connection between the AUDIX R1 and the INTUITY systems has not been established.
 - **4** indicates that registration with the bulletin board has not been established.
 - **0** indicates that everything is processing correctly.For help, further information, and possible error solutions press **F1** (Help).
8. Press **F6** (Cancel) to return to the Migration Administration menu.
9. To monitor the system, select option **5** (Figure 2-40).

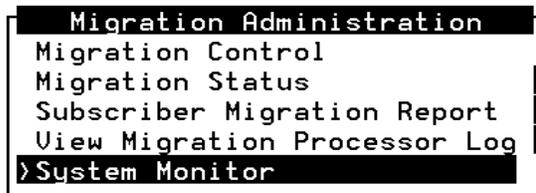
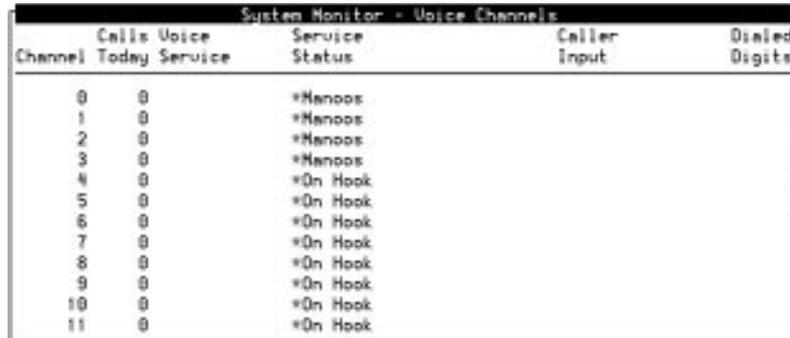


Figure 2-40. Migration Administration Menu

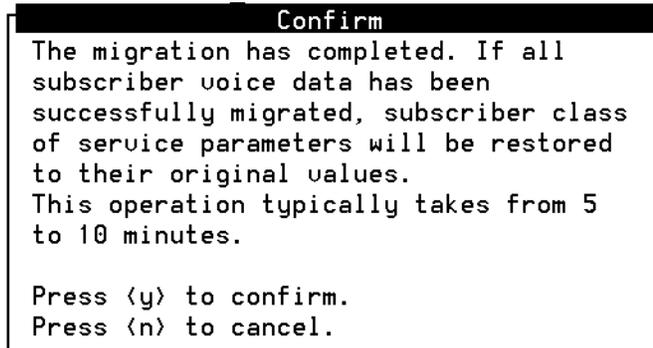
The system responds with the System Monitor - Voice Channels screen (Figure 2-41).



Channel	Calls Today	Voice Service	Service Status	Caller Input	Dialed Digits
0	0		*Handoff		
1	0		*Handoff		
2	0		*Handoff		
3	0		*Handoff		
4	0		*On Hook		
5	0		*On Hook		
6	0		*On Hook		
7	0		*On Hook		
8	0		*On Hook		
9	0		*On Hook		
10	0		*On Hook		
11	0		*On Hook		

Figure 2-41. System Monitor - Voice Channels Screen

10. Press **F6** (Cancel) to return to the Migration Administration menu.
11. Once the migration has successfully completed, the system will display the Confirm screen (Figure 2-42).



```
Confirm
The migration has completed. If all
subscriber voice data has been
successfully migrated, subscriber class
of service parameters will be restored
to their original values.
This operation typically takes from 5
to 10 minutes.

Press <y> to confirm.
Press <n> to cancel.
```

Figure 2-42. Confirm Screen

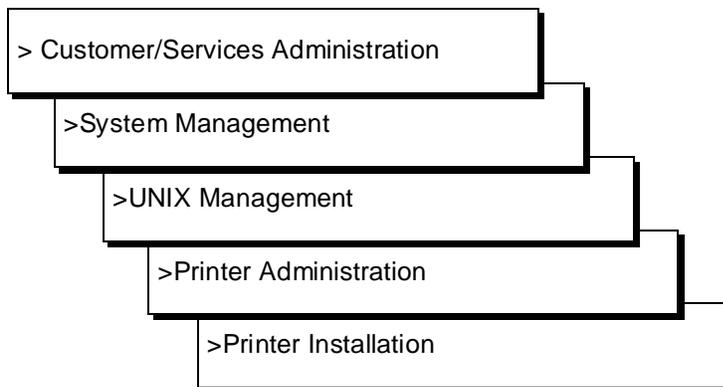
12. Enter **y**. The system will automatically reset the subscriber class of service parameters to their original settings.
13. Press **F6** (Cancel) to return to the Migration Administration menu.

Report Printing

Once the migration has successfully completed, you can print reports listing the migration data information. These reports include:

- Migration Status Report
- Subscriber Migration Report
- Incomplete Migrations Report.

Before you can print the reports, you must verify that a printer is set up. To access the Printer Administration menu from the INTUITY Administration menu, select:



Verify that a printer has been set up, and then print desired reports.

Migration Status Report

To generate the Migration Status Report (Figure 2-43) press from the Migration Status Report screen.



Figure 2-43. Migration Status Report

Subscriber Migration Report

To generate the Subscriber Migration Report (Figure 2-44) press from the Subscriber Migration Report screen.

The screenshot displays the 'Subscriber Migration Report' as a table with the following data:

Subscriber	Chan	Msgs	Grtz	Status
18001	17	0	3	Complete
18002	16	0	0	Complete
18003	14	0	1	Complete
18004	13	0	0	Complete
18900	12	0	0	Complete
18901	11	0	0	Name Migration Failed
18906	10	0	0	Complete
18908	9	0	0	Complete
18909	8	0	0	Complete
18910	7	0	0	Name Migration Failed
26000	6	0	0	Name Migration Failed

Figure 2-44. Subscriber Migration Report Screen

Incomplete Migrations Report

To generate the Incomplete Migrations Report (Figure 2-45) press from the Incomplete Migrations Report screen.

Subscriber	Chan	Msgs	Grts	Status
26001	17	0	0	Getting Subscriber
27003	15	0	0	Name not Recorded on R1

Incomplete Migrations Found: 2

Figure 2-45. List of Incomplete Migrations Report Screen

⇒ NOTE:

Approximately 60 lines will be printed per page for each report.

Common Unsuccessful Migration Error Messages

Appendix A contains a list of migration error codes. Listed below are common error messages which you might see during the enhanced migration.

⇒ NOTE:

All of these failures can be resolved and the migration restarted. For further information, see "Stopping and Restarting the Migration".

Communication Failure - This message indicates that the touch tone playback and receipt are out of synch.

Depositing Mail Message - This message indicates that the migration did not complete and the subscriber is left in the "depositing mail message" stage of the migration.

Greeting Migr Failed - This message indicates that the system could not deposit a recorded greeting into the person's new mailbox. IMAPI was probably not enabled.

Incomplete Migration - This message indicates that more than one error, name migration failure, greeting migration failure, and/or mail message migration failure, has occurred.

Login Failed - This message indicates that the password entered is incorrect or that the subscriber was deleted on the AUDIX R1. Re-enter the correct password or call into the AUDIX R1 and verify whether the subscriber was deleted correctly.

Mail Msg Migr Failed - This message indicates that the system could not deposit a recorded message into a subscriber's new mailbox. IMAPI was probably not enabled, permission for that subscriber did not allow a call-answer message to be received, or a mail message was too large to be deposited into the mailbox. Permission may have been set to auto-attendant or bulletin board or the size of this subscriber's call-answer needs to be enlarged.

Name Migration Failed - This message indicates that the system could not deposit a recorded name into the subscriber's new mailbox. IMAPI was probably not enabled.

Name Not Recorded on R1 - This message indicates that the subscriber had not recorded their name on the AUDIX R1 system. Log on as this subscriber and record a name.

Failed to Get Passwords on the AUDIX R1 - This messages indicates that the passwords were not converted on the AUDIX R1 machine to a common value. All subscribers will receive this error message. The passwords need to be converted.

Stopping and Restarting the Migration

If errors appear during the migration or while you are monitoring the migration, you may need to stop the migration.

1. From the Migration Administration menu, select Migration Control (Figure 2-46).

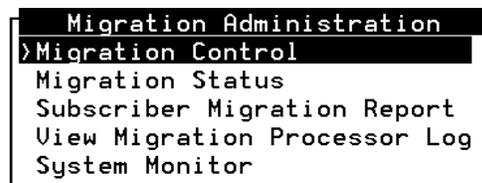


Figure 2-46. Migration Administration Menu

The system responds with the Migration Control menu (Figure 2-47).

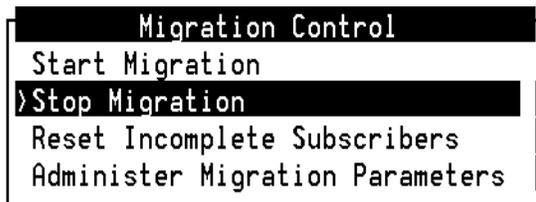


Figure 2-47. Migration Control Menu

The data transfer stops and the system responds with the Confirm screen (Figure 2-48).

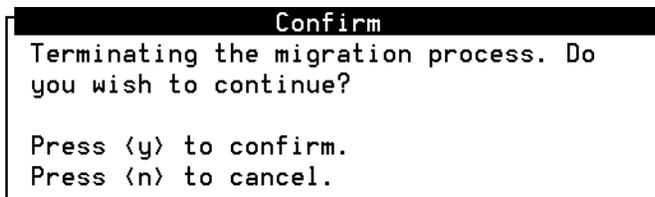


Figure 2-48. Confirm Screen

2. Enter **y**.
3. Press **F6** (Cancel) until you return to the Migration Control menu.

⇒ NOTE:

The subscriber voice data migration program saves the data up to the point of the last completed step. This means that the system will complete the subscriber voice data transfer for the subscriber in progress at the time of the "stop".

4. After resolving any errors that occurred during the migration process or while monitoring the migration, you can restart the migration by selecting option 3 (Figure 2-49).

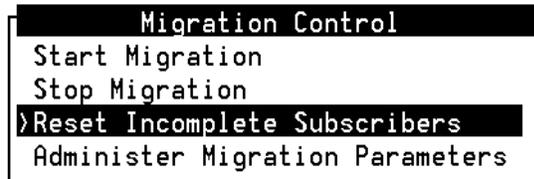


Figure 2-49. Migration Control Menu

The system responds with the Confirm screen (Figure 2-50).

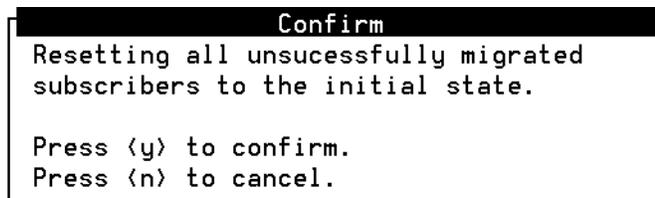


Figure 2-50. Confirm Screen

5. Enter **y**.
6. Press **F6** (Cancel) until you return to the Customer/Services Administration menu.

Task 26 - Verify the Hunt Group Number

Verify that the hunt group number for the INTUITY system is the same as the number subscribers used to access the AUDIX R1 machine.

If they are the same, subscribers will be able to dial the same number on the INTUITY system that they were dialing on the AUDIX R1 system to receive their messages.

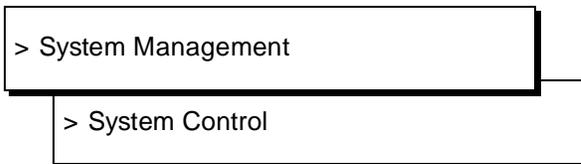
Task 27 - Restore the IMAPI System Parameters

Request that the remote maintenance center restore the IMAPI functions on the Feature:Options screen to their original settings.

Task 28 - Stop the INTUITY Voice System

The following procedure describes how to stop the INTUITY voice system so that enhanced migration software can be removed.

1. Starting at the Customer/Services Administration menu, select:



The system responds with the System Control menu (Figure 2-51).



Figure 2-51. System Control Menu

2. Select `Stop Voice System`.

The system responds with the following prompt:

Enter y to continue, n to quit.

3. Enter `y`.

The system responds with the following text:

**The Voice System is now stopping.
Initializing request to clear all calls in the next 180 seconds.
Orderly idling of system succeeded.
The AUDIX(R) module is being stopped. Please wait.Networking
module shutdown in progress....
.Networking Module shutdown.
.....
AUDIX(R) module stopped.
After the Voice System has completely stopped, use the
"Start Voice System" choice from the System Control menu to restart the
voice system.
INIT : New run level : 3
The Voice System has stopped
Press ENTER to continue.**

4. Press **ENTER** .

The system returns to the System Control menu.

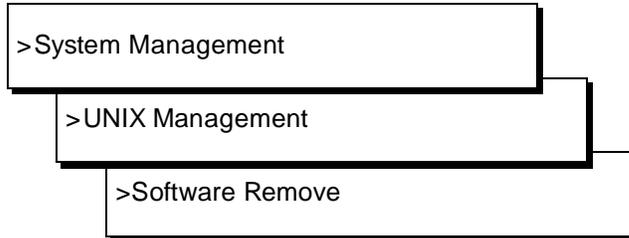
5. Press **F6** (Cancel).

The system returns to the System Management menu.

Task 29 - Remove the Enhanced AUDIX R1 Migration Software

To preserve disk space, remove the enhanced migration software after the migration has successfully completed.

1. At the System Management menu, select:



The system responds with the Installed Software List (Figure 2-52) appears:

```
The following packages are available:
1 IUC6DI      AT&T Intuity IUC6 Device Interface for softFAK 2.0
                (x86sur4_intal) 2.0c120110
2 IUR        Intuity Intro Voice Response Set
                (486) 1.0-16
3 UM         AUDIX(R) Module marker file
                (AUDIX) NA
4 UM-dfltdb  AUDIX(R) Default db
                (AUDIX) 2.0-18
5 UM-files   AUDIX(R) Files
                (AUDIX) 3.3-23
6 UM-sw      AUDIX(R) Software
                (AUDIX) 3.3-23
7 UM-upg     AUDIX(R) Upgrade
                (AUDIX) 3.2-8
8 Uex       Intuity Application Software Set
                (486) 3.0-23
9 VoiceCalc  Interactive Voice Calculator
                (486) R1.0
10 acp       Enhanced Application Compatibility
                (386) 1

... 56 more menu choices to follow;
(RETURN) for more choices, (CTRL-D) to stop display;
```

Figure 2-52. Installed Software List

2. Press **ENTER** to scroll through the list until you find the number of the enhanced migration software.
3. When you have identified the number, press **CTRL** **D**.

The system responds with the following prompt:

**Select package(s) you wish to process (or 'all' to process all packages).
(default: all) [?,??,q]:**

4. Enter the number of the enhanced migration software.

The system responds with the following prompt:

Migration Removal Confirmation Prompt

5. Enter **y**.
6. Press **F6** (Cancel) until you return to the System Management menu.

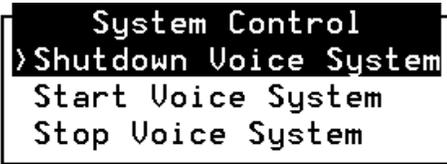
Task 30 - Reboot the INTUITY System

1. Starting at the System Management menu, select:



```
> System Control
```

The system responds with the System Control menu (Figure 2-53).



```
System Control  
>Shutdown Voice System  
Start Voice System  
Stop Voice System
```

Figure 2-53. System Control Menu

2. Select `Shutdown Voice System`.

The system responds with the following prompt:

Enter y to continue, n to quit

3. Enter `y`.

The system responds with the following text:

```
voice system is not running  
Shutdown started. Month date time year  
INIT: New run level: 0  
The system is coming down. Please wait
```

```
The system is down.  
Press CTRL-ALT-DEL to reboot your computer.
```

4. Press `CTRL` `ALT` `DELETE`

The system returns to the INTUITY Administration menu.

Task 31 - Restore the Original AUDIX R1 Passwords

Restore the AUDIX R1 passwords using the back-up tape created during the *Back Up Data on the AUDIX R1* procedure for the enhanced migration.

⇒ NOTE:

This procedure is optional. If the AUDIX R1 machine is not going to remain in service for any period of time, it is not necessary to restore the original passwords.

Task 32 - Power Down the AUDIX R1

You must power down the AUDIX R1 machine after completing a successful enhanced migration. Complete the following procedures:

1. Pull out the handle on the MI (TN511) toggle switch and move it to the normal (center) position.
2. After a brief pause, move the toggle switch to the shutdown (right) position. The green "ACT" light will be activated.
3. Wait for 30 to 300 seconds; until the red "COMPL" light is activated.
4. Push the RCD-1 button and wait for the green "ACT" light to deactivate.
5. Turn off the circuit breaker in the lower cabinet.
6. Turn off the circuit breaker in the upper cabinet (if this is a two-cabinet system).



NOTE:

For more detailed information on powering down an AUDIX R1 machine, refer to *AUDIX Maintenance for Tier 1*.

Task 33 - Remove the TN535 Procmon Circuit Card

To remove the TN535 procmon circuit card, take the card out of slot #8.

 **NOTE:**

For detailed information on removal of the TN535 procmon circuit card, refer to *AUDIX Maintenance for Tier 1*.

 **CAUTION:**

You must take the TN535 procmon circuit card and H600-258 Group 1 cable with you when the enhanced migrations are complete and you leave the site.

Task 34 - Power Up the AUDIX R1

You must power up the AUDIX R1 machine after removing the TN535 procmon circuit card. Complete the following procedures:

1. Turn on the circuit breaker in the lower cabinet.
2. Turn on the circuit breaker in the upper cabinet (if this is a two-cabinet system).

For more detailed information on powering up an AUDIX R1 machine, refer to *AUDIX Maintenance for Tier 1*.



NOTE:

It may take several minutes for the system to return to service.

Task 35 - Administer the Switch

Once the enhanced migration from the AUDIX R1 machine to the INTUITY system has been successfully completed, you must administer the switch associated with the INTUITY system.

Table 2-3 lists the tasks necessary for administering the switch on the INTUITY system for the enhanced migration. The table assumes that the customer will want to keep the AUDIX R1 mailboxes available for subscribers after the migration. Subscribers may want to retrieve old messages from the AUDIX R1 system.

Based on the type of switch and INTUITY system you will be administering, you will need the following books to help you complete these tasks:

- *INTUITY Integration with System 75, DEFINITY Communications System Generic 1 and 3*
- *INTUITY Integration with System 85 and DEFINITY Communications System Generic 2*
- *INTUITY MAP/5 Hardware Installation, INTUITY MAP/40 Hardware Installation or INTUITY MAP/100 Hardware Installation*
- The installation document for the customer's switch

Table 2-3. Switch Administration Tasks for Migration From AUDIX R1 (Standard Migration)

Task	Description	Reference
1.	<p>Create new voice ports for the AUDIX R1 system. The customer will most likely want to use most or all of the existing R1 ports for the INTUITY system. (Optional)</p> <ul style="list-style-type: none"> ■ These new voice ports will allow subscribers to get their old messages. In this case, the R1 system will require only a few ports. The AUDIX R1 system will have to be recabled for the new voice ports. <p style="text-align: center;"> NOTE: The customer may want to move a few existing ports from the old AUDIX R1 hunt group to the new AUDIX R1 hunt group.</p>	<ul style="list-style-type: none"> ■ System 75, G1, and G3 - Chapters 3, 4, or 5 in the associated INTUITY Switch Integration book ■ System 85 and G2 - Chapter 3 in the associated INTUITY Switch Integration book
2.	<p>Create a new AUDIX R1 hunt group.</p> <ul style="list-style-type: none"> ■ This creates a new telephone number subscribers can call to get their old AUDIX R1 messages. Depending on the customer's desire, assign some existing voice ports to this new hunt group or assign the newly created voice ports to the hunt group. 	<ul style="list-style-type: none"> ■ For System 75, G1, and G3 - Chapters 3, 4, or 5 in the associated INTUITY Switch Integration book ■ For System 85 and G2 - Chapter 3 in the associated INTUITY Switch Integration book
3.	<p>Create two test subscriber stations with the existing AUDIX R1 coverage path.</p> <ul style="list-style-type: none"> ■ This lets you test the switch connections and the INTUITY AUDIX system before putting it into service for real subscribers. Use the extensions of these stations when you add test subscribers on the INTUITY AUDIX system. 	<ul style="list-style-type: none"> ■ For System 75, G1, and G3 - Chapter 8 in the associated INTUITY Switch Integration book ■ For System 85 and G2 - Chapter 6 in the associated INTUITY Switch Integration book

Task 36 - Cable the INTUITY System and Recable the AUDIX R1 System

Once the enhanced migration from the AUDIX R1 system to the INTUITY system has been successfully completed, you must cable the INTUITY system.

You cannot use the AUDIX R1 system cables for connecting the INTUITY system to the switch. Therefore, you must cable the INTUITY system to the switch as if it were a new installation. Table 2-4 lists the tasks you must complete in order to cable the INTUITY system to the switch.

⇒ NOTE:

You may also have to recable the AUDIX R1 system to the switch if the customer is using new voice ports for the AUDIX hunt group.

Table 2-4. Tasks to Cable the INTUITY AUDIX System and Recable the AUDIX R1 System (Enhanced Migration)

Task	Description	Reference
1.	Busy out the old AUDIX R1 voice ports. <ul style="list-style-type: none"> ■ This lets you remove the voice port cabling. 	<ul style="list-style-type: none"> ■ For System 75, G1, and G3 - Chapters 3, 4, or 5 in the associated INTUITY Switch Integration book ■ For System 85 and G2 - Chapter 3 in the associated INTUITY Switch Integration book
2.	Disconnect the voice port cabling to the AUDIX R1 system and cable the voice ports to the INTUITY AUDIX system	The appropriate switch installation book.
3.	Power down the INTUITY system. Log off and turn off the computer.	Not applicable
4.	Power down the AUDIX R1. Log off and turn off the computer.	Not applicable
5.	Disconnect the BX.25 cabling to the AUDIX R1 system.	<i>AUDIX Installation</i>
6.	Connect the BX.25 cabling to the INTUITY AUDIX system.	<i>INTUITY MAP/5 Hardware Installation, INTUITY MAP/40 Hardware Installation, or INTUITY MAP/100 Hardware Installation</i>
7.	Turn on the INTUITY machine and log on <ul style="list-style-type: none"> ■ This puts the INTUITY system into service for the test stations. 	<i>INTUITY MAP/5 Hardware Installation, INTUITY MAP/40 Hardware Installation or INTUITY MAP/100 Hardware Installation</i>
8.	Connect the AUDIX R1 cabling to the new AUDIX R1 voice ports	<i>AUDIX Installation</i>

Overview

A DEFINITY AUDIX customer can migrate to the INTUITY system from one of two possible configurations of the DEFINITY AUDIX system:

- Control Link (CL) mode
Replaces the DEFINITY AUDIX system and uses the existing control link cable and data link administration for the INTUITY system.
- Digital Port emulation (DP) mode:
Replaces the DEFINITY AUDIX system but requires the installation of a data link cable and administration of the data link for the INTUITY system.

The customer can keep the DEFINITY AUDIX connected as a tandem system if additional voice ports beyond those of the INTUITY system are necessary. However, this option requires the readministration of the DEFINITY AUDIX hunt group since the customer will probably want to use the existing AUDIX extension for the INTUITY system. On a System 75, Generic 1, Generic 3s, or Generic 3i, it also requires that the DEFINITY AUDIX run in DP mode, since these switches support only one AUDIX hunt group with a BX.25 connection. On a Generic 3r, the tandem DEFINITY AUDIX can run in either CL or DP mode.



CAUTION:

Migrating DEFINITY AUDIX data will overwrite any existing data on the INTUITY system, including any data previously migrated.

Materials and Information Needed

You need the following items to successfully complete the migration from a DEFINITY AUDIX system to an INTUITY system:

- Two migration software diskettes
 - for the *mig* software
 - for the *st03* tape driver software
- Migration Checklist
- A SCSI tape drive unit connected to the INTUITY system (shipped from the remote maintenance center)
- Two blank 160-Mbyte tapes for DEFINITY AUDIX data backups (shipped from the remote maintenance center).
 - for nightly and weekly back-up data
 - for voice back-up data
- INTUITY installation hardware

You will need the following books:

- *INTUITY Platform Administration and Maintenance for Release 3.0* (585-310-557)
- *INTUITY Integration with System 75, DEFINITY Communications System Generic 1 and Generic 3* (585-310-214)
- Appropriate hardware installation guide
- Appropriate installation book for the customer's switch
- *AUDIX Installation*

Migration Checklist

Table 3-1 shows the migration tasks, in the sequence they should occur, for a migration from a DEFINITY AUDIX Voice Power system to the INTUITY system.

Table 3-1. Migration Checklist

Task	Description	✓
1.	Install the PI or PGATE circuit card (DP mode only)	
2.	Get the DEFINITY AUDIX profile	
3.	Cable the INTUITY voice ports	
4.	Back-up the DEFINITY AUDIX data	
5.	Verify the installed migration software	
6.	Install the migration software (if necessary)	
7.	Connect the Small Computer System Interface (SCSI) tape drive	
8.	Run the data transfer	
9.	Check the log file	
10.	Verify the transfer of data	
11.	Remove the migration software	
12.	Cable the INTUITY system	
13.	Administer the switch	

Task 1 - Install the PI or PGATE Circuit Card (DP Mode Only)

If the DEFINITY AUDIX system is in DP mode, the system does not require a BX.25 data link to the switch. Therefore, certain types of switches may require a PI or PGATE circuit card. See the installation book for the customer's switch for more information on how to install one of these circuit cards.

Task 2 - Get the DEFINITY AUDIX Profile

You need the following information from the DEFINITY AUDIX machine before you begin the migration. This information may be available from the remote maintenance center or from the customer's planning worksheets. If you do not have this information, retrieve it from the DEFINITY AUDIX screens as described in Table 3-2.

Table 3-2. DEFINITY AUDIX Profile Information Needed

DEFINITY AUDIX Screen	Information Needed
Machine Profile	Extension length of local DEFINITY AUDIX
List Machine	Networked AMIS machine names and voice IDs <div style="text-align: right;">  NOTE: If AMIS networking is active when you back-up data for the migration, the data transfer to the INTUITY system will overwrite the address ranges that you preadministered in the INTUITY system. Therefore, you should administer networking after the data transfer. </div>
Network Machine Profile	Network machine configurations
Switch Link	Switch link embedded parameters (DP mode only) OR Switch link parameters (DCIU-SC)

 **NOTE:**
 Be sure a printer is connected to the DEFINITY AUDIX terminal and is set to on-line.

Log on to the DEFINITY AUDIX machine using the *craft* login.

Enter **513** for the following terminals:

- 513 BCT
- 610 BCT
- 610 or 615 MT running a 513 emulation package
- 715 BCS
- PC running a 513 emulation package

Enter **5420** for the following terminals:

- 5420
- 4415
- 705
- 610 or 615 MT *not* running a 513 emulation package

⇒ NOTE:

Print the screens using one of the following methods:

- For a 4410, 4425, or 610 terminal:
 1. Press **CTRL** **F4** to display the screen-labeled print keys.
 2. Press **F3** (Print Screen) to print the screen.
 3. Press **CTRL** **F6** to return the screen-labeled keys to their original state.
- For a 715 terminal:
 1. Press **PRINT-SCRN** to print the screen.
- For a 513 terminal:
 1. Press **F10** to display the first layer of screen-labeled keys for the terminal.
 2. Press **F1** to display the screen-labeled print keys.
 3. Press **F7** (Print Screen) to print the screen.
 4. Press **F10** and **F5** to return the screen-labeled keys to their original state.

Repeat steps 2 and 3 for each screen you need to print.

Machine Profile Screen

1. At the DEFINITY AUDIX command line, type **display machine** and press **(F3)** (Enter).

The system reponds with the Machine Profile screen (Figure 3-1).

```
display machine Refresh          Enter          ClearFld          Help Page 1 of 2
                                MACHINE PROFILE
Machine Name: denverc1          Machine Type: audix          Location: local
Voiced Name? y          Extension Length: 5
Voice ID: 0          Default Community: 1
ADDRESS RANGES
Prefix          Start Ext.          End Ext.          Warnings
1:          80000          99999
2:          21000          21016
3: 87          50000          59999
4:
5:
6:
7:
8:
9:
10:
enter command: display machine
```

Figure 3-1. Machine Profile Screen

2. Print the screen.
3. Press **(F1)** (Cancel).

The system will return to the DEFINITY AUDIX command line.

List Machine Screen

1. Type **list machine** and press **(F3)** (Enter).

The system reponds with the List Machine screen (Figure 3-2).

```

denvercl Active Alarms: A Thresholds: none Logins: 1
list machines Refresh Enter ClearFld Help Page 1
LIST MACHINES

Machine Machine Type Voice ID Callback No.
SCSS0 amisap 24 1
acdenuer amisac 1 1
alphaudix amisap 22 1
ax85 audix 7 N/A
bclists amisap 15 1
bellcore amisap 16 1
bw1 amisap 14 1
remote-extebw2ons toamisapay remote s21scribers byextension
subscribersbw3 toamisaplocal subsc1lbers in aplphabetical order
calldelu calld 2 N/A
denver audix 13 N/A
denvercl audix 0 N/A

Press [NextPage] for more data or [Cancel] to abort
enter command: list machines
    
```

Figure 3-2. List Machine Screen

2. Print the screen.
3. Press **(F1)** (Cancel).

The system will return to the DEFINITY AUDIX command line.

Network Machine Profile Screen

1. Type **display machine *machine name*** and press (F3) (Enter).



NOTE:

Machine name is the name of the networked machine

The system responds with the Machine Profile screen (Figure 3-3).

```
display machine nj-casual                                     Page 1 of 2
MACHINE PROFILE
LIST MACHINES
Machine Name: nj-casual   Machine Type: amisac           Location: remote
Voiced Name? n           Extension Length: 10
Voice ID: 5              Default Community: 1
ADDRESS RANGES
Prefix                   Start Ext.   End Ext.     Warnings
1: 9                     1000000000  9999999999
2:
3:
4:
5:
6:
7:
8:
9:
10:
Press [Cancel] to r
Command aborteddisplay machine nj-casual
```

Figure 3-3. Machine Profile Screen

2. Print the screen.
3. Press (F1) (Cancel).

The cursor returns to the DEFINITY AUDIX command line.



NOTE:

Repeat steps 1 through 3 for each networked machine.

Switch Link Screen

1. Type **display switch-link** and press **F3** (Enter).

The system reponds with the Switch Link Embedded screen (Figure 3-4).

```
display switch-link                               Page 1 of 1
                SWITCH LINK EMBEDDED
                Host Switch: 16   AUDIX: 3
TIMEOUT PARAMETERS
Call Answer Timeout: 5   Timeout Treatment: none   Extension:

Press [Cancel] to r
Command aborted
```

Figure 3-4. Switch Link Embedded Screen

2. Print the screen.
3. Press **F1** (Cancel).
The cursor returns to the command line.
4. Enter **logoff**.

Collect the printed screens from the printer.

Task 3 - Cable the INTUITY Voice Ports

Cable the INTUITY system voice ports to the switch as you would with a new installation. See the installation book for the customer's switch and one of the following:

- *INTUITY MAP/5 Hardware Installation (585-310-146)*
- *INTUITY MAP/40 Hardware Installation (585-310-138)*
- *INTUITY MAP/100 Hardware Installation (585-310-139)*



NOTE:

Do *not* create a new INTUITY hunt group. Reuse the existing DEFINITY AUDIX hunt group. Add the INTUITY voice ports to the hunt group and remove the voice ports of the DEFINITY AUDIX system.

Task 4 - Back-up the DEFINITY AUDIX Data

1. Log on to the DEFINITY AUDIX machine using the *craft* login. Enter the terminal type as follows:

Enter **513** for the following terminals:

- 513 BCT
- 610 BCT
- 610 or 615 MT running a 513 emulation package
- 715 BCS
- PC running a 513 emulation package

Enter **5420** for the following terminals:

- 5420
- 4415
- 705
- 610 or 615 MT *not* running a 513 emulation package

The system responds with a blank DEFINITY AUDIX Administration screen (Figure 3-5).

```
drmf2      Active   Alarms: mwa  Thresholds: none          Logins: 3
```

```
DEFINITY(R) AUDIX(R) System
enter command:
1Cancel  2Refresh  3Enter  4ClearFld  5Help  6Choices  7NextPage  8PrevPage
```

Figure 3-5. DEFINITY AUDIX Administration Screen

⇒ NOTE:

The back-up of DEFINITY AUDIX data takes between 30 and 60 minutes, depending on the size of the files.

2. Enter **reset system o**.

The system responds with the Reset System OA&M screen (Figure 3-6).

```
denvercl Active Alarms: A Thresholds: none Logins: 1
reset system oa&m Page 1 of 1
RESET SYSTEM OA&M
```

WARNING - Pressing [Enter] now causes the system to be reset to the OA&M state.
The reset cannot be cancelled after [Enter] has been pressed.
The reset will be performed in a camp-on manner.
Press [Cancel] to avoid doing the reset.

```
enter command: reset system oa&m
1Cancel 2Refresh 3Enter 4ClearFld 5Help 6Choices 7NextPage 8PrevPage
```

Figure 3-6. Reset System OA&M Screen

3. Press **(F3)** (Enter).

The system stops all calls and the cursor returns to the DEFINITY AUDIX command line.

4. Insert the first 160-Mbyte tape into the tape drive.

5. Enter **add tape**.

6. Type a new name in the **Volume Name** field and press **(F3)** (Enter).

The system save the new name and the cursor returns to the command line.

7. Enter **save nightly**.

The system responds with the Save Nightly screen (Figure 3-7).

```
denvercl Active Alarms: A Thresholds: none Logins: 1
save nightly Page 1 of 1
SAVE NIGHTLY
```

Status of most recent "save nightly" backup: completed

```
Press [ENTER] to execute or press [CANCEL] to abort
enter command: save nightly
1Cancel 2Refresh 3Enter 4ClearFld 5Help 6Choices 7NextPage 8PrevPage
```

Figure 3-7. Save Nightly Screen

8. Press **[F3]** (Enter) to run the nightly backup.

The tape is rewound so that previous data is erased. The back-up begins and the cursor returns to the command line.

⇒ NOTE:

Check the status periodically using the `status tape` command.

9. When the nightly back-up is complete (it takes approximately 5 minutes), enter **save weekly**.

The system responds with the Save Weekly screen (Figure 3-8).

```
denvercl Active Alarms: A Thresholds: none Logins: 1
save weekly Page 1 of 1
SAVE WEEKLY
```

Status of most recent "save weekly" backup: completed

```
Press [ENTER] to execute or press [CANCEL] to abort
enter command: save weekly
1Cancel 2Refresh 3Enter 4ClearFld 5Help 6Choices 7NextPage 8PrevPage
```

Figure 3-8. Save Weekly Screen

10. Press **F3** (Enter) to run the weekly back-up.

The backup begins and the cursor returns to the command line.

⇒ NOTE:

Check the status periodically using the **status tape** command.

11. When the back-up is complete (it takes approximately 5 minutes), enter **remove tape**.

The system responds with the Remove Tape screen (Figure 3-9).

```
remove tape                                     Page 1 of 1
                                                age 1 of 1
                                TAPE
Tape Drive Location: 03C1401
      Volume Type: backup
      Volume Name: alpha.backup 9/17
Software Release: Release 3.2, Issue 1
      Machine Name: denverc1
      Creation Date: 09/17/95
      Status of most recent "add tape" operation: completed

Press [Enter] to execute or [Cancel] to abort
enter command: remove tape
```

Figure 3-9. Remove Tape Screen

12. Press **F3** (Enter) to release the tape for removal.
13. Remove the tape from the tape drive.
14. Enter **add tape** at the command line.

The system responds with the Add Tape screen (Figure 3-10).

```
denverc1 Active Alarms: A Thresholds: none Logins: 1
change tape Page 1 of 1
Tape Drive Location: 03C1401
Volume Type: backup
Volume Name: R3denverc1081893
Software Release: Release 3.0, Issue 1
Machine Name: denverc1
Creation Date: 06/09/93
Status of most recent "add tape" operation: completed
```

```
enter command: change tape
1Cancel 2Refresh 3Enter 4ClearFld 5Help 6Choices 7NextPage 8PrevPage
```

Figure 3-10. Add Tape Screen

15. Enter a volume type and volume name.
16. Place the second 160-Mbyte tape in the tape drive and press **␣** (Enter).
17. Enter **save voice**.

The system responds with the Save Voice screen (Figure 3-11).

```
remove tape
save voice                                     Page 1 of 1
                                     SAVE VOICE

                                     Status of most recent "save voice" backup: not run

Press [ENTER] to execute or press [CANCEL] to abort
enter command: save voice
```

Figure 3-11. Save Voice Screen

18. Press **[F3]** (Enter) to run the voice back-up.

The back-up begins and the cursor returns to the command line.



NOTE:

Check the status periodically using the **status tape** command.

19. When the back-up is complete (it takes approximately 20-30 minutes), enter **remove tape**.

The system responds with the Remove Tape screen (Figure 3-12).

```
remove tape                                     Page 1 of 1
                                                age 1 of 1
                TAPE
Tape Drive Location: 03C1401
      Volume Type: backup
      Volume Name: alpha.backup 9/17
Software Release: Release 3.2, Issue 1
      Machine Name: denverc1
      Creation Date: 09/17/95
      Status of most recent "add tape" operation: completed

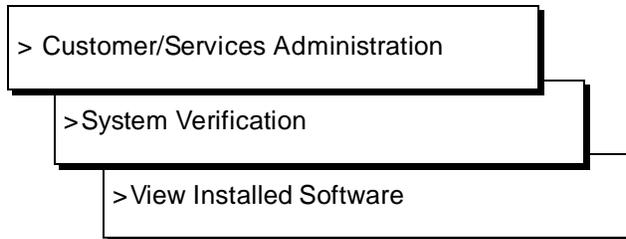
Press [Enter] to execute or [Cancel] to abort
enter command: remove tape
```

Figure 3-12. Remove Tape Screen

20. Press **(F3)** (Enter).
21. Remove the tape from the tape drive.
22. Log out of the DEFINITY AUDIX system.

Task 5 - Verify the Installed Migration Software

1. Log on to the INTUITY system using the *craft* login.
2. Starting at the INTUITY Administration menu, select:



The system responds with the View Installed Software screen (Figure 3-13).

```
View Installed Software
Displaying pkginfo for all packages installed on this system...
application IVC6DI      AT&T Intuity IVC6 Device Interface for
softFAX 2.0
application UM         AUDIX(R) Module marker file
intuity   UM-dfltdb    AUDIX(R) Default db
intuity   UM-files     AUDIX(R) Files
intuity   UM-sw        AUDIX(R) Software
intuity   UM-upg       AUDIX(R) Upgrade
Intuity   VoiceCalc    Interactive Voice Calculator
system   acp           Enhanced Application Compatibility
system   audfs         AUDIX File system
```

Figure 3-13. View Installed Software Screen

3. Search for the following items:

application mig	Migrations
system st03	AUDIX SCSI Tape Driver



NOTE:

These items may not be listed together. Press **(NEXTPAGE)** to page down and press **(PREVPAGE)** to page up through the list.

4. If the items are listed, go to the Task 7 - Connect the Small Computer System Interface (SCSI) Tape Drive procedure. If these items are *not* listed, go to the Task 6 - Install the Migration Software procedure.

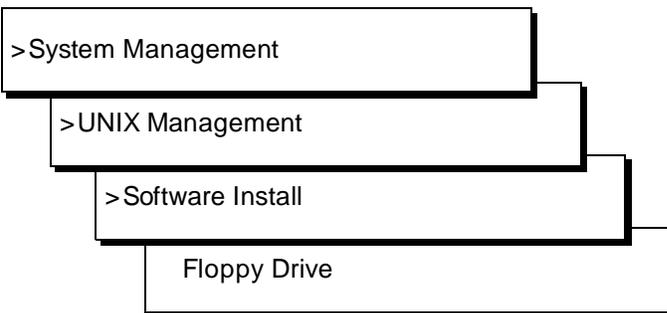
Task 6 - Install the Migration Software

⇒ NOTE:

If the software has not previously been installed, see Task 5 - Verify the Installed Migration Software, this task *must* be completed. If the software has been previously installed, go to the Task 7 - Connect the Small Computer System Interface (SCSI) Tape Drive procedure.

The INTUITY system uses the migration software to read the DEFINITY AUDIX back-up tapes, retrieve data, and format the data for the INTUITY system. To load migration software:

1. Locate the floppy disk that contains the migration software. This disk is shipped with the INTUITY system.
2. Starting at the Customer/Services Administration menu, select:



The system responds with the following prompts:

**Insert a diskette into Floppy Drive 1.
Type [go] when ready
or [q] to quit: (default: go)**

3. Insert the first diskette into the floppy drive.
4. Press **ENTER**.

The system responds with the following prompts:

**Installation in progress. Do not remove the diskette.
The following package is available:
1 mig Migrations
[AUDIX] 2.0-14
Select package(s) you wish to process [or 'all' to process
all packages). (default: all) [?,??,q]:**

5. Press **[ENTER]**.

The system responds by installing the software. While the software is being installed, the system lights the LED on the floppy disk drive.

When the system is finished installing the software, the cursor returns to the Floppy Drive menu option on the Software Install menu.

6. Remove the diskette from the floppy drive.
7. Insert the second diskette into the floppy drive.
8. Press **[ENTER]**.

The system responds with the following prompts:

Installation in progress. Do not remove the diskette.

The following package is available:

1 st03 AUDIX SCSI Tape Driver

(MFB} 2.0-14

Select package(s) you wish to process [or 'all' to process

all packages). (default: all) [?,??,q]:

9. Press **[ENTER]**.

The system responds by installing the software. While the software is being installed, the system lights the LED on the floppy disk drive.

When the system is finished installing the software, the cursor returns to the Floppy Drive menu option on the Software Install menu.

10. Press **[F6]** (Cancel) until you return to the INTUITY Administration menu.
11. Log off the INTUITY system.

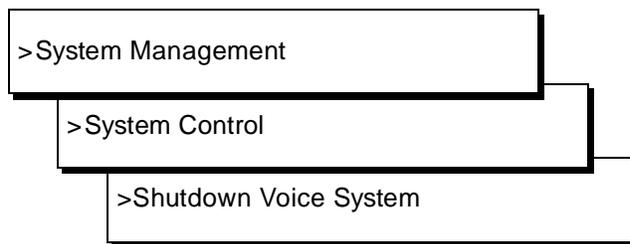
⇒ NOTE:

The system does not display the Migration menu option on the INTUITY Administration menu until you log on to the system.

Task 7 - Connect the Small Computer System Interface (SCSI) Tape Drive

The standard INTUITY system tape drive does not match that of the DEFINITY AUDIX system. Therefore, you must connect the SCSI tape drive sent from the remote maintenance center to the INTUITY system.

1. From the Customer/Services Administration menu, select:



The system responds with the following prompt:

Enter y to continue, n to quit

2. Enter **y**.

The system responds with the following text:

**Shutdown started. Month date time year
The system is coming down. Please wait**

**The system is down.
Press CTRL-ALT-DEL to reboot your computer.**

3. Press the power button to turn off the computer.
4. Attach the tape drive cable to the SCSI board connection on the back of the INTUITY computer. Make sure that the cable clips are locked in place.
5. Verify that the tape drive is empty.
6. Turn the computer back on.

Once the system has loaded all of the software packages, it displays the following prompt:

Do you want to rebuild the kernel?

7. Enter **y**.

⇒ NOTE:

Although the login prompt remains active, additional data scrolls across the screen and makes this prompt disappear. However, you can still enter your login even though the login prompt is not visible.

8. Press **F6** (Cancel) until you return to the Customer/Services Administration menu.

Task 8 - Run the Data Transfer

Run the data transfer to move DEFINITY AUDIX subscriber data to the INTUITY system. The transfer of data can take 30 minutes to an hour to finish, depending on the number of subscribers whose data is transferring.

1. Log on to the INTUITY system as *craft*.

The system responds with the INTUITY Administration menu (Figure 3-14).

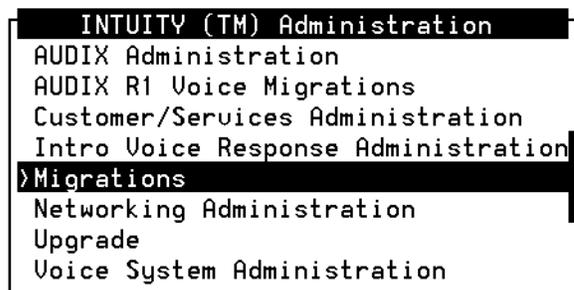


Figure 3-14. INTUITY Administration Menu

2. Select the Migrations menu option.

The system responds with the Migration menu (Figure 3-15).

```
**** Migration ****
1) Transfer data from AUDIX R1
2) Transfer data from AUDIX Voice Power
3) Transfer data from DEFINITY AUDIX
4) Install Default Database
5) Remove Voiced Names
6) Exit
Select option ( ) [ 1 ] : 3
```

Figure 3-15. Migration Menu

3. Enter **3**, Transfer Data From Definity Audix.

The system responds with the Migration From DEFINITY AUDIX menu (Figure 3-16).

```
**** Migration From DEFINITY AUDIX ****
1) Migrate
2) Display Log File
3) Logout
Select option ( ) [ | ] :
```

Figure 3-16. Migration From DEFINITY AUDIX Menu

4. Insert the DEFINITY AUDIX data back-up tape into the SCSI tape drive.
5. Enter **1**, Migrate.

The system responds with the following messages:

**Insert the tape that has the Definity Audix backup on it.
Wait until Retensioning/Rewinding is complete.
Press ENTER When the tape is ready.**

6. Wait for the light on the tape drive to go out, and press **ENTER**.

The system responds with the following messages:

**Insert the tape that has the Definity Audix backup on it.
Wait until Retensioning/Rewinding is complete.
Press ENTER when the tape is ready.**

**Checking tape status
Trying to read from the tape**

**Magic String: AUDIX_VOLUME_LABEL
Label Version: 1
Release/Version:Release 2.0 Issue 1
Machine ID:
Timestamp:756487737
Date:Tue Dec 20 10:28:57 1994
Type:backup
Name:backup
Number of Passes:1**

**Validating release, and Issue information.
Release and Issue okay.
Is this the tape you want to use for migration (y/n) [n]:**

7. Enter **y**.

The system begins retrieving the back-up data and displays the following messages:

**Retrieve nightly data
406 blocks
Retrieval completed.
Retrieve Weekly data.
800 blocks
Retrieval completed.
End of the tape.**

Do you wish to continue (A 'n' will abort the migration) (y/n) [n]:

8. Enter **y**.

The system responds with the following messages:

**Insert the next tape.
Wait until Retensioning/Rewinding is complete.
Press ENTER when the tape is ready.**

9. Insert the voice back-up tape into the SCSI tape drive and press **ENTER**.

The system begins retrieving the voice data and displays the following messages:

**Insert the tape that has theVoice backup on it.
Wait until Retensioning/Rewinding is complete.
Press ENTER When the tape is ready.**

**Checking tape status
Trying to read from the tape
Read okay**

**Magic String: AUDIX_VOLUME_LABEL
Label Version: 1
Release/Version:Release 2.0 Issue 1
Machine ID:
Timestamp:756487737
Date:Tue Dec 20 10:28:57 1994
Type:backup
Name:bkup voice
Number of Passes:1**

**Validating release, and Issue information.
Release and Issue okay.
Is this the tape you want to use for migration (y/n) [n]:**

10. Enter **y**.

The system responds with the following messages:

**Retrieve Voice data
55248 blocks
Retrieval completed.
End of tape.
Nightly, Weekly, and Voice data retrieved.
Read Tape Complete.
Unflattening files under sd/sdata directory.
Unflattening files under sd/mesg directory.
Unflattening files under sd/mail directory.
Unflattening files under md/config directory.
Unflattening files under md/mdata directory.
Unflattening files under md/sys_status directory.
Flat Files Converted.
Upgrading customer data.
Upgrade Complete.
Running audits
Changing the ownership and group of all the files read.
Migration Done.
Press enter to continue...**

11. Press **(ENTER)**.

The system responds by returning you to the Migration From DEFINITY AUDIX menu.

Data Transfer Error Messages

Errors may appear during the data transfer. Table 3-3 lists possible error messages and how you should respond to the errors.

Table 3-3. Data Transfer Error Messages

Error	What You Should Do
Tape is not ready. Insert the tape.	Insert the tape in the tape drive again. You may need to wait for the tape to finish retensioning and press ENTER again.
Cannot read from the tape. Try again.	Check tape and try again. If the message appears again, call the remote maintenance center.
Release not 1.0, 2.0, or 3.0. Cannot handle the release.	Call the remote maintenance center.
Cannot cpio from the tape.	Call the remote maintenance center.

Task 9 - Check the Log File

Check the log file to see if you missed any error messages that may have appeared during the data transfer.

1. At the Migration From DEFINITY AUDIX menu, select option **2**, Display Log File.

The system responds by displaying the first tape header for the back-up tapes.

```
Magic String: AUDIX_VOLUME_LABEL  
Label Version: 1  
Release/Version:Release 2.0 Issue 1  
Machine ID:  
Timestamp:756487737  
Date:Tue Dec 20 10:28:57 1994  
Type:backup  
Name:backup  
Number of Passes:1  
Label Version: 1  
Release/Version:Release 2.0 Issue 1  
Machine ID:SybaseNY  
Timestamp:756489142  
Date:Tue Dec 20 10:52:22 1994  
Type>manual_nightly  
Name //  
Subname:  
Count: 0  
Checksum:0  
etc/shadow  
etc/group
```

2. Enter **/TAIL** at the command line.

⇒ NOTE:

Ensure all data transferred. Verify that tail labels for all back-ups (nightly, weekly, and voice) appear in the file.

The system responds with the tail label of the first back-up:

```
...skipping forward
Magic String: AUDIX_TAIL_LABEL
Label Version: 1
Release/Version:Release 2.0 Issue 1
Machine ID:
Timestamp:756489142
Date:Tue Dec 20 10:52:22 1994
Type>manual_nightly
Name //
Subname:
Count: 212992
Checksum:0
Label Version: 1
Release/Version:Release 2.0 Issue 1
Machine ID:
Timestamp:756489315
Date:Tue Dec 20 10:55:15 1994
Type>manual_weekly
Name //
Subname:
Count: 0
Checksum:0
```

3. Continue to enter **/TAIL** at the command line for each of the other back-ups.

After all tail labels have been displayed, the EOF (End Of File) prompt will appear.

4. Press **(ENTER)** twice return to the Migration From DEFINITY AUDIX menu.

⇒ NOTE:

To exit the log file before you reach the end, enter **q**.

5. Select option **3**, Logout.

The system responds with the following message:

Press enter to continue

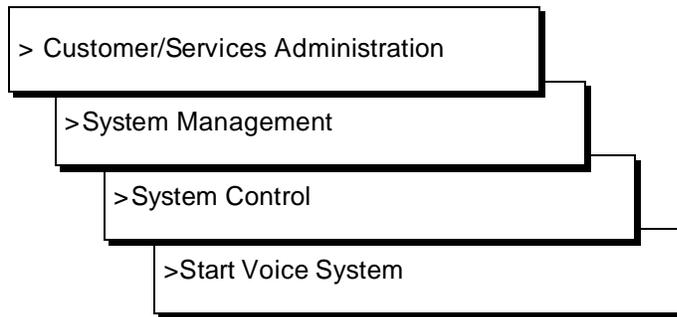
6. Press **(ENTER)**.

The system responds with the INTUITY Administration menu.

Restart the INTUITY Voice System

After the completion of the data transfer, the INTUITY voice system must be restarted.

1. Select the following to restart the INTUITY voice system:



The system responds with the following prompt:

Enter y to continue, n to quit

2. Enter **y**.

The system responds with the following:

**The Voice System is starting
Start shlock
time segment is being locked 0
Sharemem has been locked**

Startup of the Voice System is complete

Press Enter to continue . . .

3. Press **ENTER**.

The system returns you to the System Control menu.

4. Press **F6** (Cancel) three times to return to the INTUITY Administration menu.

Task 10 - Verify the Transfer of Data

Once the data transfer is complete and you have restarted the voice system, you must verify that the subscriber data has transferred successfully. To verify the transfer of subscribers, you should check the following:

- List of subscribers
- List of remote subscribers (if any)
- Two class-of-service numbers
- Six subscribers extensions well-spaced throughout the range of subscribers you transferred
- Six remote AMIS subscribers (if any)
- Number of local and remote subscribers
- Machine names and voice IDs
- Extension length

At the INTUITY Administration menu, select the AUDIX Administration menu option.

List of Subscribers

- At the AUDIX Administration command line, enter **li e**.
The system responds with the List Extension screen (Figure 3-17).

```

AUDIX Active Alarms: NewA Logins: 5
list extensions Page 1
LIST EXTENSION
Extension Name
1111 tester 1
1234 sheela
18001 Anderson, Michael
18002 Anderson, Mike
18003 Anderson, Michelle
18004 Anderson, Hans Christian
18900 Anderson, Milly
18901 Anderson, Micky
18906 Anderson, Nichole
18908 Anderson, Mickey
18909 Anderson, Miriam
18910 Anderson, Mirana
22000 Mig Sub 1
22004 Migration Sub 6
22005 Migration Sub 4
Press [NextPage], [PrevPage] or [Cancel]
enter command: list extensions
    
```

Figure 3-17. List Extension Screen

- To approximate the number of subscribers in the list, check the number of pages shown in the upper right of the screen and multiply the number by 19. If the total is less than 90% of the subscribers on the DEFINITY AUDIX, you may need to manually fix some entries or rerun the data transfer. Refer to the Task 9 - Check the Log File procedure for further information.
- Press **(F7)** (Cancel) to return to the command line.

List of Remote Subscribers

1. Enter `li re machine- name`.



NOTE:

Machine-name is the AMIS machine whose subscribers you are checking.

The system responds with the List Remote Extensions screen (Figure 3-18).

LIST REMOTE EXTENSIONS			
Extension	Name	Type	Usage Date
2599	test, amis BW1	administered	03/17/93
6005	bogus, amis test	administered	03/17/93
6676		verified	09/09/93
7445	Weung, John	administered	11/03/92
8021	Shafer, Patricia	administered	11/03/92

enter command:

Figure 3-18. List Remote Extensions Screen

2. To approximate the number of subscribers in the list, check the number of pages shown in the upper right of the screen and multiply the number by 19. If the total is less than 90% of the subscribers on the DEFINITY AUDIX, you may need to manually fix some entries or rerun the data transfer. Refer to the Task 9 - Check the Log File procedure for further information.
3. Press **(F1)** (Cancel) to return to the command line.

Class-of-Service Numbers

1. Enter **di cos *cos-number***.



NOTE:

Cos-number is a class-of-service number you are checking.

The system responds with the Class of Service screens (Figure 3-19 and Figure 3-20).

```
RUDIX Active Alarms: NewR Logins: 5
display cos 1 Page 1 of 2
CLASS OF SERVICE
Name: light10 COS Number: 1 Modified? y
Addressing Format: extension
Login Announcement Set: System
System Multilingual is ON Call Answer Primary Anno. Set: System
Call Answer Language Choice? n Call Answer Secondary Anno. Set: System
PERMISSIONS Type: call-answer Announcement Control? n
Outcalling? n Priority Messages? y Broadcast: none
IMAPI Access? n IMAPI Voice File Transfer? n Fax? n
enter command: display cos 1
```

Figure 3-19. Class of Service Screen 1

```
RADIX Active Alarms: NewA Logins: 5
display cos 1 Page 2 of 2
CLASS OF SERVICE

INCOMING MAILBOX Order: fifo Category Order: nuo
Retention Times (days), New: 10 Old: 10 Unopened: 10

OUTGOING MAILBOX Order: fifo Category Order: funds
Retention Times(days),File Cab: 10 Delivered/Nondeliverable: 5

Voice Mail Message (seconds), Maximum Length: 120 Minimum Needed: 90
Call Answer Message (seconds), Maximum Length: 120 Minimum Needed: 16

End of Message Warning Time (seconds): 0

Maximum Mailing Lists: 20 Total Entries in all Lists: 200
Mailbox Size (seconds), Maximum: 800 Minimum Guarantee: 0

enter command: display cos 1
```

Figure 3-20. Class of Service Screen 2

2. Check that all of the data on the screens is correct. If the data is incorrect, you may need to rerun the data transfer. Refer to the Task 9 - Check the Log File procedure for further information.
3. Repeat steps 8 and 9 for another class-of-service number.
4. Press (F1) (Cancel) to return to the command line.

Subscriber Extensions

1. Enter **di su *extension***.



NOTE:

Extension is a subscriber extension you are checking.

The system responds with the Subscriber screens (Figure 3-21 and Figure 3-22).

```
AUDIX Active Alarms: NewA Logins: 9
display subscriber 26298 Page 1 of 2
SUBSCRIBER
Name: Anderson, Carl Locked? n
Extension: 26298 Password:
COS: def Miscellaneous:
Switch Number: 2 Covering Extension:
Community ID: 1 Broadcast Mailbox? n
Secondary Ext:

enter command: display subscriber 26298
```

Figure 3-21. Subscriber Screen

```

AUDIX Active Alarms: NewA Logins: 5
display subscriber 26298 Page 2 of 2
Broadcast Message from SUBSCRIBER CLASS OF SERVICE PARAMETERS57...
Addressing Format: extension '/usr/news' ha
Login Announcement Set: System
System Multilingual is ON Call Answer Primary Ann. Set: System
Call Answer Language Choice? n Call Answer Secondary Ann. Set: System

PERMISSIONS Type: call-answer Announcement Control? n
Outcalling? n Priority Messages? y Broadcast: none
IMAPI Access? y IMAPI Voice File Transfer? y Fax? n

INCOMING MAILBOX Order: fifo Category Order: nro
Retention Times (days), New: 500 Old: 500 Unopened: 500
OUTGOING MAILBOX Order: fifo Category Order: funds
Retention Times(days), File Cab: 10 Delivered/Nondeliverable: 5

Voice Mail Message (seconds), Maximum Length: 224 Minimum Needed: 120
Call Answer Message (seconds), Maximum Length: 120 Minimum Needed: 40
End of Message Warning Time (seconds): 0
Maximum Mailing Lists: 25 Total Entries in all Lists: 250
Mailbox Size (seconds), Maximum: 3600 Minimum Guarantee: 0

enter command: display subscriber 26298
    
```

Figure 3-22. Subscriber Class Of Service Parameters Screen

2. Check that all of the data on the screen is correct. If any of the data is incorrect, you may to manually add the data or you may need to rerun the data transfer. Refer to the Task 9 - Check the Log File procedure for further information.
3. Repeat steps12 and13 for five other subscribers.
4. Press (F1) (Cancel) to return to the command line.

Remote AMIS Subscribers

1. Enter **di re name**.



NOTE:

Name is the name of a remote subscriber you are checking.

The system responds with the Remote Subscriber screen (Figure 3-23).

```

                                REMOTE SUBSCRIBER
Name: test, amis BW1             Extension: 2599
Address: bw12599
Community ID: 1                 Administered? y
Voiced Name? n                 Non-Administered Type:
Last Usage Date: 03/17/93
                                Machine Names
                                bw1

```

```

enter command:

```

Figure 3-23. Remote Subscriber Screen

2. Check that all of the data on the screen is correct. If any of the data is incorrect, you may manually add the data or you may need to rerun the data transfer. Refer to the Task 9 - Check the Log File procedure for further information.
3. Repeat steps 16 and 17 for five other remote subscribers.
4. Press **(F1)** (Cancel) to return to the command line.

Number of Local and Remote Subscribers

1. Enter **ch sy lim** and press **(ENTER)**.

The system responds with the System-Parameters Limits screen (Figure 3-24).

```
AUDIX Active Alarms: NewA Logins: 9
change system-parameters limits Page 1 of 1
Broadcast Message from SYSTEM-PARAMETERS LIMITS

MESSAGE LIMITS
Message Lengths, Maximum (seconds): 1200 Minimum (tenths of seconds): 10
Messages, Total In All Mailboxes: 50000 Awaiting Delivery: 5000

Subscribers, Local: 1500 r Announcement Control? n
Outcalling? n Administered Remote: 1000
Lists, Total Entries: 50000 Lists/Subscriber: 100 Recipients/List: 250

enter command: change system-parameters limits
```

Figure 3-24. System-Parameters Limits Screen

2. Compare the number of subscribers in the **Subscribers, Local** field with the number of local subscribers on the print-out of the **DEFINITY AUDIX Feature Daily Traffic** screen.
3. Compare the number of remote subscriber in the **Administered Remote** field with the number of remote subscribers on the print-out of the **DEFINITY AUDIX Feature Daily Traffic** screen.
4. Press **(F1)** (Cancel).

The message command successfully completed appears and the cursor returns to the command line.

Machine Names and Voice IDs

1. Enter **li ma**.

The system responds with the List Machines screen (Figure 3-25).



Figure 3-25. List Machines Screen

2. Using the DEFINITY AUDIX screen printouts, verify that the machine names and voice IDs listed on the INTUITY system match those on the DEFINITY AUDIX system.
3. Press **(F1)** (CANCEL).

The message command successfully completed appears, and the cursor returns to the command line.

Extension Length

1. Enter **di ma**.

⇒ NOTE:

If you do not enter a machine name, the system will automatically select the local machine.

The system responds with the Machine Profile screen (Figure 3-26).

```

RUDIX Active Alarms: NewA Logins: 4
display machine Page 1 of 2
MACHINE PROFILE
Machine Name: local Type: local Location: local
Voiced Name? n Extension Length: 5
Voice ID: 0 Default Community: 1
ADDRESS RANGES
Prefix Start Ext. End Ext. Warnings
1: 00000 99999
2:
3:
4:
5:
6:
7:
8:
9:
10:
enter command: display machine

```

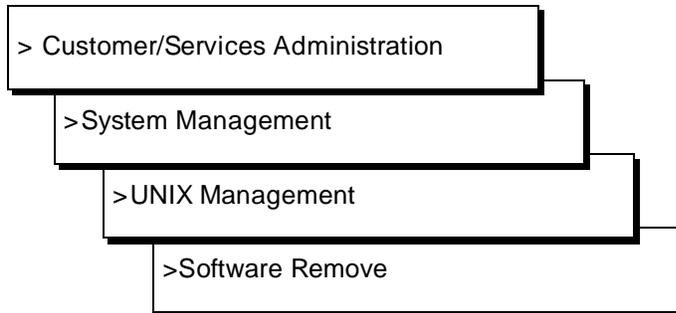
Figure 3-26. Machine Profile Screen

2. Verify that the `Start Ext.` and `End Ext.` fields contain the number of digits equal to the extension length. For example, if the extension length is 5, the `Start Ext.` column should contain 5 digits (example: 00000) and the `End Ext.` column should contain 5 digits (example: 99999).
3. Press **(F7)** (CANCEL).
The message `command successfully completed` appears, and the cursor returns to the command line.
4. Repeat steps 27 through 28 for each machine.
5. Enter **exit** to return to the INTUITY Administration menu.

Task 11 - Remove the Migration Software

To preserve disk space, remove the migration software when the migration is complete. Use the following steps:

1. Select the following series of menu options:



The system responds with the following installed software list (Figure 3-27).

```
The following packages are available:
1 IUC6DI      AT&T Intuity IUC6 Device Interface for softFAX 2.0
                (x86sur4_instal) 2.0c120110
2 IUR        Intuity Intro Voice Response Set
                (486) 1.0-16
3 UM         AUDIX(R) Module marker file
                (AUDIX) NA
4 UM-dfltdb  AUDIX(R) Default db
                (AUDIX) 2.0-18
5 UM-files   AUDIX(R) Files
                (AUDIX) 3.3-23
6 UM-sw      AUDIX(R) Software
                (AUDIX) 3.3-23
7 UM-upg     AUDIX(R) Upgrade
                (AUDIX) 3.2-8
8 Uex        Intuity Application Software Set
                (486) 3.0-23
9 VoiceCalc  Interactive Voice Calculator
                (486) R1.0
10 acp       Enhanced Application Compatibility
                (386) 1
... 56 more menu choices to follow:
(RETURN) for more choices, (CTRL-D) to stop display:
```

Figure 3-27. Software Installed List

2. Press **ENTER** to scroll through the list until you find the number of the migration software.
3. When you have identified the number of the migration software and the st03 tape driver software, press **CTRL** **D**.

The system responds with the following prompt:

Select package(s) you wish to process (or 'all' to process all packages). (default: all) [?,??,q]:

4. Enter the item numbers of the migration separated by a comma.

The system responds with the following prompt:

The following package is current installed:
mig Migrations
(AUDIX) R2.0

Do you want to remove this package [y,n,?,q]

5. Enter **y**.

The migration package is removed. The system responds with the following prompt for the tape driver package:

The following package is currently installed:
st03 AUDIX SCSI Tape Driver
(MFB) 2.0-14

Do you want to remove this package [y,n,?,1]

6. Enter **y**.

The migration package is removed.

7. Press **F1** (CANCEL) until you return to the System Management menu.

Shutdown the INTUITY Voice System

Once the migration software has been removed, the INTUITY voice system must be shutdown in order to cable the data link.

1. At the System Management menu, select:

>System Control

>Shutdown Voice System

The system responds with the following message:

Use <Ctrl><Alt> to reboot the system.

2. Press **CTRL** **ALT** **DEL** to reboot the system
3. Press the power button to turn off the computer.
4. Remove the tape drive cable from the SCSI connection on the back of the INTUITY computer.

Task 12 - Cable the INTUITY System

You must cable the INTUITY system to the switch for the BX.25 connection. This procedure should be completed while the machine has been turned off. Table 3-4 provides the tasks necessary for the cabling.

Table 3-4. Cabling the Data Link Instructions

Task	Description	Reference
1.	Disconnect the cabling from the DEFINITY AUDIX system. Leave the one end of the cable connected to the PI or PGATE (DP mode only).	<i>DEFINITY AUDIX Installation</i>
2.	Connect the BX.25 cabling to the INTUITY system. This connection requires either an IDI or a modem connection.	<i>INTUITY MAP/40 Hardware Installation or INTUITY MAP/100 Hardware Installation</i>
3.	Turn on the INTUITY machine and log on. This puts the INTUITY system into service for the test stations.	<i>INTUITY MAP/40 Hardware Installation or INTUITY MAP/100 Hardware Installation</i>

Task 13 - Administer the Switch

To complete the migration, you must:

- Remove the DEFINITY AUDIX voice ports from the hunt group
- Add the INTUITY voice ports to the hunt group
- If the customer is migrating from DEFINITY AUDIX in DP mode, you must administer the data link on the switch.

Table 3-5 lists the switch administration tasks.

 **NOTE:**

Be sure to use the DEFINITY AUDIX hunt group for the INTUITY system. You will avoid having to readminister subscriber coverage paths on the switch.

Table 3-5. Switch Administration Tasks

Task	Description	Reference
1.	Assign INTUITY voice ports to DEFINITY AUDIX hunt group. This allows the customer's subscribers to use the same phone number on the INTUITY system that they used for the DEFINITY AUDIX system. The DEFINITY AUDIX voice ports must be removed from this hunt group.	The associated INTUITY switch integration book
2.	Administer the data link (DP Mode only) The PI or PGATE circuit card must be administered.	The associated INTUITY switch integration book

Migrating from AUDIX Voice Power

4

Overview

This chapter presents the information for a migration from AUDIX Voice Power to the INTUITY system. The following AUDIX Voice Power releases can be migrated to the INTUITY system:

- Release 2.0
- Release 2.1
- Release 2.1.1
- Release 3.0
- Release 3.1

Materials and Information Needed

You need the following items to successfully complete an AUDIX Voice Power migration:

- Migration software
- Migration checklist
- INTUITY hardware
- A 3 1/2" 1.44-Mbyte floppy disk.
- The following books:
 - *INTUITY Platform Administration and Maintenance for Release 3.0* (585-310-557)
 - *INTUITY Integration with System 75 and DEFINITY Communications System Generic 1 and Generic 3* (585-310-214)
 - Appropriate hardware installation guide
 - Appropriate installation document for the customer's switch

Customer Verification

Verify that the customer understands and has completed the following before beginning the migration:

- Subscriber stations on the AUDIX Voice Power system may vary in extension lengths (extensions may have either 4 or 5 digits). If a subscriber's extension length does not match the length defined on the INTUITY system, that subscriber's data will not migrate and the subscriber will not be added to the INTUITY system until the extension length is changed. If a subscriber's personal operator number is 0 (zero) or is an extension whose length is different from that specified for INTUITY, the subscriber's data will not migrate, and the subscriber will not be added to the INTUITY system until the length of the number is changed.
 - The customer should readminister switch so that station extension lengths on the AUDIX Voice Power system match the proposed extension length on the INTUITY system.
- Subscriber names may have affixes such as Jr., Sr., III, or Dr. The affix will be treated as a bona fide name. As a result, after the data transfer, the affix may appear out of proper sequence when displayed on the INTUITY system. This is because the INTUITY system lists subscriber names with last names first. The AUDIX Voice Power system lists subscribers' first names first. The transfer process moves any affixes to the first position, which should normally be the subscribers' last names.
 - The customer must change these names with affixes manually.

Migration Checklist

Table 4-1 shows the migration tasks, in the sequence they should occur, for a migration from an AUDIX Voice Power system to the INTUITY system.

Table 4-1. Migration Checklist

Task	Description	✓
1.	Install the circuit card	
2.	Cable the switch	
3.	Cable the INTUITY voice ports	
4.	Get the AUDIX Voice Power profile	
5.	Back-up the AUDIX Voice Power data	
6.	Pre-administer the INTUITY system	
7.	Verify the installed migration software	
8.	Install the migration software (if necessary)	
9.	Run the data transfer	
10.	Check the log file	
11.	Verify the transfer of data	
12.	Remove the migration software	
13.	Administer Automated Attendant (if necessary)	
14.	Administer the switch	
	<p>⇒ NOTE: You should use the Digital Communications Protocol (DCP) extension for the AUDIX Voice Power system as the extension for the INTUITY hunt group. This allows subscribers to dial into the INTUITY system using the same telephone number they previously used to dial into the AUDIX Voice Power system.</p>	

Task 1 - Install the Circuit Card

The AUDIX Voice Power system does not require a BX.25 data link to the switch. Therefore, the switch may require a Data Communications Interface Unit (DCIU), PI or PGATE circuit card, depending on the type of switch. See the installation document for the customer's switch for more information on how to install these cards.

Task 2 - Cable the Switch

Table 4-2 lists the tasks to cable the INTUITY system to the switch for the BX.25 connection.

Table 4-2. Data Link Cabling Instructions

Task	Description	Reference
1.	Administer the data link The PI or PGATE board BX.25 connection must be administered.	The associated INTUITY switch integration book
2.	Connect the BX.25 cabling to the INTUITY system. This connection requires either an Isolating Data Interface (IDI) or a modem connection.	<i>INTUITY MAP/40 Hardware Installation (585-310-138)</i> OR <i>INTUITY MAP/100 Hardware Installation (585-310-139)</i>

Task 3 - Cable the INTUITY Voice Ports

Cable the INTUITY system voice ports to the switch as you would with a new installation. See the installation book for the customer's switch and one of the following:

- *INTUITY MAP/5 Hardware Installation (585-310-146)*
- *INTUITY MAP/40 Hardware Installation (585-310-138)*
- *INTUITY MAP/100 Hardware Installation (585-310-139)*

When you administer the voice ports, do one of the following:

- Create a new INTUITY hunt group, with a new extension number, and assign the voice ports to this hunt group. This allows the customer to administer automated attendants on the INTUITY system before activating the system.



NOTE:

After administering and testing the automated attendant(s) and completing the data transfer, you must assign the AUDIX Voice Power extension to the INTUITY hunt group.

- Do *not* create a new INTUITY hunt group until the Task 14 - Administer the Switch procedure. This is the standard migration process if the customer wants to administer automated attendants after the migration is complete.

Task 4 - Get the AUDIX Voice Power Profile

Table 4-3 displays the information you will need from the AUDIX Voice Power system before you begin the migration. This information is available from the AUDIX Voice Power Helpline or from the customer's planning worksheets. If you do not have the above information needed for the profile, retrieve it from the AUDIX Voice Power system as described in the procedures below.

Table 4-3. AUDIX Voice Power Screen Migration Information

AUDIX Voice Power Screens	Information Needed
Voice System Administration	Release version of AUDIX Voice Power
System Parameter Administration	Maximum extension length of local AUDIX Voice Power
Subscriber Administration	Format for subscriber names

Log into the AUDIX Voice Power machine as *root*.

 **NOTE:**

The customer provides you with the password for the AUDIX Voice Power log on of *root*.

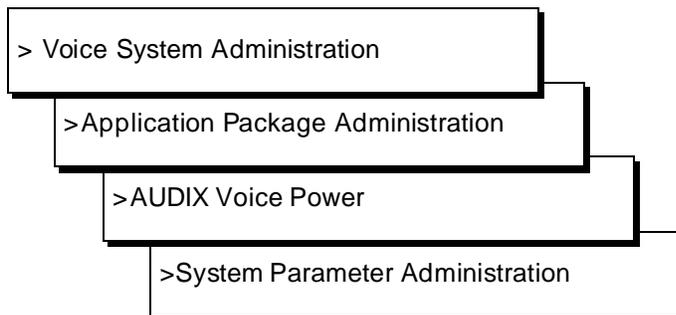
Voice System Administration Screen

1. Select the Voice Administration menu option.
2. At the AUDIX Voice Power command line, enter **displaypkg**.
The system responds with a list of software packages.
3. Make a note of the release number of the AUDIX Voice Power software.
4. Press to **F6** (Cancel) return to the command line.
5. Enter **exit** to log off.

System Parameter Administration Screen

1. Log on to the AUDIX Voice Power machine as *audix*.
2. Select:

:



The system responds with the System Parameter Administration screen (Figure 4-1).

```
System Parameter Administration
System Operator Extension: _____
Pause for Touch Tone Input: 7 sec
Maximum Extension Length: 4
Transfer to Subscribers Only?: Yes
System Mode of Addressing: Extension
Maximum Message Length: 120 sec
General Mailbox Owner Extension: _____
Enable General Mailbox for Call Answer?: No
Allow Voice Mail/Call Answer Transfers?: Yes

Automated Attendant Parameters
Touch-tone Gate Active?: Day: No Night: No
Automated Attendant Timeout Action: Day: Transfer Night: Transfer
Automated Attendant Menu Plays: 2
Fax Transfer Number: _____
Present Options Before Leaving Message?: Yes
```

Figure 4-1. System Parameter Administration Screen

3. Make a note of the value in the Maximum Extension Length field.
4. Press (F6) (Cancel).

The system returns you to the AUDIX Voice Power menu.

Subscriber Administration Screen

1. Select the Subscriber Administration menu option.

The system responds with the Subscriber Administration screen (Figure 4-2).

```
Subscriber Administration
Extension: _____
Name: _____
Password: _____
Name Addressing Identifier: _____
TT Equivalent of Name Addressing Identifier: _____
Mode of Addressing: Extension
Mailbox Size: _____ min
Personal Operator: _____
Comments: _____

Class of Service: 1

Custom Class of Service Parameters
Does the Subscriber Have Switch Call Coverage?: Yes
If No Call Coverage, Enter Maximum Rings: _____
Coverage Service: Call Answer
Outcalling Allowed?: Yes
```

Figure 4-2. Subscriber Administration Screen

2. Press (F8) (Change Keys) to display alternate key labels.
3. Press (F3) (Display Menu Options) to display the option menu.
4. Select Display.
5. Make a note of whether subscriber names are listed with first name first, first name last, or with both orders. If both orders are used, determine the order is used most frequently.
6. Press (F6) (Cancel) until you log out of the AUDIX Voice Power system.

Task 5 - Back-up the AUDIX Voice Power Data

1. Label the blank floppy diskette as AUDIX Voice Power migration data and add the current date.
2. Log on to the AUDIX Voice Power system as *root*.
3. Enter the following at the command line(s):



NOTE:

Be sure to enter the command line that matches the release from which you are migrating.

- For Release 3.0:

```
/avp/bin/util/sub_dump>/usr/vmdb/pwdb  
find /usr/vmdb -print|cpio -ocvBud > /dev/rdisk/f0
```

- For Release 2.1 or 2.1.1:

```
find /usr/vmdb /usr/ocdb -print|cpio -ocvBud > /dev/rdisk/f0
```

The system responds by loading the subscriber information from the AUDIX Voice Power system onto the diskette.

4. Wait for the floppy diskette drive light on the AUDIX Voice Power to go out.
5. Remove the floppy diskette from the floppy drive.

Task 6 - Preadminister the INTUITY System

Before you transfer data from the AUDIX Voice Power to the INTUITY system, you must ensure that the INTUITY system is administered to match the AUDIX Voice Power system for the:

- Extension length
- Range of extensions
- Outcalling

Extension Length

1. Log on to the INTUITY system using the *craft* login.
2. From the INTUITY Administration menu, select the Switch Interface Administration menu option.

The system responds with the Switch Interface Administration screen (Figure 4-3).

```
Switch Interface Administration
Switch Link Type: DCIU          Switch Release: System 75 type
Extension Length: 4
Host Switch Number: 1
AUDIX Number: 1

          HOST SWITCH LINK ASSIGNMENTS
      AUDIX Port
Switch Logical Switch      Switch Logical Switch
Number Channel Port        Number Channel Port
1           1      59      2
3           1           4
5           1           6
7           1           8
9           1          10
11          1          12
13          1          14
15          1          16
17          1          18
19          1          20
```

extension length ranges from 3 to 5

1 **HELP** 2**CHOICES** 3 **SAVE** 4**PREV-FRM** 5**NEXT-FRM** 6 **CANCEL** 7 8**CHG-KEYS**

Figure 4-3. Switch Interface Administration Screen

3. Verify that the `Extension Length` field on the `Switch Interface Administration` screen and the `Maximum Extension Length` field on the `AUDIX Voice Power System Administration` screen are the same.

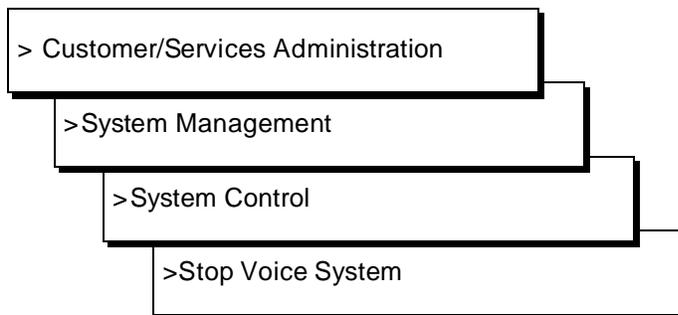
4. If the extension length matches, press `F6` (Cancel).

If the extension length does not match, press `TAB` to move the cursor to the `Extension Length` field, and enter the extension length on the `AUDIX Voice Power` system.

5. Press `F3` (Save) to save the extension length change.

The message `command successfully completed` appears. You will return to the `INTUITY Administration` menu.

6. Select:



The system responds with the following prompt:

Enter y to continue, n to quit.

7. Enter `y`.

The system responds with the following text:

The Voice System is now stopping.

Initiating request to clear all calls in the next 180 seconds.

Orderly idling of system succeeded

The AUDIX(R) module is being stopped. Please wait.

.....

⚠ CAUTION:

You cannot access the `AUDIX Administration` screens while the voice system is stopped or shut down.

8. At the prompt, Press `RETURN` to continue, press `ENTER`.

The `System Control` menu appears.

9. Select the `Start Voice System` menu option.

The new extension length is stored for use. The following text appears on the screen to verify the system has restarted.

**The Voice System is starting
Start shlock
time segment is being locked 0
Sharemem has been locked**

Startup of the Voice System is complete

Press Enter to continue . . .

10. Press **(ENTER)** to return to the System Control menu.
11. Press **(F6)** (Cancel) to return to the INTUITY Administration menu.

Range of Extensions

1. Enter **change machine *machine-name***.



NOTE:

Machine-name is the name that appears in the upper-left corner of the screen. If you do not enter a machine name, the system will automatically select the local machine.

The system responds with the Machine Profile screen (Figure 4-4) .



Figure 4-4. Machine Profile Screen

2. Verify that the `Start Ext.` and `End Ext.` fields contain the number of digits equal to the extension length. For example, if the extension length is 5, the `Start Ext.` column should contain 5 digits (example: 00000) and the `End Ext.` column should contain 5 digits (example: 99999).

If the digits in the `Start Ext.` and `End Ext.` fields do not have the correct number of digits, type the correct number of zeros in the `Start Ext.` field and the correct number of nines in the `End Ext.` field.

3. Press `F3` (Save) to save the new start and end extensions.

The message `command successfully completed` appears, and the cursor returns to the command line.

Outcalling

1. Enter `ch sy o`.

The system responds with the System-Parameters Outcalling screen (Figure 4-5).



Figure 4-5. System-Parameters Outcalling Screen

2. Move the cursor to the `Outcalling Active?` field.
3. If this field contains a **y**, go to step 6.
4. If this field does not contain a **y**, enter **y**.
5. Press `F3` (Save) to save your changes.

The cursor returns to the command line, and the message `command successfully completed` appears.

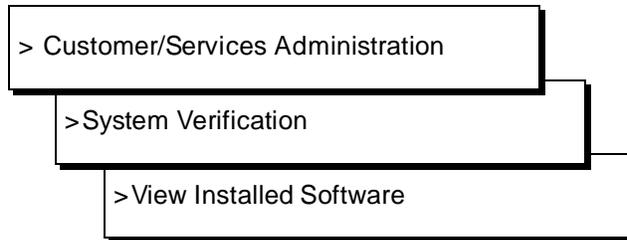
6. Enter **exit**.

The system returns to the INTUITY Administration menu.

Task 7 - Verify the Installed Migration Software

The INTUITY system uses the migration software to read the AUDIX Voice Power back-up disk, retrieve data, and format the data for use by the INTUITY system.

1. Starting at the INTUITY Administration menu, select:



The system responds with the View Installed Software screen (Figure 4-6).

View Installed Software		
system	license	User Upgrade
application	loadtest	Intuity R3 Loadtest package
system	lp	Printer Support
application	mig	Migrations
system	mouse	BUILT INTO THE BASE, CANNOT BE REMOVED.
intuity	mtce	Intuity Maintenance Module
system	netcmds	Commands Networking Extension
Intuity	netw	Intuity Networking
system	nfs	Network File System Utilities
system	nsu	Network Support Utilities
system	oam	OA&M
intuity	oracle	Oracle DBMS

Figure 4-6. View Installed Software Screen

2. Search for the following:

application mig Migrations



NOTE:

Press **(NEXTPAGE)** to page down through the list of items. Press **(PREVPAGE)** to page back through the list.

3. If you locate the migration software item, press **F6** (Cancel) until you have returned to the Customer/Services Administration menu and go to the Task 9 - Run the Data Transfer procedure.

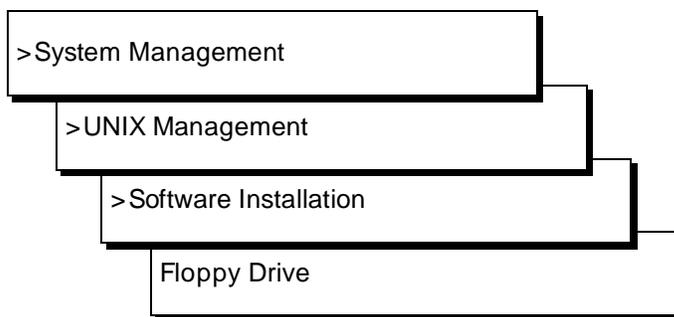
If you can not locate the migration software item, press **F6** (Cancel) until you have returned to the Customer/Services Administration menu and go to the Task 8 - Install the Migration Software procedure.

Task 8 - Install the Migration Software

⇒ NOTE:

If the migration software has already been installed on the INTUITY machine, you can skip this task. Refer to the Task 7 - Verify the Installed Migration Software procedure for further information.

1. Locate the floppy disk that contains the migration software. This disk is shipped with the INTUITY system.
2. Starting at the Customer/Services Administration menu, select:



The system responds with the following prompts:

**Insert a diskette into Floppy Drive 1.
Type [go] when ready or [q] to quit: (default: go)**

3. Insert the first diskette floppy drive.
4. Press **(ENTER)**.

The system responds with the following prompts:

**Installation in progress. Do not remove the diskette.
The following package is available:
1 mig Migrations
[AUDIX] 3.3-41
Select package(s) you wish to process [or 'all' to
process all packages] (default: all) [?,?,q]:**

5. Press **(ENTER)**.

The system responds by installing the software. While the software is being installed, the system lights the LED on the floppy disk drive.

When the system is finished installing the software, the cursor returns to the Floppy Drive menu option on the Software Install menu.

6. Remove the migration software diskette from the floppy drive.

7. Press **F6** (Cancel) until you log out of the INTUITY system.
8. Log on to the INTUITY system using the *craft* log in.



NOTE:

The system will not display the Migration menu option on the INTUITY Administration menu until you log back on to the system.

Task 9 - Run the Data Transfer

Run the data transfer to move AUDIX Voice Power subscriber data to the INTUITY system. The transfer of data varies, depending on the number of subscribers whose data is transferring.

1. From the INTUITY Administration menu, select the Migrations option.
The system responds with the Migration menu (Figure 4-7).

```
**** Migration ****
1) Transfer data from AUDIX R1
2) Transfer data from AUDIX Voice Power
3) Transfer data from DEFINITY AUDIX
4) Install Default Database
5) Remove Voiced Names
6) Exit
Select option ( ) [ 1 ] : 3
```

Figure 4-7. Migration Menu

2. Enter 2.
The system responds with the following message:
Migrating to INTUITY AUDIX R3.2. Press Enter to continue
3. Press **ENTER** .

The system responds with the Migration From AVP menu (Figure 4-8).

```
**** Migration From AVP ****
1) Migrate
2) Display Error File
3) Logout
Select option ( ) [ 1 ] :
```



Figure 4-8. Migration From AVP Menu

4. Insert the back-up diskette into the floppy drive.

5. Enter **1**.

The system responds with the following prompt:

COS () [0] :

6. Enter the default class of service number you want each subscriber to be assigned.

7. Press **ENTER**.

The system responds with the following prompt:

Switch Number () [0] :

8. Enter the number of the subscribers' local switch (as defined on the Switch Interface Administration screen).

9. Press **ENTER**.

The system responds with the following prompt:

Community ID () [0] :

10. Enter the default community ID (community sending restrictions) for the migrated subscribers.

11. Press **ENTER**.

The system responds with the following prompt:

Software Release (2.0 2.1 2.1.1 3.0) [2.0] :

12. Enter the release number for the customer's AUDIX Voice Power system.

13. Press **ENTER**.

The system responds with the following prompt:

default subscriber password () [] :

14. Enter the default password that subscribers on the INTUITY system should first use to log on to the system.

⇒ NOTE:

The customer system administrator should give you this password.

15. Press **ENTER**.

The system responds with the following prompt:

Please re-enter password.

16. Enter the default password again.

17. Press **ENTER**.

The system responds with the following prompt:

What format is used for subscriber names on the AVP backup disk?

1) last name first

2) first name first

enter a number: (1 2)[1]:

18. Enter the number corresponding to the customer's AUDIX Voice Power subscriber naming format.

19. Press **ENTER**.

The system respond with the following prompt.

Are these values correct? (y n) [n]

20. Enter **y**.

The system responds with the following prompt:

Insert the floppy disk with the AUDIX Voice Power backup on it.

Press ENTER when the floppy is inserted.

Press enter to continue...

21. Press **ENTER**.

The system begins retrieving data. A series of dots appears on the screen. Each dot represents the transfer of data for one subscriber. When the system is finished, the following message appears:

**Migration Completed. Check Error Log (Option 2) for errors.
Press enter to continue ...**

22. Press **ENTER** twice.

The system returns you to the Migration from AVP menu.

Appendix A, "Migration Error Codes", contains a complete list of migration error codes. Table 4-4 lists the most common errors for this migration.

Table 4-4. Common Error Codes

Code	Description
6	Bad data. Values are outside the permitted range.
61	Extension lengths for the AUDIX Voice Power system and the INTUITY system do not match.
1023	A value is out of range.
1025	The extension already exists in the INTUITY system.
bad field	Quotation marks appear in a subscriber's data.

4. Press **ENTER** twice to return to the Migration From AVP menu.
5. Select option **3**, Logout, to exit the file.

The system returns to the INTUITY Administration menu.



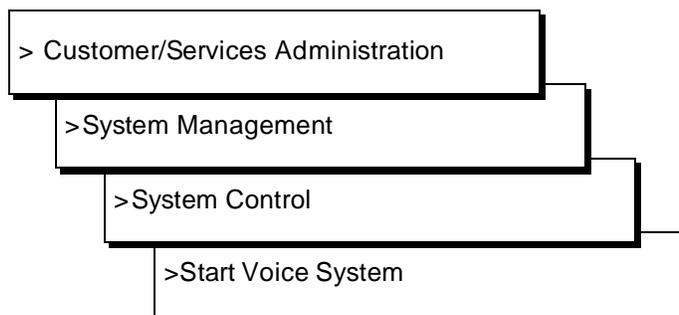
NOTE:

To exit the log file before you reach the end, enter **q** at the colon (:).

Restart the INTUITY Voice System

Once the data transfer has been completed, you must restart the INTUITY voice system.

1. Select:



The system responds with the following prompt:

Enter y to continue, n to quit

2. Enter **y**.

The system responds with the following:

```
The Voice System is starting  
Start shlock  
time segment is being locked 0  
Sharemem has been locked
```

```
Startup of the Voice System is complete
```

```
Press Enter to continue . . .
```

3. Press **ENTER**.

The system returns you to the System Control menu.

4. Press **F6** (Cancel) three times to return to the INTUITY Administration menu.

Task 11 - Verify the Transfer of Data

You must now verify that the subscriber data has transferred successfully. Check the following:

- List of subscribers
- Two class-of-service numbers
- Six subscribers extensions (well-spaced throughout the range of subscribers you transferred)

At the INTUITY Administration menu, select the AUDIX Administration menu option.

List of Subscribers

1. At the AUDIX Administration command line, enter **li e**.
The system responds with the List Extension screen (Figure 4-10).

```
AUDIX Active Alarms: NewA Logins: 3
List extensions Page 1
LIST EXTENSION
Extension Name
11111 tester 1
1234 sheela
18801 Anderson, Michael
18802 Anderson, Mike
18803 Anderson, Michelle
18804 Anderson, Hans Christian
18980 Anderson, Milly
18981 Anderson, Mickey
18986 Anderson, Nichole
18988 Anderson, Mickey
18989 Anderson, Miriam
18910 Anderson, Mirana
22000 Mig Sub 1
22004 Migration Sub 6
22005 Migration Sub 4
Press [NextPage], [PrevPage] or [Cancel]
enter command: list extensions
```

Figure 4-10. List Extension Screen

2. To approximate the number of subscribers in the list, check the number of pages shown in the upper right of the screen and multiply the number by 19. If the total is less than 90% of the subscribers on the AUDIX R1, you may need to manually fix some entries or rerun the data transfer. Refer to the Task 10 - Check the Log File procedure for further information.

⇒ NOTE:

You may want to make note of any affixes (Jr., Sr., III, etc.) that need to be repositioned manually.

3. Press **(F1)** (Cancel) to return to the command line.

Class-of-Service Numbers

1. Enter **di cos *cos-number***.

⇒ NOTE:

Cos-number is a class-of-service number you are checking.

The system responds with the Class of Service screens (Figure 4-11 and Figure 4-12).

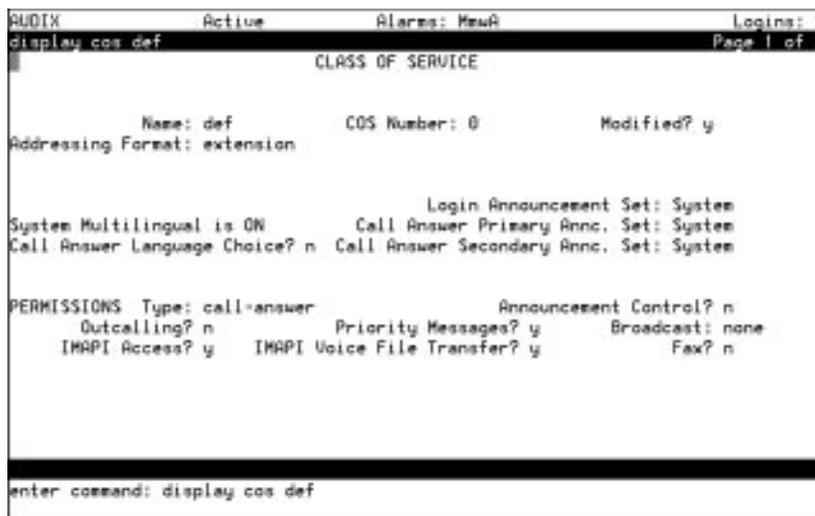


Figure 4-11. Class of Service Screen 1

```
RUDIX Active Alarms: MwA Logins: 2
display cos def Page 2 of 2
CLASS OF SERVICE

INCOMING MAILBOX Order: fifo Category Order: nuo
Retention Times (days), New: 500 Old: 500 Unopened: 500

OUTGOING MAILBOX Order: fifo Category Order: funda
Retention Times(days),File Cab: 10 Delivered/Nondeliverable: 5

Voice Mail Message (seconds), Maximum Length: 224 Minimum Needed: 120
Call Answer Message (seconds), Maximum Length: 120 Minimum Needed: 40

End of Message Warning Time (seconds): 0

Maximum Mailing Lists: 25 Total Entries in all Lists: 250
Mailbox Size (seconds), Maximum: 3600 Minimum Guarantee: 0

enter command: display cos def
```

Figure 4-12. Class of Service Screen 2

2. Check that all of the data on the screens is correct. If the data is incorrect, you may need to rerun the data transfer. Refer to the Task 10 - Check the Log File procedure for further information.
3. Repeat steps 1 and 2 for another class-of-service number.
4. Press (F1) (Cancel) to return to the command line.

Subscriber Extensions

1. Enter **di su *extension***.



NOTE:

Extension is a subscriber extension you are checking.

The system responds with the Subscriber screens (Figure 4-13 and Figure 4-14).

```
AUDIX           Active           Alarms: HsuA           Logins: 3
display subscriber 18906           Page 1 of 2

SUBSCRIBER:

Name: Anderson, Nichole           Locked? n
Extension: 18906                   Password:
COS: def                           Miscellaneous:
Switch Number: 0                   Covering Extension:
Community ID: 10                   Broadcast Mailbox? n
Secondary Ext:

enter command: display subscriber 18906
```

Figure 4-13. Subscriber Screen

```

RUDIX           Active           Alarms: MnuA           Logins: 3
display subscriber 18906           Page 2 of 2
SUBSCRIBER CLASS OF SERVICE PARAMETERS
Addressing Format: extension
System Multilingual is ON           Login Announcement Set: System
Call Answer Language Choice? n      Call Answer Primary Ann. Set: System
Call Answer Secondary Ann. Set: System
PERMISSIONS Type: call-answer       Announcement Control? n
Outcalling? n                       Priority Messages? y      Broadcast: none
IIMAPI Access? y                   IIMAPI Voice File Transfer? y      Fax? n
INCOMING MAILBOX Order: fifo        Category Order: nua
Retention Times (days), New: 500   Old: 500                Unopened: 500
OUTGOING MAILBOX Order: fifo        Category Order: funda
Retention Times(days), File Cab: 10  Delivered/Nondeliverable: 5
Voice Mail Message (seconds), Maximum Length: 224 Minimum Needed: 120
Call Answer Message (seconds), Maximum Length: 120 Minimum Needed: 40
End of Message Warning Time (seconds): 0
Maximum Mailing Lists: 25          Total Entries in all Lists: 250
Mailbox Size (seconds), Maximum: 3600 Minimum Guarantee: 0
enter command: display subscriber 18906
    
```

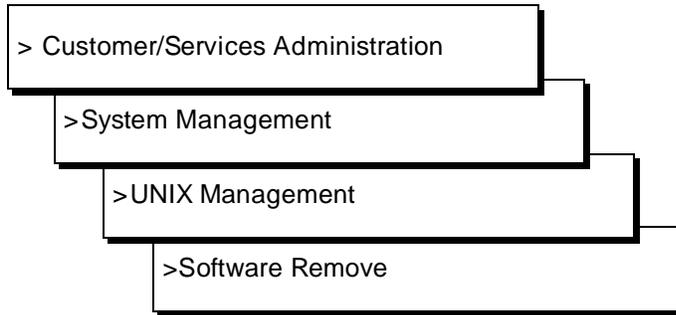
Figure 4-14. Subscriber Class Of Service Parameters Screen

2. Check that all of the data is on the screen is correct, and repeat steps 1 and 2 for five other subscribers.
3. Press **(F1)** (Cancel) to return to the command line.
The message `command successfully completed` appears, and the cursor returns to the command line.
4. Enter **exit**.
The system returns to the INTUITY Administration menu.

Task 12 - Remove Migration Software

To preserve disk space, remove the migration software when the migration is complete.

1. At the INTUITY Administration menu, select:



The following Installed Software List (Figure 4-15) appears.

```
The following packages are available:
1 IUC6DI      AT&T Intuity IUC6 Device Interface for softFAX 2.0
               {x86sur4_ints} 2.0c120110
2 IUR        Intuity Intro Voice Response Set
               {486} 1.0-16
3 UM         AUDIX(R) Module marker file
               {AUDIX} NA
4 UM-dfltdb  AUDIX(R) Default db
               {AUDIX} 2.0-18
5 UM-files   AUDIX(R) Files
               {AUDIX} 3.3-23
6 UM-sw      AUDIX(R) Software
               {AUDIX} 3.3-23
7 UM-upg     AUDIX(R) Upgrade
               {AUDIX} 3.2-8
8 Uex       Intuity Application Software Set
               {486} 3.0-23
9 VoiceCalc  Interactive Voice Calculator
               {486} R1.0
10 acp       Enhanced Application Compatibility
               {386} 1

... 56 more menu choices to follow:
(RETURN) for more choices, (CTRL-D) to stop display:
```

Figure 4-15. Installed Software List

2. When you have identified the number of the migration software, press .

The system responds with the following prompt:

Select package(s) you wish to process (or 'all' to process all packages). (default: all) [?,??,q]:

3. Enter the item number of the migration software.

The system responds with following prompt:

Do you want to remove this package [y,n,?,q]

4. Enter **y**.

The migration package is removed.

5. Press (Cancel).

The system returns to the INTUITY Administration menu.

Task 13 - Administer the Automated Attendants

If you administered the INTUITY system hunt group so that the customer could administer and test automated attendants before activating the system, the customer (or you, if contracted to do so) should administer the automated attendants. See “*Automated Attendant and Bulletin Board*” section in the *INTUITY AUDIX Release 3.3 Administration and Feature Operations (585-310-552)* for complete instructions.

When you administer automated attendants, do the following:

- Record all greetings for attendant mailboxes.
- Verify that attendant menus are complete.
- Make test calls to the INTUITY system to ensure that calls can reach it.

Task 14 - Administer the Switch

To complete the migration, you must remove the AUDIX Voice Power DCP connection and create the INTUITY hunt group. Table 4-5 lists the the switch administration tasks.

NOTE:

Be sure to reuse the AUDIX Voice Power extension for the INTUITY system. You can avoid having to readminister subscriber coverage paths on the switch.

Table 4-5. Final Switch Administration Tasks for Migration from AUDIX Voice Power

Task	Description	Reference
1.	Remove the DCP Connection to AUDIX Voice Power system (AUDIX Voice Power Release 2.1.1 and Release 3.0 only) Remove the DCP station and extension that connects to the AUDIX Voice Power.	<i>AUDIX Voice Power R2.1.1 Switch Notes for System 75</i> OR <i>AUDIX Voice Power R3.0 Switch Integration to System 75</i>
2.	Create an INTUITY hunt group (with old DCP extension, if any). This allows the subscribers to use the same telephone number on the INTUITY system that they used for the AUDIX Voice Power system.	The associated INTUITY switch integration book
3.	Assign INTUITY voice ports to hunt group. This completes the connection of the switch to the INTUITY system.	The associated INTUITY switch integration book
4.	Turn on the INTUITY machine and log in. This puts the INTUITY system into service for the test stations.	<i>INTUITY Software Installation for Release 3.0</i> (585-310-160)

Migrating from AUDIX Voice Power on MERLIN LEGEND (IS II or IS III)

5

Overview

The following chapter presents the information for a migration from an AUDIX Voice Power on MERLIN LEGEND (IS II or IS III) system to an INTUITY system.

The following AUDIX Voice Power releases can be migrated to the INTUITY system:

- Release 2.0
- Release 2.1
- Release 2.1.1 (available also from Integrated Solutions III)
- Release 3.0
- Release 3.1

Materials and Information Needed

You need the following items to successfully complete a migration from an AUDIX Voice Power on MERLIN LEGEND (IS II or IS III) system to the INTUITY system:

- The migration software diskette (although this software may already be loaded on the system)
- Migration checklist
- A 3 1/2" 1.44 Mb floppy disk.
- The following books:
 - *INTUITY Platform Administration and Maintenance for Release 3.0* (585-310-557)
 - *INTUITY Integration with System 75 and DEFINITY Communications System Generic 1 and Generic 3* (585-310-214)
 - Appropriate hardware installation guide
 - The installation document for the MERLIN LEGEND switch

Customer Verification

You should verify that the customer understands that:

- Subscriber stations on the AUDIX Voice Power on MERLIN LEGEND (IS II or ISIII) system may vary in extension lengths.
- Subscriber names may have affixes such as Jr., Sr., III, or Dr. If so, the affix will be treated as a bona fide name. As a result, after the data transfer, the affix may appear out of the correct sequence when displayed on the INTUITY system.

The INTUITY system lists subscriber names with last names first. The AUDIX Voice Power on MERLIN LEGEND (IS II or ISIII) system lists subscribers' first names first. In this case, the data transfer process will move affixes (Jr., Sr., Dr., III) to the first position. These items must therefore be changed manually after the data transfer.

You should also verify that the customer has:

- Readministered the switch so that station extension lengths match the proposed extension length on the INTUITY system. If a subscriber's extension length does not match the length defined on the INTUITY system, that subscriber's data will not migrate, nor will the subscriber be able to be added to the system until the extension length is changed.

In addition, if a subscriber's personal operator number is 0 or is an extension whose length is different from that specified for INTUITY, the subscriber's data will not migrate, nor will the subscriber be able to be added to the system until the length of the number is changed.

Migration Checklist

Table 5-1 shows the migration tasks, in the sequence they should occur, for a migration from an AUDIX Voice Power on MERLIN LEGEND (IS II or ISIII) system to the INTUITY system.

Table 5-1. Migration Checklist

Task	Description	✓
1.	Create a temporary INTUITY system calling group	
2.	Create an INTUITY system test coverage group (If Necessary)	
3.	Assign the temporary calling group to the test coverage group	
4.	Cable the INTUITY voice ports	
5.	Get the AUDIX Voice Power on MERLIN LEGEND (IS II or IS III) profile	
6.	Back-up the AUDIX Voice Power on MERLIN LEGEND (IS II or IS III) data	
7.	Preadminister the INTUITY system	
8.	Verify the installed migration software	
9.	Install the migration software (if necessary)	
10.	Run the data transfer	
11.	Check the log file	
12.	Verify the transfer of data	
13.	Remove the migration software	
14.	Administer the automated attendants	
15.	Move the voice port cabling <p style="text-align: center;">  NOTE: This allows subscribers to continue dialing the same telephone number on the INTUITY system to get their messages as they dialed on the AUDIX Voice Power on MERLIN LEGEND (IS II or IS III) system. It also allows subscribers to get old messages stored on the AUDIX Voice Power on MERLIN LEGEND (IS II or IS III) system. </p>	

Task 1 - Create a Temporary INTUITY System Calling Group

You must create a temporary INTUITY system calling group. This allows you or the customer to readminister and test automated attendants on the INTUITY system prior to completing the migration. This calling group should use two voice ports that are removed from the AUDIX Voice Power on MERLIN LEGEND (IS II or ISIII) calling group. You can then later use this calling group (and its ports) for the AUDIX Voice Power on MERLIN LEGEND (IS II or ISIII) system so that the customer's subscribers can access old messages for a short period after the migration. See *INTUITY Integration with MERLIN LEGEND (585-310-231)*.

Task 2 - Create an INTUITY System Test Coverage Group

So you or the customer can test any automated attendants that are readministered on the INTUITY system, it may be necessary to create a test coverage group with two stations. See *INTUITY Integration with MERLIN LEGEND* (585-310-231).

Task 3 - Assign the Temporary Calling Group to the Test Coverage Group

You must assign the temporary INTUITY system calling group to the test coverage group so that calls will move to the INTUITY system. See *INTUITY Integration with MERLIN LEGEND* (585-310-231).

Task 4 - Cable the INTUITY Voice Ports

Table 5-2 lists the tasks for cabling two INTUITY system voice ports to the switch. See the installation book for the customer's switch and one of the following:

- *INTUITY MAP/5 Hardware Installation* (585-310-146)
- *INTUITY MAP/40 Hardware Installation* (585-310-138)
- *INTUITY MAP/100 Hardware Installation* (585-310-139)

Table 5-2. Cabling Tasks

Task	Reference
<p>Disconnect the two voice port cables on the AUDIX Voice Power on MERLIN LEGEND (IS II or ISIII) machine and connect them to the INTUITY machine.</p> <p>This allows you to test the INTUITY automated attendants using the voice ports from the AUDIX Voice Power on MERLIN LEGEND (IS II or ISIII).</p> <p> NOTE: The cables that you disconnect should be attached to the ports on the switch that you moved to the INTUITY system calling group.</p>	<p><i>AUDIX Voice Power R2.1.1 Installation and Maintenance Guide</i></p> <p><i>AUDIX Voice Power Hardware Installation</i></p> <p>The appropriate IS II or IS III installation and maintenance document.</p> <p><i>INTUITY Integration with MERLIN LEGEND</i> (585-310-231).</p>

Task 5 - Get the AUDIX Voice Power on MERLIN LEGEND (IS II or IS III) Profile

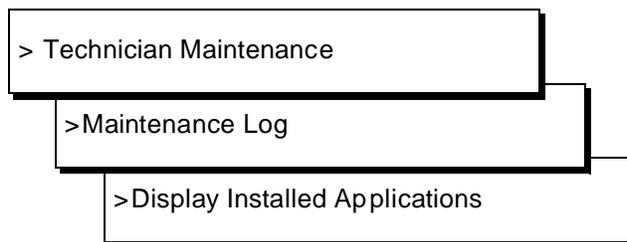
Table 5-3 lists the information you will need from the AUDIX Voice Power on MERLIN LEGEND (IS II or ISIII) machine before you begin the migration. If you do not have this information, retrieve it from the AUDIX Voice Power on MERLIN LEGEND (IS II or ISIII) screens as described in procedures below.

**Table 5-3. AUDIX Voice Power on MERLIN LEGEND (IS II or ISIII)
Information Needed**

Screen	Information Needed
Display Installed Applications	Version of AUDIX Voice Power
System Parameter Administration	Maximum extension length of local AUDIX Voice Power
Subscriber Administration	Format for subscriber names

Display Installed Applications Screen

1. Log on to the AUDIX Voice Power on MERLIN LEGEND (IS II or ISIII) machine as *maint*.
2. Select the following series of menu options:



The system responds with a list of software packages.

3. Make a note of the release number of the AUDIX Voice Power on MERLIN LEGEND (IS II or ISIII) Application Software.
4. Press (F6) (Cancel) twice to return to the AUDIX Voice Power Administration menu.

System Parameter Administration Screen

1. Select the following menu items:

>AUDIX Voice Power

>System Parameter Administration

The system responds with the System Parameter Administration screen (Figure 5-1).

```
System Parameter Administration
System Operator Extension: _____
Pause for Touch Tone Input: 7 sec
Maximum Extension Length: 4
Transfer to Subscribers Only?: Yes
System Mode of Addressing: Extension
Maximum Message Length: 120 sec
General Mailbox Owner Extension: _____
Enable General Mailbox for Call Answer?: No
Allow Voice Mail/Call Answer Transfers?: Yes

Automated Attendant Parameters
Touch-tone Gate Active?: Day: No Night: No
Automated Attendant Timeout Action: Day: Transfer Night: Transfer
Automated Attendant Menu Plays: 2
Fax Transfer Number: _____
Present Options Before Leaving Message?: Yes
```

Figure 5-1. System Parameter Administration Screen

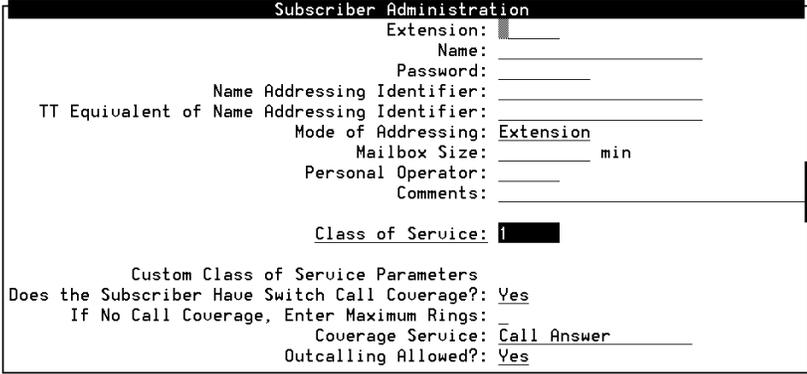
2. Make a note of the value in the Maximum Extension Length field.
3. Press **(F6)** (Cancel)

The system returns to the AUDIX Voice Power Administration menu.

Subscriber Administration Screen

1. Select Subscriber Administration menu option.

The system responds with the Subscriber Administration screen (Figure 5-2).



```
Subscriber Administration
Extension: _____
Name: _____
Password: _____
Name Addressing Identifier: _____
TT Equivalent of Name Addressing Identifier: _____
Mode of Addressing: Extension
Mailbox Size: _____ min
Personal Operator: _____
Comments: _____

Class of Service: 1

Custom Class of Service Parameters
Does the Subscriber Have Switch Call Coverage?: Yes
If No Call Coverage, Enter Maximum Rings: _____
Coverage Service: Call Answer
Outcalling Allowed?: Yes
```

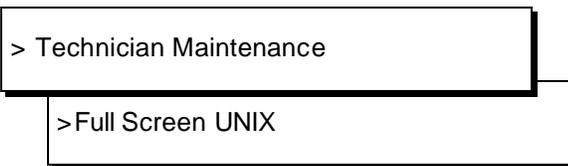
Figure 5-2. Subscriber Administration Screen

2. Press **F8** (Change Keys) to display alternate key labels.
3. Press **F3** (Display Menu Options) to display the option menu.
4. Select **Display**.
5. Make a note of the subscriber name formate. Note whether the names are listed with first name first, first name last, or with both orders. If both orders are used, determine which order is used most frequently.
6. Press **F6** (Cancel).

The system will return to the AUDIX Voice Power Administration menu.

Task 6 - Back-up the AUDIX Voice Power on MERLIN LEGEND (IS II or IS III) Data

1. Label the blank floppy diskette as AUDIX Voice Power on MERLIN LEGEND (IS II or ISIII) migration data and the current date.
2. Select the following menu options:



3. If your disk is formatted, go to step 4. If your disk is unformatted, enter the following at the UNIX prompt:

```
format /dev/rdisk/f03ht
```

4. Enter the following at the UNIX prompt. Be sure to enter the command line that matches the release that you are migrating.

For Release 3.0:

```
/avp/bin/util/sub_dump>usr/vmdb/pwdb  
find /usr/vmdb -print | cpio -ocvBud > /dev/rdisk/f0
```

For Release 2.1 or Release 2.1.1:

```
find /usr/vmdb /usr/ocdb -print | cpio -ocvBud > /dev/rdisk/f0
```

The system responds by loading the subscriber information from the AUDIX Voice Power on MERLIN LEGEND (IS II or ISIII) onto the disk.

5. Wait for the floppy drive light on the AUDIX Voice Power to go out.
6. Remove the floppy diskette from the drive.

Task 7 - Preadminister the INTUITY System

Before you transfer data from the AUDIX Voice Power on MERLIN LEGEND (IS II or ISIII) system to the INTUITY system, you must ensure that the INTUITY system is administered to match the MERLIN LEGEND AUDIX Voice Power system for the following:

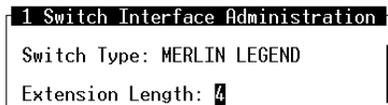
- Extension length
- Range of extensions
- Outcalling
- Transfer type
- Covering extension

Log on to the INTUITY system with the *craft* login.

Extension Length

1. From the INTUITY Administration menu, select the Switch Interface Administration menu option.

The system responds with the Switch Interface Administration screen (Figure 5-3).



Enter an extension length of 3 or 4.

1 HELP 2 CHOICES 3 SAVE 4 5 6 CANCEL 7 8

Figure 5-3. Switch Interface Administration Screen

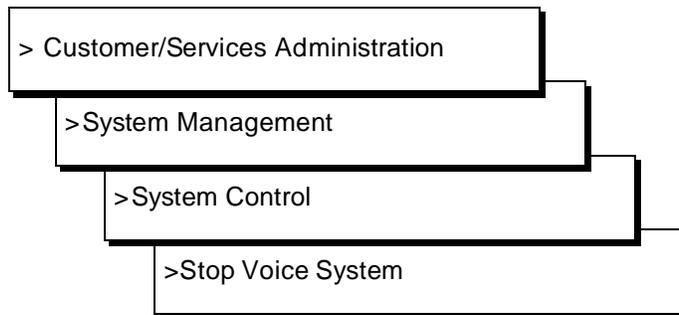
2. Check the `Extension Length` field.
3. If the extension length matches the extension length on the AUDIX Voice Power on MERLIN LEGEND (IS II or ISII) system, go to step 5.

If the extension length does *not* match, press `(TAB)` to move the cursor to the `Extension Length` field, and enter the correct extension length.

4. Press `(F3)` (Save) to save the extension length change.

The system responds with the message `Update successful`. Once the change has been made, you must stop and restart the INTUITY Voice System in order for the change to be completed.

5. Press `(F6)` (Cancel) twice to return to the INTUITY Administration menu.
6. Select:



The system responds with the following prompt:

Enter y to continue, n to quit

7. Enter `y`.

The system responds with the following text:

Enter y to continue, n to quit

`y`

The Voice System is now stopping

Initiating request to clear all calls in the next 180 seconds.

Orderly idling of system succeeded

The AUDIX(R) module is being stopped. Please wait.

.....

⚠ CAUTION:

You cannot access the AUDIX Administration screens while the voice system is stopped or shutdown. AUDIX Administration appears as an option on the main menu, but nothing happens when you select it.

8. At the prompt `Press RETURN to continue`, press `ENTER`.

The system returns to the `System Control` menu.

9. Select the `Start Voice System` menu option.

The system can take several minutes to restart. The following text appears on the screen to verify the system has restarted.

```
The Voice System is starting  
Start shlock  
time segment is being locked 0  
Sharemem has been locked
```

```
Startup of the Voice System is complete
```

```
Press Enter to continue . . .
```

10. Press `ENTER`.

The system returns to the `System Control` menu.

11. Press `F6` (Cancel).

The system returns to the `INTUITY Administration` menu.

Range of Extensions

1. Select the AUDIX Administration menu option.
2. At the AUDIX Administration command line, enter **change machine machine-name**.



NOTE:

Machine-name is the name that appears in the upper-left corner of the screen. If you do not enter a machine name, the system will automatically select the local machine.

The system responds with the Machine Profile screen (Figure 5-4).

```

AUDIX      Active      Alarms: NewA      Logins: 3
change machine local      Page 1 of 2
MACHINE PROFILE
Machine Name: local      Type: local      Location: local
Voiced Name? n      Extension Length: 5
Voice ID: 0      Default Community: 1
ADDRESS RANGES
Prefix      Start Ext.      End Ext.      Warnings
1: _____      00000      99999
2: _____
3: _____
4: _____
5: _____
6: _____
7: _____
8: _____
9: _____
10: _____
enter command: change machine local
    
```

Figure 5-4. Machine Profile Screen

3. Verify that the `Start Ext.` and `End Ext.` fields contain the number of digits equal to the extension length. For example, if the extension length is 5, the `Start Ext.` column should contain 5 digits (example: 00000) and the `End Ext.` column should contain 5 digits (example: 99999).

If the digits in the `Start Ext.` and `End Ext.` fields do not have the correct number of digits, type the correct number of zeros in the `Start Ext.` field and the correct number of nines in the `End Ext.` field.

4. Press **(F3)** (Save) to save the new start and end extensions.

The message `command successfully completed` appears, and the cursor returns to the command line.

Outcalling

1. At the AUDIX Administration command line, enter **ch sy o**.

The system responds with the System-Parameters Outcalling screen (Figure 5-5).

```
AUDIX Active Alarms: MmWA Logins:
system-parameters outcalling Page 1 of 1
SYSTEM-PARAMETERS OUTCALLING

Outcalling Active? y

Start Time End Time Interval Maximum Simultaneous
(hh:mm) (hh:mm) (hh:mm) Ports
1: 00:00 23:59 00:15 1
2: _:_ _:_ _:_ _
3: _:_ _:_ _:_ _

Initial Delay (mins): 0
Maximum Number Digits: 29

change system-parameters outcalling
```

Figure 5-5. System-Parameters Outcalling Screen

2. Move the cursor to the `Outcalling Active?` field and enter **y**.
3. Press **(F3)** (Enter) to save your changes.

The cursor returns to the command line, and the message `command successfully completed` appears.

Transfer Type and Covering Extension

1. At the AUDIX Administration command line, enter **ch sy f**.

The system responds with the System-Parameters Features screen (Figure 5-6).

```
AUDIX           Active           Alarms: NewA           Logins:
                Features         Page 1 of 4
                SYSTEM-PARAMETERS FEATURES

LOG-IN PARAMETERS
  Login Retries: 3           Consecutive Invalid Attempts: 18
  System Guest Password: _____ Minimum Password Length: 0

PASSWORD AGING LIMITS (DAYS)
  Password Expiration Interval: 0 (0 for no password aging)
  Minimum Age Before Changes: 0
  Expiration Warning: 0 (0 for no warning)

INPUT TIME LIMITS (SECONDS)
  Normal: 60           Full Mailbox Timeout: 5           Wait (*W): 180
  Between Digits at Auto-attendant or Standalone Menu: 3 (3-12)

DISCONNECT OPTIONS
  Quick Silence Disconnect? n           Silence Limit? 30 (5-30 seconds)

change system-parameters features
```

Figure 5-6. System-Parameters Features Screen

2. Press **(F7)** (Next Page) twice.

The system responds with the third System-Parameters Features screen (Figure 5-7).

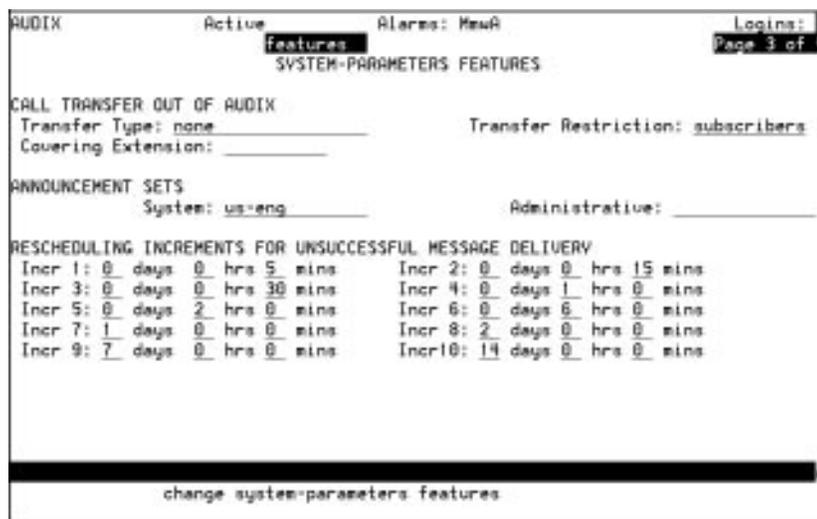


Figure 5-7. System-Parameters Features Screen 3

3. Move the cursor to the `Transfer Type` field, and enter **basic**.
4. Move the cursor to the `Covering Extension` field, and enter the system-wide covering extension.

⇒ NOTE:

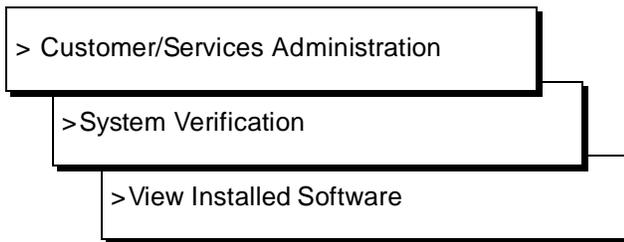
This is normally an operator or automated attendant.

5. Press **F3** (Enter) to save your changes.
The cursor returns to the command line, and the message `command successfully completed` appears.
6. At the command line, enter **exit**.
The system returns to the `INTUITY Administration` menu.

Task 8 - Verify the Installed Migration Software

The INTUITY system uses the migration software to read the AUDIX Voice Power on MERLIN LEGEND (IS II or ISIII) back-up disk, retrieve data, and format the data for use by the INTUITY system. Verify that the migration software has already be installed on the INTUITY machine.

1. Starting at the INTUITY Administration menu, select:



The system responds with the View Installed Software screen (Figure 5-8) .

```
View Installed Software
Driver (ISA/EISA)
system eth Ethernet Hardware Support
system face FACE
system fmi BUILT INTO ADVANCED COMMANDS, CANNOT BE
REMOVED.
system inet Internet Utilities
intuity iur Intuity Intro Voice Response Module
system license User Upgrade
application loadtest Intuity R3 Loadtest package
system lp Printer Support
application mig Migrations
system mouse BUILT INTO THE BASE, CANNOT BE REMOVED.
```

Figure 5-8. View Installed Software Screen

2. Search for the following list item:

application mig Migrations



NOTE:

Press **NEXTPAGE** or **PREVPAGE** to page through the list of items.

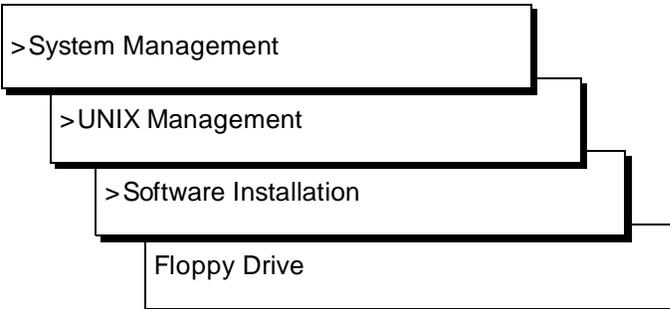
3. After you have found the migration software, press **F6** (Cancel). Go to the Task 10 - Run the Data Transfer procedure.

If you were unable to locate the installed software, go to the Task 9 - Install the Migration Software procedure.

Task 9 - Install the Migration Software

To load migration software:

1. Locate the floppy disk that contains the migration software. This disk is shipped with the INTUITY system.
2. Starting at the `Customer/Services Administration` menu, select :



The system responds with the following prompts:

**Insert a diskette into Floppy Drive 1.
Type [go] when ready
or [q] to quit: (default: go)**

3. Insert the migration software diskette into the floppy drive.
4. Press `ENTER`.

The system responds with the following prompts:

**Installation in progress. Do not remove the diskette.
The following package is available:
1 mig Migrations
[AUDIX] 2.0-14
Select package(s) you wish to process [or 'all' to process
all packages). (default: all) [?,?,q]:**

5. Enter **all**.

The system responds by installing the software. While the software is being installed, the system lights the LED on the floppy disk drive.

When the system is finished installing the software, the cursor returns to the `Floppy Drive` menu option on the `Software Install` menu.

6. Remove the migration software diskette from the floppy drive.
7. Press **⌘** (Cancel) until you return to the `INTUITY` Administration menu.
8. Log out of the `INTUITY` system.
9. Log back on to the `INTUITY` system using the *craft* log in.



NOTE:

The system will not display the Migration menu option on the `INTUITY` Administration menu until you log back on to the system.

Task 10 - Run the Data Transfer

Run the data transfer to move AUDIX Voice Power on MERLIN LEGEND (IS II or ISIII) subscriber data to the INTUITY system. The time it takes to transfer the data varies, depending on the number of subscribers whose data is transferring.

1. From the INTUITY Administration menu, select the Migrations menu option.

The system responds with the Migration menu (Figure 5-9).

```
**** Migration ****
1) Transfer data from AUDIX R1
2) Transfer data from AUDIX Voice Power
3) Transfer data from DEFINITY AUDIX
4) Install Default Database
5) Remove Voiced Names
6) Exit
Select option ( ) [ ! ] :
```

Figure 5-9. Migration Menu

2. Enter 2.

The system responds with the following message:

Migrating to INTUITY AUDIX R3.2. Press Enter to continue

3. Press **ENTER**.

The system responds with the Migration From AVP menu (Figure 5-10).

```
==== Migration From RUP ====
1) Migrate
2) Display Error File
3) Logout
Select option ( ) [ 1 ] :
```

Figure 5-10. Migration From AVP Menu

4. Insert the back-up diskette into the floppy drive.
5. Enter **1**.
The system responds with the following prompt:
COS () [0] :
6. Enter the default class of service number you want each subscriber to be assigned.
The system responds with the following prompt:
Switch Number () [0] :
7. Enter **1**.
The system responds with the following prompt:
Community ID () [0] :
8. Enter the default community ID (for community sending restrictions) that migrated subscribers should have.
The system responds with the following prompt:
Software Release (2.0 2.1 2.1.1 3.0) [2.0] :

9. Enter the release number of the customer's AUDIX Voice Power on MERLIN LEGEND (IS II or ISIII) system.

The system responds with the following prompt:

default subscriber password () []:

10. Enter the default password that subscribers on the INTUITY system would first use to log on to the system.

The system responds with the following prompt:

Please re-enter password.

11. Enter the default password again.

The system responds with the following prompt:

What format is used for subscriber names on the AVP backup disk?

1) last name first

2) first name first

enter a number: (1 2)[1]:

12. Enter the number of the customer's AUDIX Voice Power on MERLIN LEGEND (IS II or ISIII) naming format.

The system responds with the following prompt:

Are these values correct? (y n) [n]

13. Enter **y**.

The system responds with the following additional prompts:

Insert the floppy disk with the AUDIX Voice Power backup on it.

Press ENTER when the floppy is inserted.

Press enter to continue...

14. Press **(ENTER)**.

The system begins retrieving data. A series of dots begins to appear on the screen. Each dot represents the transfer of data for one subscriber. When the system is finished, the following message appears.

Migration Completed. Check Error Log (Option 2) for errors.

Press enter to continue ...

15. Press **(ENTER)** twice.

The system returns to the Migration From AVP menu.

Appendix A, "Migration Error Codes", contains a complete list of migration error codes. Table 5-4 lists the most common errors for this migration.

Table 5-4. Common Error Codes

Code	Meaning
6	Bad data; values are outside the permitted range
42	Duplicate extension; extension is already in use
61	Extension lengths of the AUDIX Voice Power on MERLIN LEGEND (IS II or ISIII) and the INTUITY system do not match
1023	Value is out of range
1025	Extension already exists on the INTUITY system
bad field	Quotation marks appear in a subscriber's data

4. Press **(ENTER)** twice.

The system returns to the `Migration From AVP` menu.

⇒ NOTE:

To exit the log file before you reach the end, enter **q** at the colon (:).

5. Enter **3**.

The system responds with the message `Press enter to continue`.

6. Press **(ENTER)**.

The system returns to the `INTUITY Administration` menu.

Task 12 - Verify the Transfer of Data

When the data transfer is complete, you must verify that the subscriber data has transferred successfully. To verify the transfer of subscribers, you should check the following items:

- List of subscribers
- Two Class-of-Service numbers
- Six subscribers extensions (well-spaced throughout the range of extensions you transferred)

List of Subscribers

1. Select the AUDIX Administration menu option.
2. At the AUDIX Administration command line, enter **li e**.

The system responds with the List Extension screen (Figure 5-12).

```
AUDIX           Active           Alarms: NewA           Logins: 3
list extensions           Page 1
LIST EXTENSION
Extension      Name
11111         tester 1
1234          sheela
18001         Anderson, Michael
18002         Anderson, Mike
18003         Anderson, Michelle
18004         Anderson, Hans Christian
18900         Anderson, Willy
18901         Anderson, Micky
18906         Anderson, Nichole
18908         Anderson, Mickey
18909         Anderson, Miriam
18910         Anderson, Mirana
22000         Mig Sub 1
22004         Migration Sub 6
22005         Migration Sub 4
Press [NextPage], [PrePage] or [Cancel]
enter command: list extensions
```

Figure 5-12. List Extension Screen

3. To approximate the number of subscribers in the list, check the number of pages shown in the upper right of the screen and multiply the number by 19. If the total is less than 90% of the subscribers on the AUDIX R1, you may need to manually fix some entries or rerun the data transfer. Refer to the Task 11 - Check the Log File procedure for further information.

⇒ NOTE:

You may want to make note of any affixes (Jr., Sr., III, etc.) that need to be repositioned manually.

4. Press **(F1)** (Cancel) to return to the command line.

Class-of-Service Numbers

1. Enter **di cos *cos-number***.

⇒ NOTE:

Cos-number is a class-of-service number you are checking.

The system responds with the Class of Service screens (Figure 5-13 and Figure 5-14).

```
AUDIX Active Alarms: NewA Logins: 2
display cos def Page 1 of 2
CLASS OF SERVICE
Name: def COS Number: 0 Modified? y
Addressing Format: extension
Login Announcement Set: System
System Multilingual is ON Call Answer Primary Annc. Set: System
Call Answer Language Choice? n Call Answer Secondary Annc. Set: System
PERMISSIONS Type: call-answer Announcement Control? n
Outcalling? n Priority Messages? y Broadcast: none
IMAPI Access? y IMAPI Voice File Transfer? y Fax? n
enter command: display cos def
```

Figure 5-13. Class of Service Screen 1

```
AUDIX Active Alarms: MWR Page 2 of 2
display cos def
CLASS OF SERVICE

INCOMING MAILBOX Order: fifo Category Order: nuo
Retention Times (days), New: 500 Old: 500 Unopened: 500

OUTGOING MAILBOX Order: fifo Category Order: funda
Retention Times(days),File Cab: 10 Delivered/Nondeliverable: 5

Voice Mail Message (seconds), Maximum Length: 224 Minimum Needed: 120
Call Answer Message (seconds), Maximum Length: 120 Minimum Needed: 40

End of Message Warning Time (seconds): 0

Maximum Mailing Lists: 25 Total Entries in all Lists: 250
Mailbox Size (seconds), Maximum: 3600 Minimum Guarantee: 0

enter command: display cos def
```

Figure 5-14. Class of Service Screen 2

2. Check that all of the data on the screens is correct. If the data is incorrect, you may need to rerun the data transfer. Refer to the Task 11 - Check the Log File procedure for further information.
3. Repeat steps 1 and 2 for another class-of-service number.
4. Press (F1) (Cancel) to return to the command line.

Subscriber Extensions

1. Enter **di su *extension***.



NOTE:

Extension is a subscriber extension you are checking.

The system responds with the Subscriber screens (Figure 5-15 and Figure 5-16).

```
AUDIX          Active          Alarms: MnuA          Logins: 3
display subscriber 18906          Page 1 of 2

SUBSCRIBER:

Name: Anderson, Nichole          Locked? n
Extension: 18906          Password:
COS: def          Miscellaneous:
Switch Number: 0          Covering Extension:
Community ID: 10          Broadcast Mailbox? n
Secondary Ext:

enter command: display subscriber 18906
```

Figure 5-15. Subscriber Screen

```
AUDIX Active Alarms: MswA Logins: 3
display subscriber 18906 Page 2 of 2
SUBSCRIBER CLASS OF SERVICE PARAMETERS
Addressing Format: extension
System Multilingual is ON Login Announcement Set: System
Call Answer Language Choice? n Call Answer Primary Ann. Set: System
Call Answer Secondary Ann. Set: System
PERMISSIONS Type: call-answer Announcement Control? n
Outcalling? n Priority Messages? y Broadcast: none
IMAPI Access? y IMAPI Voice File Transfer? y Fax? n
INCOMING MAILBOX Order: fifo Category Order: nup
Retention Times (days), New: 500 Old: 500 Unopened: 500
OUTGOING MAILBOX Order: fifo Category Order: funde
Retention Times(days), File Cab: 10 Delivered/Nondeliverable: 5
Voice Mail Message (seconds), Maximum Length: 224 Minimum Needed: 120
Call Answer Message (seconds), Maximum Length: 120 Minimum Needed: 40
End of Message Warning Time (seconds): 0
Maximum Mailing Lists: 25 Total Entries in all Lists: 250
Mailbox Size (seconds), Maximum: 3600 Minimum Guarantee: 0
enter command: display subscriber 18906
```

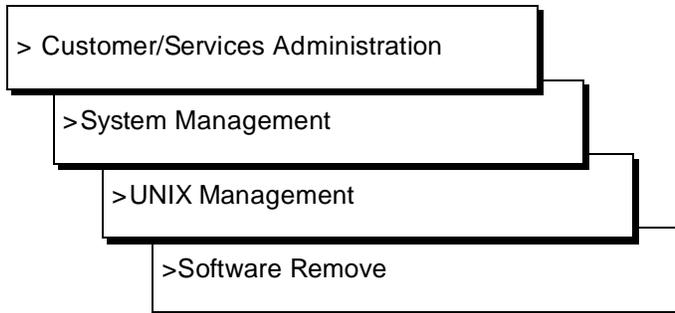
Figure 5-16. Subscriber Class Of Service Parameters Screen

2. Check that all of the data is on the screen is correct.
3. Repeat steps 4 and 5 for five other subscribers.
4. Press (F1) (Cancel) to return to the command line.
The message `command successfully completed` appears, and the cursor returns to the command line.
5. Enter **exit**.
The system returns to the `INTUITY Administration` menu.

Task 13 - Remove the Migration Software

To preserve disk space, remove the migration software when the migration is complete.

1. Select the following series of menu options:



The system responds with the following Installed Software List (Figure 5-17).

```
31 inet      Internet Utilities
             (386) 1
32 iur      Intuity Intro Voice Response Module
             (486) 1.0-16
33 license  User Upgrade
             (386) 1
34 loadtest Intuity R3 Loadtest package
             (486) 3.0-23
35 lp       Printer Support
             (386) 1
36 mig      Migrations
             (AUDIX) 3.3-15
37 mouse    BUILT INTO THE BASE, CANNOT BE REMOVED.
             ( )
38 mtce     Intuity Maintenance Module
             (486) 3.0-24
39 multiusr Multi-user Set
             (386) 1
40 netcnds  Commands Networking Extension
             (386) 1
... 26 more menu choices to follow:
<RETURN> for more choices, <CTRL-D> to stop display:
```

Figure 5-17. Installed Software List

2. Press **ENTER** to scroll through the list until you find the number of the migration software.

3. Press **CTRL** **D**.

The system responds with the following prompt:

**Select package(s) you wish to process (or 'all' to process
all packages). (default: all) [?,??,q]:**

4. Enter the item number of the migration software.

The system responds with the following prompt:

**Select package(s) you wish to process (or 'all' to process
all packages). (default: all) [?,??,q]: 30**

**The following package is currently installed:
mig Migrations**

Do you want to removed this package [y,n,?,q]

5. Enter **y**.

The migration package is removed.

6. Press **F1** (Cancel).

The system returns to the **INTUITY Administration** menu.

Task 14 - Administer Automated Attendants

If you administered the INTUITY system hunt group so that the customer could administer and test automated attendants before activating the system, the customer (or you, if contracted to do so) should administer the automated attendants. See the “*Automated Attendant and Bulletin Board*” section in *INTUITY AUDIX Release 3.0 Administration and Feature Operations* (585-310-552) for complete instructions.

When you administer automated attendants, do the following:

- Record all greetings for attendant mailboxes.
- Verify that attendant menus are complete.
- Make test calls to the INTUITY system to ensure that calls can reach it.

Task 15 - Move the Voice Port Cabling

You must move the voice cables from the AUDIX Voice Power on MERLIN LEGEND (IS II or ISIII) system to the INTUITY system. Table 5-5 lists the cabling tasks.

⇒ NOTE:

By simply swapping cables between systems, you can reuse the AUDIX Voice Power on MERLIN LEGEND (IS II or ISIII) calling group and extension for the INTUITY system. Thus, you avoid having to readminister subscriber coverage paths on the switch.

Table 5-5. Cabling Tasks

Task	Description	Reference
1.	<p>Disconnect the two voice port cables on the INTUITY machine and connect them to the AUDIX Voice Power on MERLIN LEGEND (IS II or ISIII) machine.</p> <p>This allows subscribers to get old messages from the AUDIX Voice Power on MERLIN LEGEND (IS II or ISIII) system, while receiving new messages on the INTUITY system.</p>	<p><i>AUDIX Voice Power R2.1.1 Installation and Maintenance Guide</i></p> <p><i>AUDIX Voice Power Hardware Installation</i></p> <p>The appropriate IS II or IS III installation and maintenance document.</p> <p><i>INTUITY Integration with MERLIN LEGEND (585-310-231)</i></p>
2.	<p>Disconnect the voice port cables on the AUDIX Voice Power on MERLIN LEGEND (IS II or ISIII) machine and connect them to the INTUITY machine.</p> <p>This allows the customer's subscribers to use the same telephone number on the INTUITY system that they used for the AUDIX Voice Power on MERLIN LEGEND (IS II or ISIII) system.</p>	<p><i>AUDIX Voice Power R2.1.1 Installation and Maintenance Guide</i></p> <p><i>AUDIX Voice Power Hardware Installation</i></p> <p>The appropriate IS II or IS III installation and maintenance document.</p> <p><i>INTUITY Integration with MERLIN LEGEND (585-310-231)</i></p>

Migrating from AUDIX Voice Power Lodging

6

Overview

This chapter presents the information for a migration from AUDIX Voice Power Lodging to the INTUITY system. The following AUDIX Voice Power Lodging releases can be migrated:

- Release 1.1
- Release 3.0

Materials and Information Needed

You need the following items to successfully complete an AUDIX Voice Power Lodging migration:

- INTUITY migration software
- Migration checklist
- 1.44 Mbyte floppy diskettes



NOTE:

Diskettes must be UNIX formatted write-enabled diskettes.

- Cartridge tape (optional)

Migration Checklist

Table 6-1 shows the migration tasks, in the sequence they should occur, for a migration from an AUDIX Voice Power Lodging system to the INTUITY system.

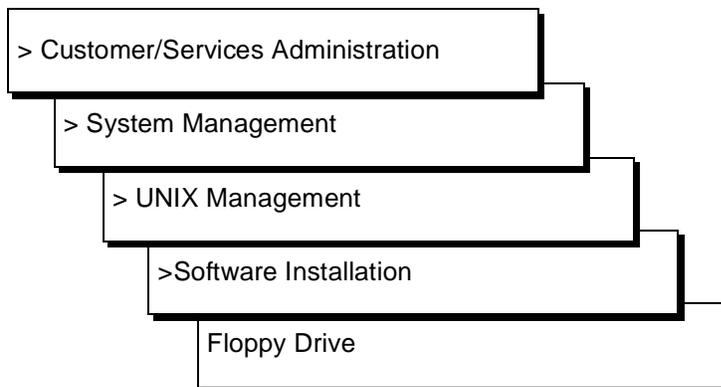
Table 6-1. Migration Checklist

Task	Description	✓
1.	Install the INTUITY migration software	
2.	Create a migration diskette	
3.	Back-up the AUDIX Voice Power Lodging data	
4.	Run the migration	
5.	Check the log file	
6.	Administer the switch	
7.	Remove the migration software	

Task 1 - Install the Migration Software

The migration software must be loaded onto the INTUITY system in order to perform a migration.

1. Log on to the system using the *craft* login.
2. Starting at the INTUITY Administration menu, select:



The system responds with the following prompts:

Insert a diskette into Floppy Drive 1.
Type [go] when ready or [q] to quit: (default: go)

3. Insert the floppy diskette that contains the INTUITY migration software.
4. Press **(ENTER)**.

The system responds with the following prompts:

Installation in progress. Do not remove the diskette.
The following package is available:
1 mig Migrations
Select package(s) you wish to process [or 'all' to process all packages] (default: all) [?,?,q]:

5. Press **(ENTER)**.

The system responds by installing the software. While the software is being installed, the system lights the LED on the floppy disk drive.

When the system is finished installing the software, the cursor returns to the Floppy Drive menu option on the Software Install menu.

6. Remove the migration software diskette from the floppy drive.
7. Press **(F6)** (Cancel) until you log off of the INTUITY system.
8. Log into the INTUITY system using the *craft* login.

⇒ NOTE:

The system will not display the Migration menu option on the INTUITY Administration menu until you log back on to the system.

Task 2 - Create a Migration Diskette

Create a migration diskette which will contain the INTUITY files needed for backing up the AUDIX Voice Power Lodging data to be used in the migration.

1. From the INTUITY Administration menu, select:



> Migrations

The system responds with the Migration to Mach 2 or Mach 3 menu (Figure 6-1).

```
==== Migration to Mach 2 or Mach 3 (mig package version = 3.3-41) ====
1) Transfer data from AUDIX R1
2) Transfer data from AUDIX Voice Power
3) Transfer data from AUP Lodging to Intuity Lodging
4) Transfer data from DEFINITY AUDIX
5) Install Default Database
6) Remove Voiced Names
7) Exit
Select option () [ 1 ] :
```

Figure 6-1. Migration to Mach 2 or Mach 3 Menu

2. Select menu option **3**, Transfer Data from AVP Lodging to Intuity Lodging.

The system responds with the following prompt:

Migrating to Intuity Lodging 1.0
Press enter to continue...

3. Press **ENTER**.

The system responds with the Migration from AVPL screen (Figure 6-2).

```
==== Migration From AVPL ====
1) Migrate
2) Create Migration Diskette
3) Display Error File
4) Logout
Select option () [ 1 ] :
```

Figure 6-2. Migration From AVPL Screen

4. Insert a floppy diskette label-side up into the floppy drive.
5. Select menu option **2**, Create Migration Diskette.

The system responds with the following prompts:

Insert Floppy diskette in drive in order to create migration diskette

All data on Floppy diskette will be erased..

Press ENTER when floppy diskette is inserted in diskette drive
Or Press q to quit

6. Press **(ENTER)**.

The system responds by creating a filesystem and copying all of the INTUITY files needed for backing up the AUDIX Voice Power Lodging data to be used in the migration onto the diskette.

```
Creating filesystem on diskette . . .
Mkfs : make s5 file system?
(DEL if wrong)
bytes per logical block = 1024
total logical blocks = 1375
total inodes = 256
gap (physical blocks) = 7
cylinder size (physical blocks) = 400
mkfs: Available blocks = 1355
```

```
s5 filesystem created on diskette . . .
Diskette mounted on /mnt
```

Diskette unmounted

Migration diskette created!!

Please take the migration diskette to the AVPL machine and do the following steps from the unix prompt:

- 1) Type `< mount /dev/dsk/f0t /mnt >`
- 2) Type `< /mnt/backup_avpl >`
- 3) Follow instructions on the screen.

Please note that you will need Unix formatted floppies to backup guest database and and guest speech.

To format floppies do the following steps

From the <Intuity Administration Menu> on the Intuity Lodging machine select

- <Customer/Services Administration>**
- <System Management>**
- <UNIX Management>**
- <Format UNIX Floppy/tape>**

Press enter to continue . . .

7. Press **(ENTER)**.
8. Remove the diskette from the floppy drive.
9. Label the floppy diskette as "System Files and Custom Prompt Backup".

Task 3 - Back-up AUDIX Voice Power Lodging Data

You must now create a back-up of the system database files and custom prompts or system database files, custom prompts, guest database, and guest speech files. This back-up will be used to migrate the files onto the INTUITY system.

1. Log on to the AUDIX Voice Power Lodging system as *root*.
2. Insert the "System Files and Custom Prompt Backup" diskette created during Task 2 - "Create a Migration Diskette" into the floppy drive.
3. Enter **mount /dev/dsk/f0t /mnt** at the command line.
4. Press **(ENTER)**.



NOTE:

Ignore any warnings you receive at this point.

The system returns to the command line.

5. Enter **/mnt/backup_avpl** at the command line.
6. Press **(ENTER)**.

The system responds with the AUDIX Voice Power Lodging Migration menu (Figure 6-3).

```
          Please select one of the options:
          1) Migrate system files and Custom prompts only OR
          2) Migrate Entire Guest database and speech and system files
          3) Exit
Select option ( ) [ 1 ] :
```

Figure 6-3. AUDIX Voice Power Lodging Migration Menu

7. Select menu option **1**, if you want to back-up only system files and custom prompts for migration.

Select menu option **2**, if you want to back-up system files, custom prompts, the guest database, and guest speech files.

⇒ NOTE:

The migration using menu option 2 will take a great deal of more time because of the amount of data to be migrated.

The system responds with the following text:

System parameter files and custom speech being backed up

The system will then list the system files being backed up. Once all of the files have been successfully backed up, the system will display the following message:

System parameter files and custom speech backup complete . . .

8. If you selected menu option **1**, back-up system files and custom prompts only, the back-up process has been completed. Remove the diskette and proceed to Task 4 - Run the Migration.
9. If you selected menu option **2**, back-up system files, custom prompts, the guest database, and guest speech files, the system will display the following prompts:

System parameter files and custom speech backup complete . . .

Please remove System files and Custom prompt backup diskette from diskette drive . .

Press ENTER to continue . . .

10. After removing the diskette, press **(ENTER)**.

The system responds with the following prompt:

Guest database will be backed up on diskette.

Please wait . . .

The system will now calculate the number of UNIX formatted floppy diskettes you will need to back-up the guest database and speech files. The system will respond with the following text:

**You will need approximately X floppy diskette
(1.44 Meg) for backup of guest database
Please wait . . .**

**You will need approximately X to X floppy diskettes
(1.44 Meg) for backup of guest speech**

⇒ NOTE:

The X parameter in the above system displayed text indicates a variable indicating the number of floppy diskettes needed for back-up.

The system will now ask you to label one of the UNIX formatted floppy diskettes as "Migration Save Files: 1" and insert it into the floppy drive. The following text is displayed:

**Label a UNIX formatted floppy "Migration Save Files: 1".
Insert it in floppy drive
Press ENTER to continue . . .**

11. Press **ENTER**.

The system will list the files being backed up. Once the all of the files have been backed up, the system will display the following message:

Backup of UNIX files complete.

12. Remove the Migration Save Files: 1 diskette from the floppy drive.

Backing up guest speech data

```
*****  
* CAUTION : This procedure is a time consuming operation if      *  
*           your application involves a large speech database.    *  
*           It is recommended that you do this operation        *  
*           during off hours.                                     *  
*****
```

Do you wish to continue [y/n]:

13. Enter **n** if you do not want to continue the migration of the guest speech files. If you choose not to back-up the guest speech files at this point, the guest database will inconsistent. You can choose to back-up the guest speech files at a later point in time and then migrate the database and the speech files.

⇒ NOTE:

The migration of the speech files can take a great deal of time. Thus, the system allows you the option not to migrate the files at this time.

The system will return to the command line. Go to Task 4 - "*Run the Migration*".

14. Enter **y** if you wish to continue the migration of the guest speech files.

The system responds with the following prompts:

Please indicate the medium you intend to use to backup speech.

Enter

"C" to backup to CARTRIDGE TAPE

"F" to backup to FLOPPY DISKETTE

Enter "Q" to stop.

⇒ NOTE:

If there is no cartridge tape drive on the AUDIX Voice Power Logging system, the system will respond with the following text:

FLOPPY DISKETTE is going to be used for backup.

15. Enter **C** if you will use a cartridge tape to back-up the guest speech files. Press **ENTER**.
16. Enter **F** if you will use floppy diskettes to back-up the guest speech files. Press **ENTER**.

⇒ NOTE:

The system has previously indicated the number of floppy diskettes you will need to back-up the guest speech files.

17. If you entered **C**, the system responds with the following prompts:

Label a free tape. Insert it in the tape drive.

Press ENTER to continue . . .

Label the cartridge tape as "*Migration Save Speech*", insert it into the tape drive, and press **ENTER**.

The system will list the phrase numbers and phrases being backed up. Once the back-up has been successfully completed, the system will display the following text:

Backup of speech files complete . . .

Messaging Waiting Lamps will be turned off..

Getting list of extensions with new messages..

The system will display a list of extensions whose messaging waiting lamps (MWLs) are being turned off.

Remove the cartridge tape from the tape drive and go to Task 4 - Run the Migration.

18. If you entered **F**, label all the diskettes as "*Migration Save Speech*", and press **ENTER**.

The system will list the phrase numbers and phrases being backed up.



NOTE:

The system will prompt you to enter a new diskette when necessary.

Once the back-up has been successfully completed, the system will display the following text:

Backup of speech files complete . . .

Messaging Waiting Lamps will be turned off..

Getting list of extensions with new messages..

The system will display a list of extensions whose messaging waiting lamps (MWLs) are being turned off.

The system returns to the command line.

19. Remove the floppy diskette from the floppy drive and go to Task 4 - Run the Migration.

Task 4 - Run the Migration

Run the migration to move AUDIX Voice Power Lodging subscriber data to the INTUITY system.

1. On the INTUITY system, starting at the Migration from AVPL screen, refer to Figure 6-2, select menu option **1**, *Migrate*.
2. Press **(ENTER)**.

The system responds with the following prompts:

**Insert the floppy disk with the AUDIX Voice Power Lodging backup
(System files and Custom prompts) on it.**

**Press ENTER when the floppy is inserted.
Press enter to continue.**

3. Insert the "*System Files and Custom Prompt*" back-up diskette created during Task 3 - Back-up AUDIX Voice Power Lodging Data, into the floppy drive.
4. Press **(ENTER)**.

The system responds with the following text:

Migration started.

The system will display a list of the files being converted. The following is an example of text which could be displayed:

```
Converting .paramfile . . . . .  
.paramfile converted . . . .  
Converting .pmsparam . . . . .  
.pmsparam converted . . . .  
Converting adminfile . . . . .  
.adminfile converted . . . .  
Converting prompt00 . . . . .  
.prompt00 converted . . . .  
Converting .pwdb . . . . .  
.pwdb converted . .
```

Once the files have been migrated, the system will display the following prompt:

**System files and custom prompt migration completed.
Press enter to continue . . .**

5. Press **(ENTER)**.

6. If you have chosen *not* to migrate the guest database and speech files, the system will return to the Migration From AVPL screen. You will now need to go to Task 5 - Check the Error File.

If you have chosen to migrate the guest database and guest speech files, the system will respond with the following prompt:

Restoration of Guest database in progress . . .

**Please insert Guest database [Migration Save Files: 1] diskette
in floppy drive and press ENTER when ready or
press 'q' to quit . . .**

7. Insert the first "Migration Save Files" back-up diskette created during Task 3 - Back-up AUDIX Voice Power Lodging Data, into the floppy drive.
8. Press **(ENTER)**.

The system responds with a list of the guest database files being migrated. Once the files have been migrated the system will display the number of blocks migrated and the following prompt for migrating guest speech files:

Please indicate the medium you intend to use.

Enter

**"C" to restore speech from CARTRIDGE TAPE
"F" to restore speech from FLOPPY DISKETTE**

Enter "Q" to stop.

⇒ NOTE:

If you entered **n** in response to Step 10 on Task 3 - "*Back-up AUDIX Voice Power Lodging Data*", meaning you decided not to back up the guest speech files, you can press **q** to quit. The system will return to the command line. Go to Task 5 - "*Check the Error File*".

9. Remove the Migration Save Files back-up diskette from the floppy drive.
10. Enter **C** if you are migrating guest speech files from a cartridge tape. Press **(ENTER)**.

Enter **F** if you are migrating guest speech files from floppy diskettes. Press **(ENTER)**.

Cartridge Tape Migration (Guest Speech Files)

1. If you entered **C** in response to Step 9, the system responds with the following prompts:

**Please insert tape in drive and
Press ENTER . .**

2. Insert the cartridge tape labeled "*Migration Save Speech*" created in Task 3 - "*Back-up AUDIX Voice Power Lodging Data*".

3. Press **(ENTER)**.

The system responds with the following text:

Please wait . . . rewinding tape.

The system will now rewind the back-up tape containing the guest speech files and will then migrate the files. Once the migration is complete, the system will display the following prompt:

Speech restoration procedure is complete . . .

Guest database and speech migration completed.

Press enter to continue . . .

4. Remove the cartridge tape from the tape drive.

5. Press **(ENTER)**.

If the INTUITY voice system is active, the system responds with the following prompt:

Please stop and start the Voice system . . .

Press enter to continue . . .

6. Press **(ENTER)**.

The system will return to the Migration from AVPL menu.

7. Go to Task 5 - "*Check the Error File*".

Floppy Diskette Migration (Guest Speech Files)

1. If you entered **F** in response to Step 9, the system responds with the following prompts:

Restoration of Guest Speech in progress...

**Please insert Guest Speech (Migration Save Speech) diskette
in floppy drive and press ENTER when ready or
press 'q' to quit when all floppies have been read . . .**

2. Insert one of the Migration Save Speech diskettes created during Task 3 - "*Back-up AUDIX Voice Power Lodging Data*" into the floppy drive.

⇒ NOTE:

You can insert the floppy diskettes into the floppy drive for migration in any order. They do *not* need to be in the order in which you backed them up.

3. Press **(ENTER)**.

The system will prompt:

Please wait

The system will display phrase numbers that are being restores onto the system.

The system will prompt you to enter another diskette:

Please insert Guest Speech (Migration Save Speech) diskette in floppy drive and press ENTER when ready or press 'q' to quit when all floppies have been read . . .

4. Once all diskettes have been read, remove the last diskette from the floppy drive and enter **q**.

Once the migration is complete, the system will respond with the following prompt:

Guest database and speech migration completed.

Press enter to continue . . .



NOTE:

If the INTUITY voice system is active, the system will now respond with the following prompt:

Speech restoration procedure is complete.

Please stop and start the Voice system . . .

Press enter to continue . . .

5. Press **ENTER**.

The system will return to the Migration from AVPL menu.

6. Go to Task 5 - "*Check the Error File*".

Task 5 - Check the Error File

Check the error file to see if you missed any error messages that may have appeared during the data transfer.

1. At the Migration from AVPL menu, select menu option **3**, Display Error File.

The system will respond with a list of error messages, if any were encountered, or if there were no errors, the system will display the following test:

No errors . . .
Press Enter to continue...

2. Make note of any error displayed, if errors cause problems contact the TSC.



NOTE:

To exit the log file before you reach the end, enter **q** at the colon (:).

3. Press **(ENTER)** to return to the Migration From AVPL menu.
4. Select menu option **4**, Logout, to exit the file.
5. Select menu option **7**, Exit, to exit the Migration From AVPL menu.

The system returns to the INTUITY Administration menu.

Task 6 - Administer the Switch

Once the migration of data and speech files from the AUDIX Voice Power Lodging system to the INTUITY system has been successfully completed, you must administer the switch associated with the INTUITY system.

The migration procedures are divided into two parts:

- Migration from AUDIX Voice Power Lodging systems co-resident with AUDIX Voice Power as the voice mail system for the hotel staff.
- Migration from AUDIX Voice Power Lodging systems without AUDIX Voice Power.

Migration from AUDIX Voice Power Lodging Co-Resident System

The following tables list the switch administration tasks necessary when migrating from AUDIX Voice Power Lodging on a co-resident system which has AUDIX Voice Power for hotel staff.

AUDIX Voice Power Lodging R1.1

Table 6-2 lists the administrative tasks for the G1, G3i, G3s, and G3vs switches associated with AUDIX Voice Power Lodging R1.1.

Table 6-2. DEFINITY G1, G3i, G3s, and G3vs Switch Administration Tasks

Task	Description
1.	Stop the AUDIX Voice Power Lodging system and shut the machine off.
2.	Unplug all tip/ring lines from the AUDIX Voice Power Lodging system and tag them with their extension number and a number corresponding to the order in which they were removed. See Step 5.
3.	Unplug the switch interface link from the AUDIX Voice Power Lodging system and connect it to the GPsync card on the AT&T Intuity system.
4.	Unplug the PMS link cable from AUDIX Voice Power Lodging and plug the cable into the serial port reserved for PMS on AT&T Intuity Lodging.
5.	Plug all the tip/ring lines removed from the AUDIX Voice Power Lodging system into the voice card on the Intuity system in the same order in which they were connected to the AUDIX Voice Power system.
6.	<p>On the DEFINITY system, remove the extension number used for accessing staff voice mail:</p> <ul style="list-style-type: none"> ■ Enter <code>remove station extension number</code> <p> NOTE: The <i>extension number</i> is the extension number associated with the staff voice retrieval.</p>
7.	<p>Determine the voice mail hunt-group:</p> <ul style="list-style-type: none"> ■ Enter <code>list hunt-group</code> on the switch console ■ Write down the hunt group number which has its Message Center listed as "<i>audix</i>" or "<i>A</i>". It will be needed for later steps.
8.	<p>Change the voice mail hunt group. This hunt group is referred to as the Intuity hunt group in following steps:</p> <ul style="list-style-type: none"> ■ Enter <code>change hunt-group hunt group number</code> on the switch console. <p> NOTE: The <i>hunt group number</i> is the hunt group number determined in Step 7.</p> <ul style="list-style-type: none"> ■ Write down the extension number in the <code>Group Extension</code> field. This will be needed in Step 10.

Table 6-2. DEFINITY G1, G3i, G3s, and G3vs Switch Administration Tasks

Task	Description
9.	<p>■ Enter the staff voice mailbox extension number in the <code>Group Extension</code> field. This is the same extension number used in Step 6.</p> <p>■ On the Group Member Assignment screen, enter the tip/ring line extension numbers in the order in which they are connected to the Intuity system.</p> <p>■ Press <code>(ENTER)</code> to save the changes.</p> <hr/> <p>Create a coverage path to send all calls to the Intuity hunt group:</p> <p>■ Enter <code>add coverage-path unused number</code> on the switch console.</p> <p>⇒ NOTE:</p> <p>The <i>unused number</i> is any number not currently in use.</p> <p>■ Enter the Intuity hunt group as the Coverage Point and enter ALL as the Criteria for coverage.</p> <p>■ Press <code>(ENTER)</code> to save the changes.</p>
10.	<p>Add a phantom station for use as the guest voice mail retrieval number:</p> <p>■ Enter <code>add station extension number</code>.</p> <p>⇒ NOTE:</p> <p>The <i>extension number</i> is the group extension number as noted in Step 8.</p> <p>■ Enter <code>x</code> in the <code>Port</code> field to indicate that this station does not have hardware associated with it.</p> <p>⇒ NOTE:</p> <p>On some 75 systems, this will not be permitted. Enter a valid unused port ID.</p> <p>■ Enter the coverage path created in Step 9 in the <i>Coverage Path</i> field.</p> <p>■ Press <code>(ENTER)</code> to save the changes.</p>

Table 6-2. DEFINITY G1, G3i, G3s, and G3vs Switch Administration Tasks

Task	Description
11.	<p>Disable the switch interface link:</p> <ul style="list-style-type: none"> ■ Enter <code>disp communication-interface links</code> on the switch console. ■ Write down the link number whose <code>identification</code> field is "audix". ■ Enter <code>busyout link number</code> <p> NOTE: The link number was written down in the previous bullet step.</p> <ul style="list-style-type: none"> ■ Enter <code>change communication-interface links</code> on the switch console. ■ Complete the following for link number used in steps above: <ul style="list-style-type: none"> ■ Enter n in the <code>Enable</code> field ■ Enter DTE in the <code>DTE/DCE</code> field ■ Press (ENTER) to save the changes
12.	<p>Change the processor channel:</p> <ul style="list-style-type: none"> ■ Enter <code>change communication-interface processor-channels</code> on the switch console. ■ Enter the following for the <code>Proc Chan 59</code>: <ul style="list-style-type: none"> ■ Enter 1 in the <code>Remote Proc Chan</code> field
13.	<p>Enable the switch interface link:</p> <ul style="list-style-type: none"> ■ Enter <code>change communication-interface links</code> on the switch console. ■ Enter y in the <code>Enable</code> field for link number used in steps above. ■ Press (ENTER) to save the changes.
14.	<p>Administer the Intuity system to process calls.</p> <p> NOTE: Refer to <i>Intuity Software Installation for Release 3.0</i> (585-310-160), <i>Chapter 3, Initial Platform Administration and Test</i> for instructions.</p>

AUDIX Voice Power Lodging R3.0

Table 6-2 lists the administrative tasks associated with a migration from AUDIX Voice Power Lodging R3.0 on a co-resident system..

Table 6-3. All DEFINITY Switch Administration Tasks

Task	Description
1.	Stop the AUDIX Voice Power Lodging system and shut the machine off.
2.	Unplug all tip/ring lines from the AUDIX Voice Power Lodging system and tag them with their extension number and a number corresponding to the order in which they were removed.
3.	Unplug the PMS link cable from AUDIX Voice Power Lodging and plug the cable into the serial port reserved for PMS on AT&T Intuity Lodging.
4.	Plug all the tip/ring lines removed from the AUDIX Voice Power Lodging system into the voice card on the Intuity system in the same order in which they were connected to the AUDIX Voice Power system.
5.	<p>On the DEFINITY system, remove the extension number used for accessing guest voice mail messages:</p> <ul style="list-style-type: none"> ■ Enter <i>remove station extension number</i> <p>⇒ NOTE: The <i>extension number</i> is the extension number associated with the guest voice retrieval.</p>
6.	<p>Remove the extension number used for accessing staff voice mail messages:</p> <ul style="list-style-type: none"> ■ Enter <i>remove station extension number</i> <p>⇒ NOTE: The <i>extension number</i> is the extension number associated with the staff voice mail retrieval.</p>
7.	Perform Intuity switch administration tasks described in the appropriate switch administration book, beginning at the <i>Assign Hunt Group</i> section.

Table 6-3. All DEFINITY Switch Administration Tasks

Task	Description
8.	<p>To assign the hunt-group:</p> <ul style="list-style-type: none"> ■ Enter the staff voice mailbox extension number in the <i>Group Extension</i> field. This number is the same as used in Step 6. ■ On the Group Member Assignment screen, enter all the tip/ring extension numbers in the order in which they are connected to the Intuity system. ■ Press (ENTER) to save the changes.
9.	<p>Create a coverage path to send all calls to the Intuity hunt group:</p> <ul style="list-style-type: none"> ■ Enter <i>add coverage-path unused number</i> on the switch console. <p>⇒ NOTE: The <i>unused number</i> is a number not currently in use.</p> <ul style="list-style-type: none"> ■ Enter the Intuity hunt group as the Coverage Point and enter ALL as the Criteria for coverage. ■ Press (ENTER) to save the changes.
10.	<p>Add a phantom station fro use as the guest voice mail retrieval number:</p> <ul style="list-style-type: none"> ■ Enter <i>add station extension number</i>. <p>⇒ NOTE: The <i>extension number</i> is the guest mail retrieval number as used in Step 5.</p> <ul style="list-style-type: none"> ■ Enter X in the <i>Port</i> field to indicate that this station does not have hardware associated with it. <p>⇒ NOTE: On some 75 systems, this will not be permitted. Enter a valid unused port ID.</p> <ul style="list-style-type: none"> ■ Enter the coverage path created in Step 9 in the <i>Coverage Path</i> field. ■ Press (ENTER) to save the changes.
11.	<p>Administer the AT&T Intuity system to process calls.</p> <p>⇒ NOTE: Refer to <i>Intuity Software Installation for Release 3.0</i> (585-310-160) for instructions.</p>

AUDIX Voice Power Lodging R3.0 with ICSS Low End Voice Mail Software

Table 6-2 lists the administrative tasks associated with a migration from AUDIX Voice Power Lodging R3.0 with AUDIX Voice Power for hotel staff and the ICSS Low End Voice Mail software.

Table 6-4. All DEFINITY Switch Administration Tasks

Task	Description
1.	Stop the AUDIX Voice Power Lodging system and shut the machine off.
2.	Unplug all tip/ring lines from the AUDIX Voice Power Lodging system and tag them with their extension number and a number corresponding to the order in which they were removed.
3.	Unplug the PMS link cable from AUDIX Voice Power Lodging and plug the cable into the serial port reserved for PMS on AT&T Intuity Lodging.
4.	Plug all the tip/ring lines removed from the AUDIX Voice Power Lodging system into the voice card on the Intuity system in the same order in which they were connected to the AUDIX Voice Power system.
5.	<p>On the DEFINITY system, remove the extension number used for accessing staff voice mail messages:</p> <ul style="list-style-type: none"> ■ Enter <code>remove station extension number</code> <p>⇒ NOTE: The <i>extension number</i> is the extension number associated with the staff voice retrieval.</p>
6.	<p>Perform Intuity switch administration tasks described in the appropriate switch administration book, beginning at the <i>Assign Hunt Group</i> section.</p> <p>To assign the hunt-group:</p> <ul style="list-style-type: none"> ■ Enter the staff voice mail retrieval number in the <code>Group Extension</code> field. This number is the same as used in Step 5. ■ On the Group Member Assignment screen, enter all the tip/ring extension numbers in the order in which they are connected to the Intuity system. ■ Press <code>(ENTER)</code> to save the changes.

Table 6-4. All DEFINITY Switch Administration Tasks

Task	Description
7.	<p>Create a coverage path to send all calls to the Intuity hunt group:</p> <ul style="list-style-type: none"> ■ Enter <code>add coverage-path unused number</code> on the switch console. <p>⇒ NOTE: The <i>unused number</i> is a number not currently in use.</p> <ul style="list-style-type: none"> ■ Enter the Intuity hunt group as the Coverage Point and enter ALL as the Criteria for coverage. ■ Press <code>(ENTER)</code> to save the changes.
8.	<p>Add a phantom station from use as the new guest voice mail retrieval number:</p> <ul style="list-style-type: none"> ■ Enter <code>add station extension number</code>. <p>⇒ NOTE: The <i>extension number</i> is</p> <ul style="list-style-type: none"> ■ Enter <code>x</code> in the <code>Port</code> field to indicate that this station does not have hardware associated with it. <p>⇒ NOTE: On some 75 systems, this will not be permitted. Enter a valid unused port ID.</p> <ul style="list-style-type: none"> ■ Enter the coverage path created in Step 9 in the <i>Coverage Path</i> field. ■ Press <code>(ENTER)</code> to save the changes.
9.	<p>Administer the AT&T Intuity system to process calls.</p> <p>⇒ NOTE: Refer to <i>Intuity Software Installation for Release 3.0</i> (585-310-160) for instructions.</p>

Migration from AUDIX Voice Power Lodging Non Co-Resident System

The following tables list the switch administration tasks necessary when migrating from AUDIX Voice Power Lodging on a non co-resident system which does not have AUDIX Voice Power for hotel staff.

AUDIX Voice Power Lodging R1.1

Table 6-2 lists the administrative tasks associated with a migration from AUDIX Voice Power Lodging R1.1 on a non co-resident system.

Table 6-5. DEFINITY G1, G3i, G3s, and G3vs Switch Administration Tasks

Task	Description
1.	Stop the AUDIX Voice Power Lodging system and shut the machine off.
2.	Unplug all tip/ring lines from the AUDIX Voice Power Lodging system and tag them with their extension number and a number corresponding to the order in which they were removed.
3.	Unplug the switch interface link from the AUDIX Voice Power Lodging system and connect it to the GPsync card on the Intuity system.
4.	Unplug the PMS link cable from AUDIX Voice Power Lodging and plug the cable into the serial port reserved for PMS on AT&T Intuity Lodging.
5.	Plug all the tip/ring lines removed from the AUDIX Voice Power Lodging system into the voice card on the Intuity system in the same order in which they were connected to the AUDIX Voice Power system.
6.	<p>Disable the switch interface link:</p> <ul style="list-style-type: none"> ■ Enter <code>disp communication-interface links</code> on the switch console. ■ Write down the link number whose <code>identification</code> field is "audix". ■ Enter <code>busyout link number</code> <p>⇒ NOTE: The link number was written down in the previous bullet step.</p> <ul style="list-style-type: none"> ■ Enter <code>change communication-interface links</code> on the switch console.

Table 6-5. DEFINITY G1, G3i, G3s, and G3vs Switch Administration Tasks

Task	Description
	<ul style="list-style-type: none"> ■ Complete the following for link number used in steps above: <ul style="list-style-type: none"> ■ Enter n in the <code>Enable</code> field ■ Enter DTE in the <code>DTE/DCE</code> field ■ Press <code>(ENTER)</code> to save the changes
7.	<p>Change the processor channel:</p> <ul style="list-style-type: none"> ■ Enter <code>change communication-interface processor-channels</code> on the switch console. ■ Enter the following for the <code>Proc Chan 59</code>: <ul style="list-style-type: none"> ■ Enter 1 in the <code>Remote Proc Chan</code> field
8.	<p>Enable the switch interface link:</p> <ul style="list-style-type: none"> ■ Enter <code>change communication-interface links</code> on the switch console. ■ Enter y in the <code>Enable</code> field for the link number used in steps above. ■ Press <code>(ENTER)</code> to save the changes.
9.	<p>Administer the Intuity system to process calls.</p> <p> NOTE: Refer to <i>Intuity Software Installation for Release 3.0</i> (585-310-160), <i>Chapter 3, Initial Platform Administration and Test</i> for instructions.</p>

AUDIX Voice Power Lodging R3.0

Table 6-2 lists the administrative tasks associated with a migration from AUDIX Voice Power Lodging R3.0 on a non co-resident system.

Table 6-6. All DEFINITY Switch Administration Tasks

Task	Description
1.	Stop the AUDIX Voice Power Lodging system and shut the machine off.
2.	Unplug all tip/ring lines from the AUDIX Voice Power Lodging system and tag them with their extension number and a number corresponding to the order in which they were removed.
3.	Unplug the PMS link cable from AUDIX Voice Power Lodging and plug the cable into the serial port reserved for PMS on AT&T Intuity Lodging.
4.	Plug all the tip/ring lines removed from the AUDIX Voice Power Lodging system into the voice card on the Intuity system in the same order in which they were connected to the AUDIX Voice Power system.
5.	<p>On the DEFINITY system, remove the extension number used for accessing guest voice mail messages:</p> <ul style="list-style-type: none"> ■ Enter <code>remove station extension number</code> <p>⇒ NOTE: The <i>extension number</i> is the extension number associated with the guest voice mail retrieval.</p>
6.	Perform Intuity switch administration tasks described in the appropriate switch administration book.
7.	<p>To assign the hunt-group:</p> <ul style="list-style-type: none"> ■ Enter the guest voice mailbox extension number in the <code>Group Extension</code> field. The same number used in Step 5. ■ On the Group Member Assignment screen, enter all the tip/ring extension numbers in the order in which they are connected to the Intuity system. ■ Press <code>(ENTER)</code> to save the changes.
8.	<p>Administer the Intuity system to process calls.</p> <p>⇒ NOTE: Refer to <i>Intuity Software Installation for Release 3.0</i> (585-310-160), Chapter 3, <i>Initial Platform Administration and Test</i> for instructions.</p>

Task 7 - Remove Migration Software

To preserve disk space, remove the migration software when the migration is complete.

1. At the System Management menu, select:

>UNIX Management

>Software Remove

The following Installed Software List (Figure 6-4) appears.

```
The following packages are available:
1 IUC6DI      AT&T Intuity IUC6 Device Interface for softFAX 2.0
                {x86sur4_intsl} 2.0c120110
2 IUR        Intuity Intro Voice Response Set
                {486} 1.0-16
3 UM         AUDIX(R) Module marker file
                {AUDIX} NA
4 UM-dfltdb  AUDIX(R) Default db
                {AUDIX} 2.0-18
5 UM-files   AUDIX(R) Files
                {AUDIX} 3.3-23
6 UM-sw      AUDIX(R) Software
                {AUDIX} 3.3-23
7 UM-upg     AUDIX(R) Upgrade
                {AUDIX} 3.2-8
8 Vex       Intuity Application Software Set
                {486} 3.0-23
9 VoiceCalc  Interactive Voice Calculator
                {486} R1.0
10 acp       Enhanced Application Compatibility
                {386} 1

... 56 more menu choices to follow:
<RETURN> for more choices, <CTRL-D> to stop display:
```

Figure 6-4. Installed Software List

2. When you have identified the number of the INTUITY migration software, press .

The system responds with the following prompt:

Select package(s) you wish to process (or 'all' to process all packages). (default: all) [?,??,q]:

3. Enter the item number of the INTUITY migration software.

The system responds with following prompt:

Do you want to remove this package [y,n,?,q]

4. Enter **y**.

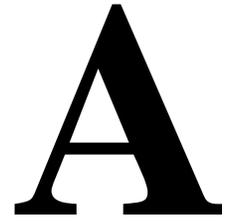
The migration package is removed.

5. Press (Cancel).

The system returns to the UNIX Management menu.

6. Press (Cancel) until you return to the INTUITY Administration menu.

Migration Error Codes



Overview

You may encounter error codes during a migration. This appendix contains the most common errors you may encounter.

Error Codes

Table A-1 lists error codes which may appear in a migration log file. Use the corresponding descriptions to help determine how to correct migration problems.

Table A-1. Migration Error Codes

Code	Description
0	Done; the data is okay
4	Bad data
5	Invalid entry
6	Bad data; data is out of range
9	Hardware device busy
10	You cannot change from n to y using this form
12	System error
13	Maintenance port busy
14	Invalid input
15	Hardware unit not configured
16	Unmatched volume label
17	Announcement set already exists
18	Invalid hardware unit
19	A number out of range
20	Tape and system's machine name and software release numbers do not match
21	Tape and system's software release numbers do not match
22	Tape and system's machine names do not match
23	System is in a shutdown state
24	Operation aborted
25	Partial subscriber name is not unique
26	Remote Subscriber Specified
27	No Subscriber Administered for this Extension
28	Call back number exceeds 15 digits
29	Country code of 0 is not valid
30	The specified address is not a voice port
31	Voice-group is currently busy

Table A-1. Migration Error Codes — Continued

Code	Description
32	System Error = default AE code
33	Old password must be entered
34	Bad volume name
35	Volume name already exists
36	Hardware unit is unequipped
37	Hardware unit fault
38	Data is unavailable - check back later
39	Cannot decrease file system size
40	Not a valid field for delete
41	Up to 5 digits are valid per extension
42	Duplicate extension - already in use
43	Duplicate touch tone - already in use
44	Invalid extension length
45	Extension range limit exceeded
46	Value exceeds system limits
47	Enter a value in this field
48	Previous copy still in progress
49	No more subscriber IDs available
50	Logical copy to non-existing file system not allowed
51	File system in use - administration shutdown required
52	Volume does not exist
53	File system does not exist
54	Already exists
55	Does not exist
56	Local machine cannot be removed
57	Duplicate name - already in use
58	Illegal machine type
59	File system in use
60	Too many digits entered
61	Too few digits entered
62	Call transfer out of AUDIX feature not active

Table A-1. Migration Error Codes — Continued

Code	Description
63	System covering extension not assigned
64	Enhanced transfer set to not active
65	Invalid hour entered on traffic report form
66	Invalid date entered on traffic report form
67	Subscriber activity in progress, try remove later
68	Feature not enabled. For example, outcalling on IMAPI = y but outcalling is not active.
72	Command Initiated use Status Tape to check the progress
73	Address range allocation exceeded
74	Status command completed
75	Machine name already exists
76	Machine does not exist
77	Machine name does not exist
78	Not enough characters in password
79	No partial overlaps permitted
80	Message transmission schedule exceeds 24 hours
81	Use new machine name field
82	Entry must contain at least one non-digit
83	Administered/non-administered subscriber threshold reached
84	Too many machine names specified
85	Duplicate node
86	Last node in node list - cannot remove
87	Cannot change node for unknown subscriber
88	Copy Initiated
89	Remove Initiated
90	Switch number not administered field must be blank
91	To confirm, press "y"
92	Number of network machines exceeds maximum limit
93	Local machine name specified
94	Local subscriber name specified
95	File system not mounted

Table A-1. Migration Error Codes — Continued

Code	Description
96	Only ACTIVE file system fragments may be cached
97	Only the ADMIN file system can be modified
98	Audit or backup in progress
99	Invalid extension for this node
100	Operation confirmed application error code
101	Invalid fragment ID entered
102	Too many actions requested
103	Remote update failed
104	File system being mirrored or already mirrored
105	Invalid file system for mirroring
106	File system mirroring in progress, try later
107	Master and slave cannot be on same disk
108	Cannot increase slave size, increase master instead
109	Invalid number of digits in field
110	Invalid test selected for current switch * connection type
111	Too many message waiting ports specified
112	Filesystem name is too big (file system name.type must be less than 16 characters)
113	Address ranges on system
114	Broadcast mailbox cannot change COS
115	Broadcast mailbox permissions type must be "none"
116	Name exists for AUDIX or text service machine
117	Duplicate local or remote extension in use
118	Incorrect record length read
119	EOF reached without finding a record
120	Disk init selected, press 'y' to confirm
121	Invalid Automated Attendant Transfer Treatment
122	Port not available for use
123	Fragment zero cannot be removed
124	Transfer subscriber does not have call answer permissions but no automated attendant extension
125	Ports 30 - 32 refer to VPT 5

Table A-1. Migration Error Codes — Continued

Code	Description
126	No audit status available
127	No VPT 2 assigned
131	Bad class-of-service name or number
132	Not unique class-of-service name
133	Cannot change filesystem type
134	Cannot increase filesystem size
135	File system already mounted - diff mt pt
136	Conflicting new class-of-service name
137	Illegal extension (add subscriber command line)
138	Confirm turning off CDR (ch sys cdr)
139	Cannot decrease CDR buffer size (ch sys cdr)
140	No test to reattach to (status test)
141	Must wait for previous test to complete
142	New Password and Confirm Password fields do not match
143	Invalid fragment
144	Fragment does not exist
145	Announcement set does not exist
146	Insufficient space in file system
147	Invalid announcement set
148	Not a touch tone unique announcement set
149	Active announcement set cannot be removed
150	Invalid announcement ID
151	Announcement does not exist
152	Cannot copy into active announcement set
153	Admin announcement set not defined
154	Permission denied
155	Cannot do a synchronization with the switch in OAM state
156	Invalid switch type for time sync. with switch
157	Device is write-protected
158	Confirm tape erasure
159	Confirm possible disk data erasure

Table A-1. Migration Error Codes — Continued

Code	Description
160	Tape drive not ready - check cartridge
161	Tape access disable - check alarms
162	Tape not administered
163	Cannot write to tape - volume type must be "backup"
164	Restore failed - check admin/error logs
165	DATEMSK env var. is not set
166	Template file can't be open for reading
167	Failed to get file status information
168	The template is not a regular file
169	Error reading template file
170	Malloc failed (not enough memory)
171	No line in template file matches input
172	Already administered
173	Time sync. failed
174	Duplicate location - already in use
175	Day must be between 0 and 31
176	Year must be greater than 1989
177	Minutes must be between 0 and 59
178	Hour must be between 0 and 23
179	Turning off this feature will delete many user greetings. Press enter to confirm?
180	Must wait for previous audit to complete
181	Provisioned ports is less than ports administered
182	Switch connection type must be 'Embedded'
183	You cannot administer more ports than you have purchased
184	You must supply a valid resource type
185	Choose either Active or Resolved alarms
186	Missing Major, Minor and/or Warning selection
187	Machine name is not unique
188	Machine type is invalid
189	Command not valid for amisac machine

Table A-1. Migration Error Codes — Continued

Code	Description
190	Activity Log will be cleared. Press enter to confirm, cancel to cancel.
191	System initializing
192	System will be automatically restarted
193	Link log will be cleared
194	Invalid switch number
195	Host switch must be administered
196	Customer or old password incorrect
197	Cannot assign guest password to subscriber
198	Number of subscribers exceed sys limits
230	Baud rate valid for synchronous only
231	Duplicate Baud Rate
232	Board must be busied out first
233	Transfer type invalid for configuration
234	Full update in progress
235	Remote subscriber limit hit
236	No remote subscriber IDs
237	Update from this machine not allowed
1000	Not owner of resource
1001	Too many actions requested
1002	Operation halted
1003	Enhanced transfer not active
1004	Audit had to do a fix
1005	Resource allocation failure
1006	At end of message
1007	At start of the message
1008	Another audit already in progress
1009	Bad announcement
1010	Bad checksum
1011	Bad file format
1012	Invalid fragment ID entered

Table A-1. Migration Error Codes — Continued

Code	Description
1013	No record with desired key is found
1014	List to be added does not exist
1015	Bad master file system
1016	Both master and slave file systems have errors
1017	Invalid port
1018	Incorrect record length read
1019	Conflicting start operation already in progress
1020	Bad slave file system
1021	The subscriber does not exist
1022	Bad server
1023	Value out of range
1024	Invalid transaction ID
1025	Label does not match disk label
1026	Unassigned datalink
1027	Background timeout
1028	Write/Read buffer ID illegal
1029	Illegal xact-lock #
1030	Only active file system fragments may be cached
1031	Invalid configuration
1032	Command invalid in current state
1033	Invalid command length
1034	Error code for invalid community ID
1035	Controller not configured
1036	Device or controller not configured **
1037	Press delete again for confirmation
1038	System is in a conflicting state
1039	Invalid date
1040	Resource deallocation failure
1041	Can't delete ACTIVE or ADMIN versions
1042	Covering extension is invalid
1043	Dial denied

Table A-1. Migration Error Codes — Continued

Code	Description
1044	Data is unavailable
1045	Duplicate extension
1046	Duplicate alias exist
1047	Duplicate user name
1048	Duplicate node name
1049	Duplicate range
1050	Duplicate touch tone equivalent
1051	Duplicate disk label on system
1052	Empty
1053	Enhanced transfer set to not active
1054	Enter a value in this field
1055	Invalid extension length
1056	Too few digits entered
1057	Invalid flag value
1058	No such file name
1059	Field name too long
1060	Field not empty
1061	Wrong file organization
1062	File system name is too big
1063	Help request
1064	Invalid hour
1065	Hardware unit not configured
1066	Invalid hardware unit
1067	Hang-up
1068	Hardware error
1069	Invalid code
1070	Invalid system ID
1071	Invalid end of file setting
1072	Invalid extension for this node
1073	Invalid access code
1074	Announcement version not active

Table A-1. Migration Error Codes — Continued

Code	Description
1075	Incompatible data
1076	Inconclusive result from Mtce Activity
1077	Disk initialization selected, press 'y' to confirm
1078	Invalid number of digits
1079	Invalid file system for mirroring
1080	File system being mirrored or already mirrored
1081	Data mirroring initiation in progress
1082	Incorrect length on address ranges
1083	Invalid initialization for RS232 modem
1084	Invalid input
1085	Invalid message
1086	Invalid session ID
1087	Invalid test for current switch connection type
1088	Invalid vintage
1089	Key already exists or attempt to write on pristine file
1090	Bad key length
1091	Extension range exceeds limit
1092	Length of message slot out of range
1093	Datalink not maintenance busy for testing
1094	Link error
1095	Multiple tests of datalink interface not allowed
1096	Local machine name specified
1097	Too many digits entered
1098	Request rejected
1099	Recorded maximum allowed
1100	Invalid message body ID
1101	Too many devices
1102	Machine name exists
1103	Invalid mode
1104	Another call is necessary
1105	File system mounted

Table A-1. Migration Error Codes — Continued

Code	Description
1106	Maximum rescheduling attempts reached
1107	No such alias exists
1108	Boot file system does not exist
1109	No call in progress using specified device
1110	Invalid channel
1111	Invalid class of service
1112	Copy from active boot file system not allowed
1113	Not an enterable filed
1114	The object does not exist
1115	No such field index
1116	Distribution list does not exist
1117	No file system mounted
1118	No message found
1119	Number of message slots out of range
1120	Number of network channels out of range
1121	No loop current after off-hook
1122	No carrier
1123	No status information to retrieve
1124	Cannot decrease file system size
1125	Not a valid field for delete
1126	No dial
1127	Loop current detected after on-hook
1128	Not duplicated
1129	File system does not exist
1130	Audit error but not allowed to fix it
1131	Flash hook for transfer failed
1132	No locks
1134	Logical copy to nonexisting file system not allowed
1135	Measurements not turned on
1136	Modem Looparound test not available.
1137	No more objects

Table A-1. Migration Error Codes — Continued

Code	Description
1138	Last node in node list, cannot remove it
1139	Physical copy to existing file system not allowed
1140	Outpulse for transfer failed
1141	No more records
1142	Cannot supply requested resource
1143	No ringing
1144	RS232 ports unavailable
1145	No available space or resource
1146	No port translation for requested port
1147	Message not scheduled
1148	Volume does not exist
1149	No tasks waiting on event
1150	System covering extension not assigned
1151	Call transfer out of AUDIX feature not active
1152	Null primary key illegal
1153	Wrong number of primary keys
1154	Space not previously reserved
1155	Thresholds appear out of order
1156	File system in use - admin shutdown required
1157	Not same record as in file
1158	No such table
1159	No volume
1160	No more entries left in xfile
1161	End of audit
1162	Old password must be entered
1163	No more messages
1164	Invalid command opcode
1165	Unit or device being equipped out of order
1166	More than MAX_NPORTS incoming NET manager files
1167	Warning, overlapping ranges
1168	Invalid password

Table A-1. Migration Error Codes — Continued

Code	Description
1169	Port number is out of range
1170	No partial overlaps permitted
1171	Invalid procedure ID
1172	Datalink read operation failure
1173	Reset returned non-zero status bits
1174	Resume returned non-zero status bits
1175	Field only relevant for local machines
1176	Ring - no answer
1177	Message transmission schedule exceeds 24 hours
1178	Duplicate local or remote extension in use
1179	Use <code>new_ext</code> field to change subscriber ext
1180	Request rejected
1181	Slot in use
1182	Use <code>new_name</code> field to change subscriber name
1183	Invalid speed value specified
1184	At first message, cannot rewind
1185	Invalid device state transition
1186	Dialed through an announcement
1187	Local subscriber name specified
1188	Master and slave file systems cannot be on same disk
1189	Invalid switch - check system
1190	System error
1191	Value exceeds system limits
1192	System error on system
1193	covering extension not verified
1194	Total size of mailbox out of range
1195	Table not open
1196	Test failed
1197	Timeout occurred
1198	Timer error
1199	Length or value too big

Table A-1. Migration Error Codes — Continued

Code	Description
1200	Argument is too long
1201	Too many message waiting ports specified
1202	No room for another table
1203	Two hold delivery requests for same session
1204	Unequipped position
1205	Unknown logical board number
1206	Unknown logical board type
1207	Unoccupied entry in btree table
1208	Filesystem in use
1209	User ID invalid
1210	Voice activity halted by Voice Buffer
1211	Incompatible version
1212	Invalid volume name
1213	Unmatched volume label
1214	Datalink write operation failure
1215	Automated attendant group assigned, but no automated attendant extension
1216	Port not available for use
1217	CDR Confirmation
1218	CDR Exists
1219	Cannot decrease records
1220	Cannot change adjunct mactype
1221	Not a subscriber
1222	No reusable subscriber ID
1223	Name already in use
1224	Not owner of resource
1225	Tone interrupt (VB driver)
1226	Halt interrupt (VB driver)
1227	Pause interrupt (VB driver)
1228	Audit found uncorrected problem
1229	No voice connection exists

Table A-1. Migration Error Codes — *Continued*

Code	Description
1230	Operation failed
1231	Remote subscriber - limit
1232	Remote subscriber - no subscriber ID

Migrating Multiple Systems

B

Overview

In most cases, a customer can migrate data from one or more of the following voice messaging systems to the INTUITY system:

- AUDIX R1
- DEFINITY AUDIX
- AUDIX Voice Power
- MERLIN LEGEND AUDIX Voice Power (IS II or IS III) systems)

Migrated System Data

Table B-1 lists the type of data migrated from a system to the INTUITY system.

Table B-1. Migrated Data

System	Migrated Data
AUDIX R1	Local and remote subscriber data, and voice data
DEFINITY AUDIX	Subscriber data, voice data, and most system data
AUDIX Voice Power	Subscriber data
MERLIN LEGEND AUDIX Voice Power (IS II or IS III)	Subscriber data

 **CAUTION:**

Migrating DEFINITY AUDIX data will overwrite any existing data on the INTUITY system, including any data previously migrated.

Use the following guidelines to help you migrate data from more than one system to the INTUITY system:

- Migrate data from:
 - Multiple AUDIX R1 systems to an INTUITY system
 - Multiple AUDIX Voice Power systems to an INTUITY system.
 - Combinations of AUDIX R1, AUDIX Voice Power, and DEFINITY AUDIX systems.

 **NOTE:**

You must migrate data from a DEFINITY AUDIX system *before* you migrate data from an AUDIX R1 or AUDIX Voice Power system. A customer *cannot* migrate more than one DEFINITY AUDIX or AUDIX R1 system to a single INTUITY system.

- Perform each migration as if it were a single migration. Complete one migration before you start the next migration. However, the switch-related tasks only completed once.
- Preadminister the INTUITY system's address range on the Machine Profile screen to incorporate address ranges for all systems from which you are migrating.
- Administer the extension length on each machine you are migrating so that it is identical to that of every other machine being migrated.

- Preadminister the names and address ranges of networked machines on the INTUITY system using the same sequence administered on the first system you migrate. This will ensure that the voice IDs of the machines remain the same.

⇒ NOTE:

If you are migrating systems that were formerly networked, you should still add their names in the INTUITY system's list of networked machines. The INTUITY system deletes them at the next audit when it finds that an actual machine no longer exists.

- Verify that administrators at remote machines will add the name of the INTUITY system to the network and delete the names of systems that have migrated to the INTUITY system. Verify that they will run a `get remote update` on the INTUITY machine to capture the subscribers migrated to the INTUITY system.
- Remind the customer that subscribers you are migrating may have names or extensions that are identical to those of subscribers already migrated. When this happens, the subscribers are not added to the database and are flagged in the logfile.

Abbreviations

A

AC

alternating current

ACD

automatic call distribution

ADAP

administration and data acquisition package

ADU

asynchronous data unit

ALT

assembly load and test

AMIS

Audio Messaging Interchange Specification

API

application programming interface

AUDIX

Audio Information Exchange

AWG

American wire gauge

B

BIOS

basic input/output system

bit

binary digit

bps

bits per second

BRI

basic rate interface

BSC

binary synchronous communications

BTU

British thermal unit

C

CAS

call accounting system

CCA

call classification analysis

CDH

call data handler process

CELP

code excited linear prediction

CICS

customer information control system

CMS

call management system

CO

central office

COIN

central office implemented network

COM1

serial communications port 1

COM2

serial communications port 2

COR

class of restriction

COS

class of service

CPU

central processing unit

CSI

called subscriber information

CTS

clear to send

D

DAC

dial access code

DBP

database processor

Abbreviations

DC
direct current

DCE
data communications equipment

DCIU
data communications interface unit

DCP
digital communications protocol

DCS
distributed communications system

DID
direct inward dialing

DIP
data interface process

DMA
direct memory access

DNIS
dialed number identification service

DSP
digital signal processor

DSR
data set ready

DSU
data service unit

DTE
data terminal equipment

DTMF
dual tone multifrequency

DTR
data terminal ready

E

EIA
Electronic Industries Association

ESD
electrostatic discharge

ESS
electronic switching system

F

F key
function key

FIFO
first-in first-out

FOOS
facility out of service

G

GBCS
Global Business Communications Systems

GOS
grade of service

H

Hz
hertz

I

I/O
input/output

IDI
isolating data interface

IMAPI
Intuity messaging application programming interface

INADS
initialization and administration system

IRQ
interrupt request

ISDN
integrated services digital network

IVC6
integrated voice CELP card (6 channels)

Abbreviations

IVR

integrated voice response

K

Kbps

kilobits per second

Kbyte

kilobyte (1024 bytes)

kHz

kilohertz

L

LAN

local area network

LCD

liquid crystal display

LED

light-emitting diode

LIFO

last-in first-out

LWC

leave word calling

M

MANOOS

manually out of service

Mbyte

megabyte (one million bytes)

MHz

megahertz

modem

modulator/demodulator

MPDM

modular processor data module

ms

millisecond

MT

maintenance (Intuity software component)

MTBF

mean time between failures

MWI

message-waiting indicator

MWL

message-waiting lamp

N

NW

Intuity AUDIX Digital Networking

O

OA&M

operations, administration, and maintenance

OS

operating system

OSI

open systems interconnection

P

PBX

private branch exchange

PC

power converter or personal computer

PDM

processor data module

PEC

price element code

PIB

processor interface board

PMS

property management system

POST

power-on self test

Abbreviations

R

RAM
random-access memory

REN
ringer equivalence number

ROM
read-only memory

RTS
request to send

RTU
right to use

S

SCA
switch communications adapter

SCSI
small computer systems interface

SID
switch integration device

SIMM
single in-line memory module

SMSI
simplified message service interface

SW
switch integration (Intuity software component)

T

TCP/IP
Transmission Control Protocol/Internet Program

TDD
telecommunications device for the deaf

TDM
time division multiplex

T/R
tip/ring

TRIP
tip/ring input process

TSC
AT&T's Technical Services Center

U

UCD
uniform call distribution

UPS
uninterruptible power supply

V

VM
Intuity AUDIX Voice Messaging

VP
voice platform (Intuity software component)

VRDP
voice response output process

Glossary

5ESS Switch

An AT&T central office switch that can be integrated with the AT&T Intuity system.

A

accessed message

A message that was received and scanned (either the entire message or just the header).

ACD

See *automatic call distribution*.

activity menu

The list of options spoken to subscribers when they first access a messaging system. Selecting an activity is the starting point for all user operations.

ADAP

See *administration and data acquisition package*.

address

Intuity AUDIX subscriber identification, containing the subscriber's extension and machine, that indicates where the system needs to deliver a message. An address may include several subscribers or mailing lists. Name or number addressing can be selected with the *A command.

adjunct

A separate system closely integrated with a switch, such as an AT&T Intuity system or a call management system (CMS).

administration

The process of setting up a system (such as a switch or a messaging system) to function as desired. Options and defaults are normally set up (translated) by the system administrator or service personnel.

administration and data acquisition package (ADAP)

A software package that allows the system administrator to transfer system subscriber, maintenance, or traffic data from an Intuity AUDIX system to a personal computer (PC).

ADU

See *asynchronous data unit*.

alarm log

A list of alarms that represent all of the active or resolved problems on an AT&T Intuity system. The alarm log is stored in a software file on disk and can be accessed either locally or remotely on a terminal connected to the system.

alarms

Hardware, software, or environmental problems that may affect system operation. Alarms are classified as major, minor, or warning.

alphanumeric

Alphabetic, numeric, or punctuation symbols.

ALT

See *assemble load and test*.

AMIS

See *Audio Messaging Interchange Specification*.

AMIS Prefix

A number added to the destination number to indicate that the destination number is an AMIS analog networking number.

ampere (amp)

The unit of measurement of electric current. One volt of potential across one ohm causes a current flow of one amp.

analog networking

A method of transferring a message from one messaging system to another whereby the message is played back (voiced) during the transmission from one system to another.

analog signal

A communications path that, in teleprocessing usage, usually refers to a voice-grade telephone line.

announcement fragment

A numbered piece of spoken information that makes up a system message or prompt.

antistatic

A material that is treated to prevent the build-up of static electricity.

API

See *application programming interface*.

application programming interface

A set of formalized software calls and routines that can be referenced by an application program to access underlying network services.

assemble load and test

The factory process that preloads software, installs hardware, and tests the system prior to shipping.

asynchronous communication

A method of data transmission in which bits or characters are sent at irregular intervals and bits or characters are spaced by start and stop bits and not by time. See also *synchronous communication*.

asynchronous data unit (ADU)

An electronic communications device that can extend data transmission over asynchronous lines more than 50 feet in length. Recommended ADUs include Z3A1 or Z3A4.

asynchronous transmission

A form of serial communications where each transmitted character is bracketed with a start bit and one or two stop bits. The AT&T Intuity system provides asynchronous RS-232 capabilities for Intuity AUDIX Digital Networking, if required.

attendant console

A special purpose phone with numerous lines and features located at the front desk. The front desk attendant uses the phone to answer and transfer calls.

Audio Messaging Interchange Specification (AMIS)

An analog networking protocol that allows subscribers to exchange messages with any messaging system that also has AMIS Analog Networking capabilities. Messages can be exchanged with subscribers on AT&T Intuity systems as well as with users on remote messaging systems made by vendors other than AT&T.

Audio Information Exchange (AUDIX)

A complete messaging system accessed and operated by touch-tone telephones and integrated with a switch.

audit

A software program that resolves filesystem incompatibilities and updates restored filesystems to a workable level of service. Audits are done automatically on a periodic basis, or can be performed on demand.

AUDIX

See *Audio Information Exchange*.

autodelete

An Intuity AUDIX feature that allows subscribers to indicate that faxes are automatically deleted from their mailbox after being printed.

automated attendant

A feature that allows a user of an Intuity system to set up a main extension number with a menu of options that routes callers to an appropriate department at the touch of a button.

automatic call distribution (ACD)

The System 85, Generic 2, or Generic 3 call-distribution group of analog ports that connects Intuity subscribers and users to the system. See also *call-distribution group*.

automatic message scan

An Intuity AUDIX feature that allows subscribers to scan all message headers and messages at the touch of two buttons. With Intuity FAX Messaging, this feature allows all new faxes to be bundled and transmitted over a single fax call delivery call. Also called *autoscan*.

autoprint

An Intuity AUDIX feature that allows subscribers to indicate that faxes are automatically sent to a specified print destination.

autoscan

See *automatic message scan*.

AWG

See *American wire gauge*.

American wire gauge

A standard measuring gauge for non-ferrous conductors.

B

background testing

Testing that runs continuously when the system is not busy doing other tasks.

backup

A duplicate copy of files and directories saved on a removable media such as floppy diskette or tape. The backup filesystem may be copied back (restored) if the active version is damaged (corrupted) or lost.

basic input/output system (BIOS)

A system that contains the buffers for sending information from a program to the actual hardware device the information should go to.

baud

A unit of measurement that describes the speed of transferred information.

baud rate

Transmission signaling speed.

basic call transfer

A switch hook-flash method used to send the Intuity AUDIX transfer command over analog voice ports.

basic rate access

See *basic rate interface*.

basic rate interface (BRI)

International standard protocol for connecting a station terminal to an integrated systems digital network (ISDN) switch. ISDN BRI supports two 64 Kbps information bearer channels (B1 and B2), and one 16 Kbps call status and control (D) channel (a 2B + D format). Also called *basic rate access*.

binary digit (bit)

Two-number notation that uses the digits 0 and 1. Low-order bits are on the right (for example, 0001=1, 0010=2, and so forth). Four bits make a nybble; eight bits make a byte.

binary synchronous communications (BSC)

A character-oriented synchronous link protocol.

BIOS

See *basic input/output system*.

bit

See *binary digit*.

body

The part of subscriber voice mail that contains the actual spoken message. For a leave word calling (LWC) message, it is a standard system announcement.

boot

The operation to start a computer system by loading programs from disk to main memory (part of system initialization). Booting is typically accomplished by physically turning on or restarting the system. Also called *reboot*.

boot filesystem

The filesystem from which the system loads its initial programs.

bps (bits per second)

The number of binary units of information (1s or 0s) that can be transmitted per second. Mbps refers to a million bits per second; Kbps refers to a thousand bits per second.

BRI

See *basic rate interface*.

broadcast messaging

An Intuity AUDIX feature that enables the system administrator and other designated users to send a message to all subscribers automatically.

BSC

See *binary synchronous communications*.

buffer

Memory used to compensate for time differences in transmission by temporarily storing data.

bulletin board

An Intuity AUDIX feature that allows a message to be played to callers who dial the extension. Callers cannot leave a message since it is a listen-only service. Also called *information service*.

bundling

Combining several calls and handling them as a single call. See also *automatic message scan*.

bus

An electrical connection/cable allowing two or more wires, lines, or peripherals to be connected together.

busy-out/release

To remove an Intuity device from service (make it appear busy or in use), and later restore it to service (release it). The Intuity switch data link, voice ports, or networking ports may be busied out if they appear faulty or if maintenance tests are run.

byte

A unit of storage in the computer. On many systems, a byte is eight bits (binary digits), the equivalent of one character of text.

C

call accounting system (CAS)

A software device that monitors and records information about a calling system.

call-answer

An Intuity AUDIX or AT&T Intuity Lodging feature that allows the system to answer a call and record a message when the subscriber is unavailable. Callers may be redirected to the system through the call coverage or call forwarding switch features. Intuity AUDIX subscribers may record a personal greeting for these callers.

call-answer language choice

The capability of subscriber mailboxes to accept messages in different languages. For the Intuity AUDIX application, this capability exists when the multilingual feature is turned on.

callback number

In AMIS analog networking, the telephone number transmitted to the recipient machine to be used in returning messages that cannot be delivered.

call coverage

A switch feature that defines a preselected path for calls to follow if the first (or second) coverage points are not answered. The Intuity system may be placed at the end of a coverage path to handle redirected calls through call coverage, send all calls, go to cover, etc.

call delivery

See *message delivery*.

call-distribution group

The set of analog port cards on the switch that connects subscribers and users to the Intuity system by distributing new calls to idle ports. This group (or split) is called automatic call distribution (ACD) on System 85, Generic 2, and Generic 3 and uniform call distribution (UCD) on System 75, Generic 1, and Generic 3. See also *automatic call distribution* and *uniform call distribution*.

call management system (CMS)

An inbound call distribution and management reporting package.

called tone (CED tone)

The distinctive tone generated by a fax endpoint when it answers a call (constant 2100 Hz tone).

called subscriber information (CSI)

The identifier for the answering fax endpoint. This identifier is sent in the T.30 protocol and is generally the telephone number of the fax endpoint.

calling tone (CNG tone)

The distinctive tone generated by a fax endpoint when placing a call (constant 1100 Hz tone on for one-half second, off for three seconds).

call vectoring

A System 85 R2V4, Generic 2, and Generic 3 feature that uses a vector (switch program), allowing a switch administrator to customize the behavior of calls sent to an automatic call distribution (ACD) group.

card cage

An area within the Intuity hardware platform that contains and secures all of the standard and optional circuit cards used in the system.

cartridge tape drive

A high-capacity data storage/retrieval device that can be used to transfer large amounts of information onto high-density magnetic cartridge tape based on a predetermined format. This tape is to be removed from the system and stored as a backup.

CAS

See *call accounting system*.

CED tone

See *called tone*.

CELP

See *code excited linear prediction*.

central office (CO)

An office or location in which large telecommunication machines such as telephone switches and network access facilities are maintained. In a CO, private customer lines are terminated and connected to the public network through common carriers.

central processing unit (CPU)

The component of the computer that manipulates data and processes instructions coming from software.

channel

A telecommunications transmission path for voice and/or data.

channel capacity

A measure of the maximum bit rate through a channel.

CICS

See *customer information control system*.

class of service (COS)

The standard set of Intuity AUDIX features given to subscribers when they are first administered (set up with a voice mailbox).

clear to send (CTS)

Located on Pin 5 of the 25-conductor RS-232 interface, CTS is used in the transfer of data between the computer and a serial device.

client

A computer that sends, receives and uses data, but that also shares a larger resource whose function is to do most data storage and processing. For Intuity Message Manager, the subscriber's PC running Message Manager is the client. See also *server*.

CMS

See *call management system*.

CNG tone

See *calling tone*.

CO

See *central office*.

COS

See *class of service*.

code excited linear prediction

An analog-to-digital voice coding scheme.

collocated

An Intuity system installed in the same physical location as the host switch. See also *local installation*.

collocated adjunct

Two or more adjuncts that are serving the same switch (i.e., each has voice port connections to the switch) or that are serving different switches but can be networked through a direct RS-232 connection due to their proximity.

comcode

AT&T's numbering system for telecommunications equipment. Each comcode is a nine digit number that represents a specific piece of hardware, software, or documentation.

command

An instruction or request given by the user to the software to perform a particular function. An entire command consists of the command name and options. Also, one- or two-key touch tones that control a mailbox activity or function.

compound message

A message that combines both a message and a fax message into one unit, which is then handled by Intuity AUDIX as a single message.

configuration

The particular combination of hardware and software components selected for a system, including external connections, internal options, and peripheral equipment.

controller circuit card

A circuit card used on a computer system that controls its basic functionality and makes the system operational. These cards are used to control magnetic peripherals, video monitors, and basic system communications.

COS

See *class of service*.

coverage path

The sequence of alternate destinations to which a call is automatically sent when the call is not answered by a subscriber. This sequence is set up on the switch, normally with the AT&T Intuity system as the last or only destination.

CPU

See *central processing unit*.

cross connect

Distribution system equipment used to terminate and administer communication circuits.

cross connection

The connection of one wire to another, usually by anchoring each wire to a connecting block and then placing a third wire between them so that an electrical connection is made.

CSI

See *called subscriber information*.

CTS

See *clear to send*.

D

DAC

See *dial access code*.

database

A structured set of files, records, or tables. Also, a collection of filesystems and files in disk memory that store the voice and nonvoice (program data) necessary for AT&T Intuity system operation.

data communications equipment (DCE)

Standard type of data interface normally used to connect to data terminal equipment (DTE) devices. DCE devices include the data service unit (DSU), the isolating data interface (IDI), and the modular processor data module (MPDM).

data communications interface unit (DCIU)

A switch device that allows nonvoice (data) communication between an AT&T Intuity system and an AT&T switch. The DCIU is a high-speed synchronous data link that communicates with the

common control switch processor over a direct memory access (DMA) channel that reads data directly from FP memory.

data link

A term used to describe the communications link used for data transmission from a source to a destination. For example, a phone line for data transmission.

data service unit (DSU)

A device used to access digital data channels. DATAPHONE II 2500 DSUs are synchronous data communications equipment (DCE) devices used for extended-local AT&T Intuity system connections. The 2600 or 2700 series may also be used; these are more expensive DSU options and support diagnostic testing and the DATAPHONE II Service network system.

data set

AT&T term for a modem. A data set usually includes the telephone. See also *modem*.

data terminal equipment (DTE)

Standard type of data interface normally used for the endpoints in a connection. Normally the AT&T Intuity system, most terminals, and the switch data link are DTE devices.

data terminal ready (DTR)

A control signal sent from the data terminal equipment (DTE) to the data communications equipment (DCE) that indicates the DTE is on and ready to communicate.

DBP

See *data base processor*.

DCE

See *data communications equipment*.

DCIU

See *data communications interface unit*.

DCP

See *digital communications protocol*.

DCS

See *distributed communications system*.

debug

See *troubleshoot*.

dedicated line

A communications path that does not go through a switch. A dedicated (hard-wired) path may be formed with directly connected cables. MPDMs, DSUs, or other devices may also be used to extend the distance that signals can travel directly through the building wiring.

default

A value that is automatically supplied by the system if no other value is specified.

default print number

The subscriber-administered extension to which autprinted faxes are redirected upon their receipt into the subscriber's mailbox. This default print destination is also provided as a print option when the subscriber is manually retrieving and printing faxes from the mailbox.

delivered message

A message that has been successfully transmitted to a recipient's incoming mailbox.

demand testing

Testing performed on request (usually by service personnel).

diagnostic testing

A program run for testing and determining faults in the system.

dial-ahead/dial-through

The act of interrupting or preceding Intuity AUDIX system announcements by typing (buffering) touch-tone commands in the order the system would normally prompt for them.

dialed number identification service (*DNIS_SVC)

An available channel service assignment on the AT&T Intuity system. Assigning this service to a channel permits the AT&T Intuity system to interpret information from the switch and operate the appropriate application for the incoming telephone call.

DID

See *direct inward dialing*.

digital

Discrete data or signals such as 0 and 1, as opposed to analog continuous signals.

digital communications protocol (DCP)

A 64 Kbps digital data transmission code with a 160 Kbps bipolar bit stream divided into two information (I) channels and one signaling (S) channel.

digital networking

A method of transferring messages between messaging systems in a digital format. See also *Intuity AUDIX Digital Networking*.

digital signal processor

A specialized digital microprocessor that performs calculations on digitized signals that were originally analog and then sends the results on.

DIP

See *data interface process*.

DIP switch

See *dual in-line package switch*.

direct inward dialing

The ability for a caller outside a company to call an internal extension without having to pass through an operator or attendant.

direct memory access (DMA)

A quick method of moving data from a storage device directly to RAM, which speeds processing.

directory

An Intuity AUDIX feature allowing you to hear a subscriber's name and extension after typing **N at the activity menu. Also, a group of related files accessed by a common name in software.

display terminal

A data terminal with a screen and keyboard used for displaying AT&T Intuity screens and performing maintenance or administration activities.

distributed communications system (DCS)

A network of two or more switches that uses logical and physical data links to provide full or partial feature transparency. Voice links are made using tie trunks.

distribution list

See *mailing list*.

DMA

See *direct memory access*.

DNIS

See *dialed number identification service*.

DSP

See *digital signal processor*.

DSU

See *data service unit*.

DTE

See *data terminal equipment*.

DTMF

See *dual tone multifrequency*.

dual in-line package (DIP) switch

A very small switch, usually attached to a printed circuit card, in which there are only two settings: on or off (or 0 or 1). DIP switches are used to configure the card in a semipermanent way.

dual language greetings

The capability of Intuity AUDIX subscribers to create personal greetings in two different languages — one in a primary language and one in a secondary language. This capability exists when the multilingual feature is turned on and the prompts for subscriber mailboxes can be in either of the two languages.

dual tone multifrequency

A way of signaling consisting of a pushbutton or touch tone dial that sends out a sound which consists of two discrete tones picked up and interpreted by telephone switches.

E

electrostatic discharge (ESD)

Discharge of a static charge on a surface or body through a conductive path to ground. An ESD can be damaging to integrated circuits.

enabled/disabled

The state of a hardware device that indicates whether the AT&T Intuity system can use it. Devices must be equipped before they can be enabled (made active). See also *equipped/unequipped*.

endpoint

See *fax endpoint*.

enhanced call transfer

An Intuity AUDIX feature that allows compatible switches to transmit messages digitally over the BX.25 (data) link. This feature is used for quick call transfers and requires a fully integrated digital switch. Callers can only transfer to other extensions in the switch dial plan.

enhanced serial data interface

A software- and hardware-controlled method used to store data on magnetic peripherals.

equipped/unequipped

The state of a networking channel that indicates whether AT&T Intuity software has recognized it. Devices must be equipped before they can be enabled (made active). See also *enabled/disabled*.

error message

A message on the screen indicating that something is wrong and possibly suggesting how to correct it.

errors

Problems detected by the system during operation and recorded in the maintenance log. Errors can produce an alarm if they exceed a threshold.

escape from reply

The ability to quickly return to getting messages for a subscriber who gets stuck trying to respond to a message. To escape, the subscriber simply presses #.

escape to attendant

An Intuity AUDIX feature that allows a subscriber with the call answer feature to have a personal attendant or operator administered to potentially pick up an unanswered call. A system-wide extension could also be used to send callers to a live agent.

ESD

See *electrostatic discharge*.

events

Informational messages about the system's activities. For example, an event is logged when the system is rebooted. Events may or may not be related to errors and alarms.

F

facility out-of-service

The current channel is not receiving a dial tone and is not functioning.

fax endpoint

Any device capable of receiving fax calls. Fax endpoints include fax machines, individual PC fax modems, fax ports on LAN fax servers, and ports on fax-enabled messaging systems.

field

An area on a screen, menu, or report where information can be typed or displayed.

FIFO

See *first-in/first-out*.

file

A collection of data treated as a basic unit of storage.

filename

Alphanumeric characters used to identify a particular file.

file redundancy

See *mirroring*.

file system

A collection of related files (programs or data) stored on disk that are required to initialize an AT&T Intuity system.

first-in/first-out

The first call (or data) to be received is the first call (or data) to be processed.

F key

See *function key*.

FOOS

See *facility out-of-service*.

format

To set up a disk, floppy diskette, or tape with a predetermined arrangement of characters so that the system can interpret meaningful information.

function

Individual steps or procedures within a mailbox activity.

function key (F key)

A key on a computer keyboard that performs a defined function when pressed. The user interface for the AT&T Intuity system defines keys F1 through F8.

G

Generic 1, 2, or 3

AT&T switch system software releases. Generic 1, Generic 3i, and Generic 3s correspond to the new generation of System 75-based software. Generic 2 and Generic 3r correspond to the new release of System 85-based software.

generic tape

A copy of the standard software and stand-alone tape utilities that is shipped with a new AT&T Intuity system.

GOS

See *grade of service*.

grade of service (GOS)

A parameter that describes the delays in accessing a port on the AT&T Intuity system. For example, if the GOS is P05, 95% of the callers would hear the system answer and 5% would hear ringing until a port became available to answer the call.

guaranteed fax

A feature of AT&T Intuity FAX Messaging that temporarily stores faxes sent to a fax machine. In cases where the fax machine is busy or does not answer a call, the call is sent to an Intuity AUDIX mailbox.

guest password

A feature that allows users who are not Intuity AUDIX subscribers to leave messages on the system by dialing a subscriber's extension and entering a system-wide guest password.

H

hard disk drive

A high-capacity data storage/retrieval device that is located inside a computer platform. A hard disk drive stores data on non-removable high-density magnetic media based on a predetermined format for retrieval by the system at a later date.

hardware

The physical components of a computer system. The central processing unit, disks, tape and floppy drives are all hardware.

header

Information that the system creates to identify a message. A message header includes the originator or recipient, type of message, creation time, and delivery time.

help

A command run by pressing (HELP) or (CTRL) (?) on an AT&T Intuity display terminal to show the options available at your current screen position. In the Intuity AUDIX system, press (*) (H) on the telephone keypad to get a list of options. See also *on-line help*.

hertz (Hz)

A measurement of frequency in cycles per second. A hertz is one cycle per second.

host switch

The switch directly connected to the AT&T Intuity system over the data link. Also, the physical link connecting an AT&T Intuity system to a distributed communications system (DCS) network.

hunt group

A group of analog ports on a switch usually administered to search for available ports in a circular pattern.

Hz

See *hertz*.

I

I/O

Input/output.

IDI

See *isolating data interface*.

IMAPI

See *Intuity messaging application programming interface*.

INADS

See *initialization and administration system*.

information service

See *bulletin board*.

initialization

The process of bringing a system to a predetermined operational state. The start-up procedure tests hardware; loads the boot filesystem programs; locates, mounts, and opens other required filesystems; and starts normal service.

initialization and administration system (INADS)

A computer-aided maintenance system used by remote technicians to track alarms.

initialize

To start up the system for the first time.

input

A signal fed into a circuit or channel.

integrated services digital network (ISDN)

A network that provides end-to-end digital connectivity to support a wide range of voice and data services.

integrated voice processing CELP (IVC6) card

A computer circuit card that supports both fax processing and voice processing capabilities. It provides two analog ports to support six analog channels. All telephone calls to and from the AT&T Intuity system are processed through the IVC6 card.

integrated voice response

An application module that allows customers to write their own alternate applications, also known as a script builder.

interface

The device or software that forms the boundary between two devices or parts of a system, allowing them to work together. See also *subscriber interface*.

interrupt request (IRQ)

A device that signals the data bus and the CPU that it needs attention.

Intuity AUDIX Digital Networking

An AT&T Intuity feature that allows customers to link together up to 500 remote AT&T Intuity machines for a total of up to 500,000 remote subscribers. See also *digital networking*.

Intuity Message Manager

A Windows-based software product that allows Intuity AUDIX subscribers to receive, store, and send their voice/FAX messages from a PC.

Intuity messaging application programming interface (IMAPI)

A software function-call interface that allows Intuity AUDIX to interact with AT&T Intuity Message Manager.

I/O address

input/output address.

IRQ

See *interrupt request*.

ISDN

See *integrated services digital network*.

isolating data interface (IDI)

A synchronous, full duplex data device used for cable connections between an AT&T Intuity GPSC-AT/E card and the switch data communications interface unit (DCIU).

IVC6

See *integrated voice processing CELP (IVC6) card*.

IVR

See *integrated voice response*.

J

jumper

Pairs or sets of small prongs on circuit cards and mother boards that allow the user to instruct the computer to select one of its available operation options. When two pins are covered, an electrical circuit is completed.

K

Kbps

kilobits per second; one thousand bits per second.

Kbyte

kilobyte per second; 1024 thousand bytes per second.

L

label

The name assigned to a disk device (either a removable tape cartridge or permanent drive) through software. Cartridge labels may have a generic name (such as 3:3) to show the software release or a descriptive name if for backup copies (such as back01). Disk drive labels usually indicate the disk position (such as disk00 or disk02).

LAN

See *local area network*.

last-in/first-out

The last call (or data) to be received is the first call (or data) to be processed.

LCD

See *liquid crystal display*.

leave word calling (LWC)

A switch feature that allows the calling party to leave a standard (nonvoice) message for the called party using a feature button or dial access code.

LED

See *light emitting diode*.

LIFO

See *last-in/first-out*.

light emitting diode (LED)

A light indicator on the hardware platform that shows the status of operations.

liquid crystal display (LCD)

The 10-character alphanumeric display that shows status of the system, including alarms.

load

To read software from external storage (such as disk) and place a copy in system memory.

local area network (LAN)

A network of PCs that communicate with each other and that normally share the resources of one or more servers. Operation of AT&T Intuity Message Manager requires that the Intuity AUDIX system and the subscribers' PCs are on a LAN.

local AUDIX machine

The AT&T Intuity system where a subscriber's Intuity AUDIX mailbox is located. All subscribers on this home machine are called *local subscribers*.

local installation

A switch, adjunct, or peripheral equipment installed physically near the host switch or system. See also *collocated*.

local network

An Intuity AUDIX Digital Network in which all AT&T Intuity systems are connected to the same switch.

login

A unique code used to gain approved access to the AT&T Intuity system. See also *password*.

login announcement

A feature enabling the system administrator and other designated users to create a mail message that is automatically played to all Intuity AUDIX subscribers every time they login to the system.

LWC

See *leave word calling*.

M

magnetic peripherals

Data storage devices that use magnetic media to store information. Such devices include hard disk drives, floppy disk drives, and cartridge tape drives.

mailbox

A portion of disk memory given to each subscriber for creating and storing outgoing and incoming messages.

mailing list

A group of subscriber addresses assigned a list ID# and public or private status. A mailing list may be used to simplify sending messages to several subscribers.

maintenance

The process of identifying system errors and correcting them, or taking steps to prevent problems from occurring.

major alarm

An alarm detected by AT&T Intuity software that affects at least one fourth of the AT&T Intuity ports in service. Often a major alarm indicates that service is affected.

MANOOS

See *manually out-of-service*.

manually out-of-service

A unit has been intentionally taken out of service.

mean time between failures

The average time a manufacturer estimates before a failure occurs in a component or system.

megabyte

A unit of memory equal to 1,048,576 bytes (1024 x 1024). It is often rounded to one million.

memory

A device which can store logic states such that data can be accessed and retrieved. Memory may be temporary (such as system RAM) or permanent (such as disk).

menu tree

The way in which nested automated attendants are set up.

message categories

Groups of messages in Intuity AUDIX subscribers' mailboxes. Categories include new, unopened, and old for the incoming mailbox and delivered, accessed, undelivered, undeliverable (not deliverable), and file cabinet for the outgoing mailbox.

message delivery

An optional AT&T Intuity feature that permits subscribers to send messages to any touch-tone telephone, as long as the telephone number is in the range of allowable numbers. This feature is an extension of the AMIS analog networking feature and is automatically available when the AMIS feature is activated.

Message Manager

See *Intuity Message Manager*.

message-waiting indicator (MWI)

An indicator that alerts subscribers that they have received new mail messages. An MWI can be LED, neon, or audio (stutter dial tone).

message waiting lamp (MWL)

An lamp that alerts subscribers that they have received new mail messages. An MWL can be LED, neon, or audio (stutter dial tone). Also known as a message-waiting indicator.

migration

An installation that moves data from another messaging system to the AT&T Intuity system.

minor alarm

An alarm detected by maintenance software that affects less than one fourth of the AT&T Intuity ports in service, but has exceeded error thresholds or may impact service.

mirroring

An AT&T Intuity system feature that allows data from crucial filesystems to be continuously copied to backup (mirror) filesystems while the system is running. If the system has some problem where an original filesystem cannot be used, the backup filesystem is placed in service automatically.

mode code

A string of touch-tones from a MERLIN LEGEND switch. A mode code may send the AT&T Intuity AUDIX system information such as call type, calling party, called party, and on/off signals for message waiting lamps.

modem

A device that converts data from a form that is compatible with data processing equipment (digital) to a form compatible with transmission facilities (analog), and vice-versa.

modular

A term that describes equipment made of plug-in units that can be added together to make the system larger, improve its capabilities, or expand its size.

modular processor data module (MPDM)

A data device that converts RS-232C or RS-449 protocol signals to digital communications protocol (DCP) used by System 75/85, Generic1, and Generic 3 switches. MPDMs may connect AT&T Intuity to a switch DCIU or SCI link or connect terminals to a switch port card.

MPDM

See modular processor data module.

MTBF

See mean time between failures.

multi-application platform (MAP)

The computer hardware platform used by the AT&T Intuity system. Currently, a MAP/5, MAP/40, and MAP/100 are available.

multilingual feature

A feature that allows simultaneously-active language announcement sets on the system. With this feature, mailboxes can be administered so that subscribers can hear prompts in the language of their choice.

MWI

See message-waiting indicator.

MWL

See message waiting lamp.

N

networking

See Intuity AUDIX Digital Networking.

networking prefix

A set of digits that identifies an AT&T Intuity machine.

night attendant

The automated attendant created on a MERLIN LEGEND switch that automatically becomes active during off-hours. The night attendant substitutes for one or more daytime attendants.

not deliverable message

A message that could not be delivered after a specified number of attempts. This usually means that the subscriber's mailbox is full.

O

on-line help

An AT&T Intuity feature that provides information about AT&T Intuity user interface screens by pressing a predetermined key. *See also help.*

open systems interconnection (OSI)

Internationally accepted framework of standards for communication between two systems made by different vendors.

operating system (OS)

The set of programs that runs the hardware and interprets software commands.

option

A choice selected from a menu, or an argument used in a command line to modify program output by modifying the execution of a command. When you do not specify any options, the command will execute according to its default options.

OS

See *operating system*.

OSI

See *open systems interconnection*.

outcalling

An AT&T Intuity feature that allows the system to dial subscribers' numbers to inform them they have new messages.

outgoing mailbox

A storage area for subscribers to keep copies of messages for future reference or action.

P

parallel transmission

The transmission of several bits of data at the same time over different wires. Parallel transmission of data is usually faster than serial transmission.

password

A code assigned to every AT&T Intuity terminal user and Intuity AUDIX subscriber for security reasons. After dialing the system, subscribers must dial their personal password correctly to log on. Passwords are also assigned to local and remote networked machines to identify the machines or the network. See also *login*.

password aging

An Intuity AUDIX feature that allows administrators to set a length of time after which a subscriber's password expires. The subscriber is then forced to change the password.

PBX

See *private branch exchange*.

PC

See *power converter*.

PDM (processor data module)

See *modular processor data module (MPDM)*.

PEC

See *price element code*.

peripheral device

Equipment external to the AT&T Intuity cabinet, such as printers or terminals, necessary for full operation and maintenance of the AT&T Intuity system. Also called *peripherals*.

personal directory

An Intuity AUDIX feature allowing each subscriber to create a private list of customized names.

personal fax extension

See *secondary extension*.

pinouts

The signal description per pin number for a particular connector.

PMS

See *property management system*.

port

A connection or link between two devices, allowing information to travel to a desired location. For example, a switch port connects to an AT&T Intuity voice port to allow a subscriber to leave a message.

POST

See *power-on self test*.

priority call answer

An Intuity AUDIX feature that allows callers to designate a call answer message as a priority message. To make a message priority, the caller presses 2 after recording the message.

priority messaging

An Intuity AUDIX feature that allows some subscribers to send messages that are specially marked and preferentially presented to recipients. See also *priority outcalling*.

priority outcalling

Works with the priority messaging feature by allowing the message recipient to elect to be notified by outcalling only when a priority message has been received. See also *priority messaging*.

private branch exchange (PBX)

An analog, digital, or electronic system where data and voice transmissions are not confined to fixed communications paths, but are routed among available ports or channels. See also *switch*.

private mailing list

A list of addresses that only the owning subscriber can access.

private messaging

A feature of Intuity AUDIX that allows a subscriber to send a message that cannot be forwarded by the recipient.

processor data module (PDM)

See *modular processor data module (MPDM)*.

processor interface (PI)

A System 75, Generic 1, Generic 3i, Generic 3s, and Generic 3vs switch data link. Also called *processor interface board (PIB)*.

programmed function key

See *function key*.

property management system

Term used in hospitality industry referring to the database used by hotels for guest records and billing information.

protocol

A set of conventions or rules governing the format and timing of message exchanges (signals) to control data movement and the detection and possible correction of errors.

public mailing list

A list of addresses that any Intuity AUDIX subscriber can use if that subscriber knows the owner's list ID# and extension number. Only the owner can modify a public mailing list.

pulse-to-touchtone converter

A device connected to the switch that converts signals from a rotary phone to touch tones. This device allows callers to use rotary phones to access options in a subscriber's mailbox or to access options in an automated attendant.

R

RAM

See *random access memory*.

random access memory (RAM)

The primary memory in a computer that can be overwritten with new information.

read-only memory

A memory device which is programmed at the factory and whose contents thereafter cannot be altered.

reboot

See *boot*.

remote access

Sending and receiving data to and from a computer or controlling a computer with terminals or PCs connected through communications links.

remote installation

A system, site, or piece of peripheral equipment that is installed in a different location from the host switch or system.

remote network

A network in which the systems are integrated with more than one switch.

remote service center

An AT&T or AT&T-certified organization that provides remote support to AT&T Intuity customers. Depending upon the terms of the maintenance contract, your remote service center may be notified of all major and minor alarms and have the ability to remotely log into your system and remedy problems.

remote subscribers

Intuity AUDIX subscribers whose mailboxes reside on a remote Intuity AUDIX Digital Networking machine.

remote terminal

A terminal connected to a computer over a phone line.

REN

See *ringer equivalence number*.

reply loop escape

An Intuity AUDIX feature that allows a subscriber the option of continuing to respond to a message after trying to reply to a nonsubscriber message.

reply to sender

An Intuity AUDIX feature that allows subscribers to immediately place a call to the originator of an incoming message if that person is in the switch's dial plan.

request to send (RTS)

One of the control signals on a RS-232 connector that places the modem in the originate mode so that it can begin to send.

restart

An AT&T Intuity feature that allows Intuity AUDIX subscribers who have reached the system through the call answer feature to access their own mailboxes by typing the *R (Restart) command. This feature is especially useful for long-distance calls or for users who wish to access the AT&T Intuity system when all the ports are busy. Also, the reinitialization of certain software. For example, restarting the messaging system.

restore

The process of recovering lost or damaged files by retrieving them from available backup tapes, floppy diskette, or another disk device.

retention time

The amount of time messages are saved on disk before being automatically deleted from a subscriber's mailbox.

ringer equivalence number (REN)

A number required in the United States for registering your telephone equipment with the phone company.

ROM

See *read-only memory*.

RS-232

A set of standards developed by the Electrical Industries Association (EIA) that specifies various electrical and mechanical characteristics for interfaces between computers, terminals, and modems.

RTS

See *request to send*.

S

sales representative

An AT&T or AT&T-certified person who assists you in the purchasing, planning, and implementation of AT&T equipment and solutions.

SCA

See *switch communications adapter*.

scan

To automatically play mail messages, headers, or both.

scheduled delivery time

A time and/or date that an Intuity AUDIX subscriber optionally assigns to a message that tells the system when to deliver it. If a delivery time is omitted, the system sends the message immediately.

SCSI

See *small computer system interface*.

secondary extension

A second, fax-dedicated extension that directs incoming faxes directly into a subscriber's mailbox without ringing the telephone. The secondary extension shares the same mailbox as the voice extension, but acts like a fax machine. Also called *personal fax extension*.

serial transmission

The transmission of one bit at a time over a single wire.

server

A computer that processes and stores data that is used by other smaller computers. For AT&T Intuity Message Manager, Intuity AUDIX is the server. See also *client*.

shielded cables

Cables that are protected from interference with metallic braid or foil.

SID

See *switch integration device*.

SIMMs

See *single in-line memory modules*.

simplified message service interface (SMSI)

Type of data link connection to an integrated 1A ESS switch or 5ESS switch in the AT&T Intuity system.

single in-line memory modules (SIMMs)

A method of containing random access memory (RAM) chips on narrow circuit card strips that attach directly to sockets on the CPU circuit card. Multiple SIMMs are sometimes installed on a single CPU circuit card.

small computer systems interface (SCSI)

An interface standard defining the physical, logical, and electrical connections to computer system peripherals such as tape and disk drives.

SMSI

See *simplified message service interface*.

split

Group (or queue) of analog ports on the switch. See also *call-distribution group*.

subscriber

An AT&T Intuity user who has been assigned the ability to access the Intuity AUDIX Voice Messaging system.

subscriber interface

The devices that subscribers use to access their mailboxes, manage mailing lists, administer personal greeting, and use other messaging capabilities. Subscriber interfaces include a touch-tone telephone keypad and a PC using AT&T Intuity Message Manager.

surge

A sudden voltage rise and fall in an electrical circuit.

surge protector

A device that plugs into the phone system and the commercial AC power outlet. It is designed to protect the phone system from high voltage surges that could be damaging to the phone system.

SW

See *switch integration*.

switch

An automatic telephone exchange that allows the transmission of calls to and from the public telephone network. See also *private branch exchange (PBX)*.

switched access

A connection made from one endpoint to another through switch port cards. This allows the endpoint (such as a terminal) to be used for several applications.

switch hook

The device at the top of most telephones which is depressed when the handset is resting in the cradle (on hook). This device is raised when the handset is picked up (the phone is off hook).

switch hook flash

A signaling technique in which the signal is originated by momentarily depressing the switch hook.

switch integration

Sharing of information between a messaging system and a switch in order to provide a seamless interface to callers and subscribers.

switch integration device

Operates as a digital telephone set emulator.

switch network

Two or more interconnected switching systems.

synchronous communication

A method of data transmission in which bits or characters are sent at regular time intervals, rather than being spaced by start and stop bits. See also *asynchronous communication*.

synchronous transmission

A type of data transmission where the data characters and bits are exchanged at a fixed rate with the transmitter and receiver synchronized. This allows greater efficiency and supports more powerful protocols.

system configuration

See *configuration*.

T

T.30

The standard for Group III fax machines that covers the protocol used to manage a fax session and negotiate the capabilities supported by each fax endpoint.

tape cartridge

One or more spare removable cartridges required to back up system information.

tape drive

The physical unit that holds, reads, and writes magnetic tape.

TCP/IP

See *transmission control protocol/internet program*.

TDD

See *telecommunications device for the deaf*.

TDM

See *time division multiplex*.

telecommunications device for the deaf (TDD)

A device with a keyboard and display unit that connects to or substitutes for a phone. The TDD allows a deaf or hearing-impaired person to communicate over the phone lines with other people who have TDDs. It also allows a deaf person to communicate with the Intuity AUDIX system.

terminal

See *display terminal*.

terminal type

A number indicating the type of terminal being used to log on to the AT&T Intuity system. Terminal type is the last required entry before gaining access to the AT&T Intuity display screens.

terminating resistor

A grounding resistor placed at the end of bus, line, or cable to prevent signals from being reflected or echoed.

time division multiplex

A device which derives multiple channels on a single transmission facility by connecting bit streams one at a time at regular intervals.

tip/ring

A term used to denote the analog telecommunications interface.

tone generator

A device acoustically coupled to a rotary phone, used to produce touch-tone sounds when subscribers cannot use a regular touch-tone generating voice terminal.

traffic

The flow of attempts, calls, and messages across a telecommunications network.

translations

Software assignments that tell a system what to expect on a certain voice port or the data link, or how to handle incoming data. They customize the AT&T Intuity system and switch features for users.

transmission control protocol/internet program (TCP/IP)

A set of protocols developed by the Department of Defense to link dissimilar computers across many kinds of networks. It is the protocol commonly used over Ethernet, as well as x.25, networks. Although committed to an eventual migration to an Open Systems Interconnection (OSI) architecture. TCP/IP currently divides networking functionality into only four layers: network interface, Internet, transport, and application.

T/R

See *tip/ring*.

troubleshoot

The process of locating and correcting errors in computer programs. Also called *debug*.

U

UCD

See *uniform call distribution*.

Undelete

An Intuity AUDIX feature that allows subscribers to restore the last message deleted. The subscriber presses * U to restore a deleted message.

undelivered message

A message that has not yet been sent to an Intuity AUDIX subscriber's incoming mailbox. The message resides in the sender's outgoing message and may be modified or redirected by the sender.

Unequipped

See *equipped/unequipped*.

unfinished message

A message that was recorded but not approved or addressed, usually the result of an interrupted Intuity AUDIX session. Also called *working message*.

uniform call distribution (UCD)

The type of call-distribution group (or hunt group) of analog port cards on some switches that connects subscribers and users to the Intuity AUDIX system. System 75, Generic 1, Generic 3, and some central office switches use UCD groups. See also *call-distribution group*.

uninterruptable power supply

An auxiliary power unit for a telephone system that provides continuous power in cases where commercial power is lost.

UNIX operating system

A multi-user, multi-tasking computer operating system.

upgrade

An installation that moves an AT&T Intuity system to a newer release.

untouched message

An Intuity AUDIX feature that allows a subscriber to keep a message in its current category by using the **H (Hold) command. If the message is in the new category, message-waiting indication remains active (for example, the message-waiting lamp will remain lit).

UPS

See *uninterruptable power supply*.

U. S. 123

An alternate announcement set in U. S. English whose prompts use numbers, not letters, to identify phone keypad presses. For example, a prompt might say, "press star three," instead of, "press star D."

user population

A combination of light, medium, and heavy users on which AT&T Intuity configuration guidelines are based.

V

vector

A customized program in the switch for processing incoming calls.

voice link

The AT&T Intuity analog connection(s) to a call-distribution group (or hunt group) of analog ports on the switch.

voice mail

See *voice message*.

voice mailbox

See *mailbox*.

voice message

Digitized information stored by the AT&T Intuity system on disk memory. Also called *voice mail*.

voice port

The IVC6 port that provides the interface between the AT&T Intuity system and the analog ports on the switch.

voice terminal

A telephone used for spoken communications with the AT&T Intuity system. A touch-tone telephone with a message-waiting indicator is recommended for all Intuity AUDIX subscribers.

voicing

Either speaking a message into the AT&T Intuity system during recording, or having the system playback a message or prompt to a subscriber.

volt

The unit of measurement of electromotive force. One volt is the force required to product a current of one ampere through a resistance of one ohm.

W

watt

A unit of electrical power that is required to maintain a current of one amp under the pressure of one volt.

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