AT&T

INTUITY Messaging Solutions Release 4.0 Migration Procedures

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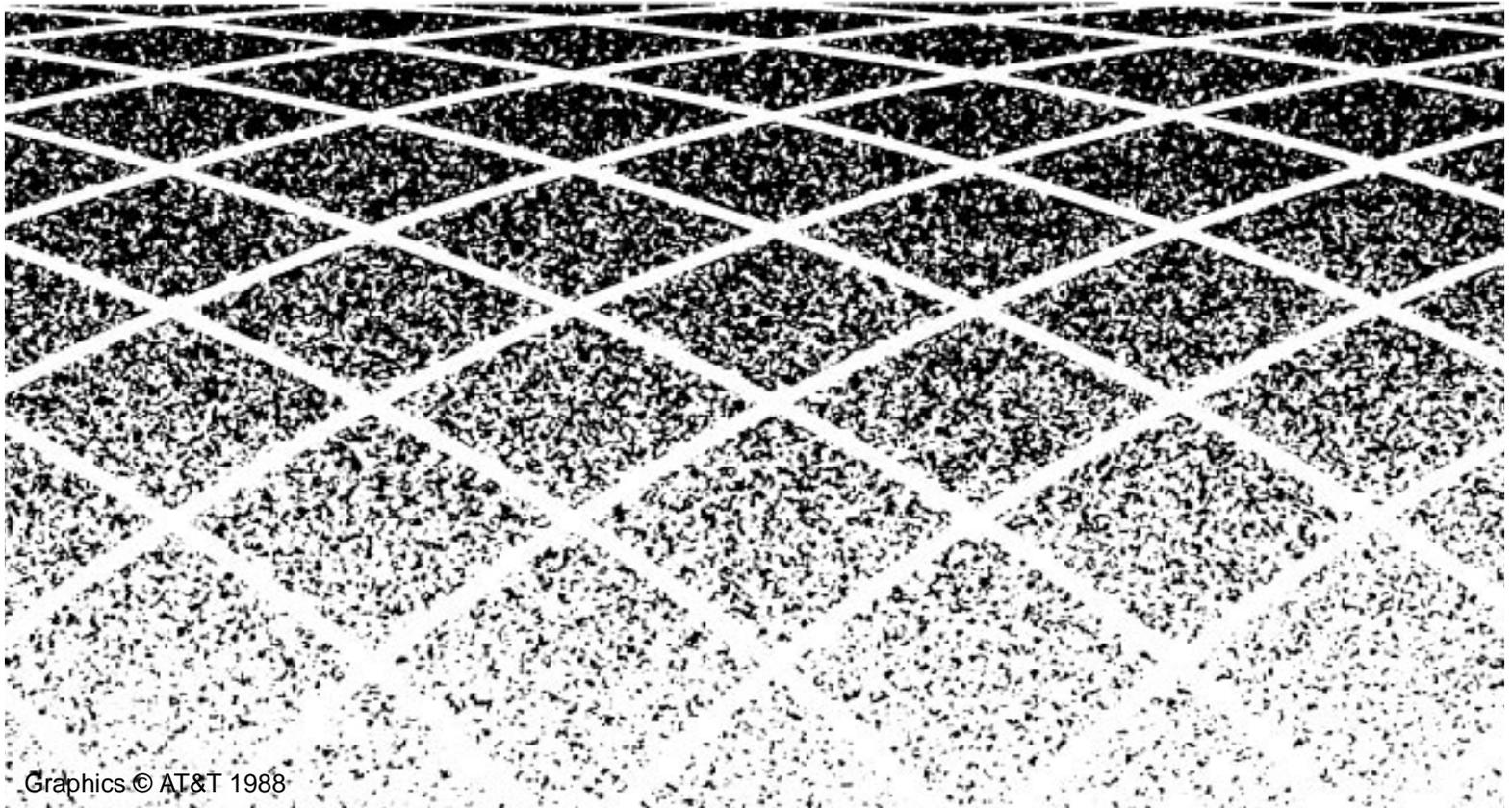
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About This Book

This book, *Lucent INTUITY Messaging Solutions Release 4 Migration Procedures,* contains the procedures needed for moving to an Lucent 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)

Intended Audience

This book is intended primarily for the on-site Lucent Technologies service technician and technical customer personnel. Secondary audiences from Lucent Technologies 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 subscirber data from an AUDIX R1 system to the Lucent 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 Lucent 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 Lucent 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 Lucent INTUITY System. A migration checklist is included in this chapter.

- Chapter 5, "Migrating from MERLIN LEGEND AUDIX Voice Power (IS II or IS III)"

  This chapter describes how to migrate from an AUDIX Voice Power on MERLIN LEGEND (IS II or ISIII) system to the Lucent INTUITY 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 Lucent INTUITY System at one time.

■ Abbreviations

This section lists the abbreviations and acronyms used in Lucent INTUITY system documentation.

■ Glossary

This section defines the terms and acronyms used in Lucent 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.

Release History

This is the first release of this book.

How to Use This Book

Although this book is designed to step you through the entire installation prcess, you can also use it as a quick-reference to obtain specific information you may need on a particular topic.

To Locate Other Specific Topics

This book includes an alphabetical index at the end for quick access to specific topics.

Conventions Used in This Book

This section describes the conventions used in this book.

Terminology

- The word "type" means to press the key or sequence of keys specified. For example, an instruction to type the letter "y" is shown as

   Type **y** to continue.

- The word "enter" means to type a value and then press ⌈ENTER⌋. For example, an instruction to type the letter "y" and press ⌈ENTER⌋ is shown as

   Enter **y** to continue.

- The word "select" means to move the cursor to the desired menu item and then press ⌈ENTER⌋. For example, an instruction to move the cursor to the start test option on the Network Loop-Around Test screen and then press ⌈ENTER⌋ is shown as

   Select `Start Test`.

- The Lucent INTUITY system displays *windows, screens,* and *menus*. Windows show and request system information (Figure 1 and Figure 2, respectively). Screens request that you enter a command at the `enter command:` prompt (Figure 3). Menus (Figure 4) present options from which you can choose to view another menu, or a screen or window.

- The words "subscriber" and "user" are interchangeable terms that describe a person administered on the Lucent INTUITY system. The word "user" is the preferred term in the text; however, "subscriber" appears on most of the screens.
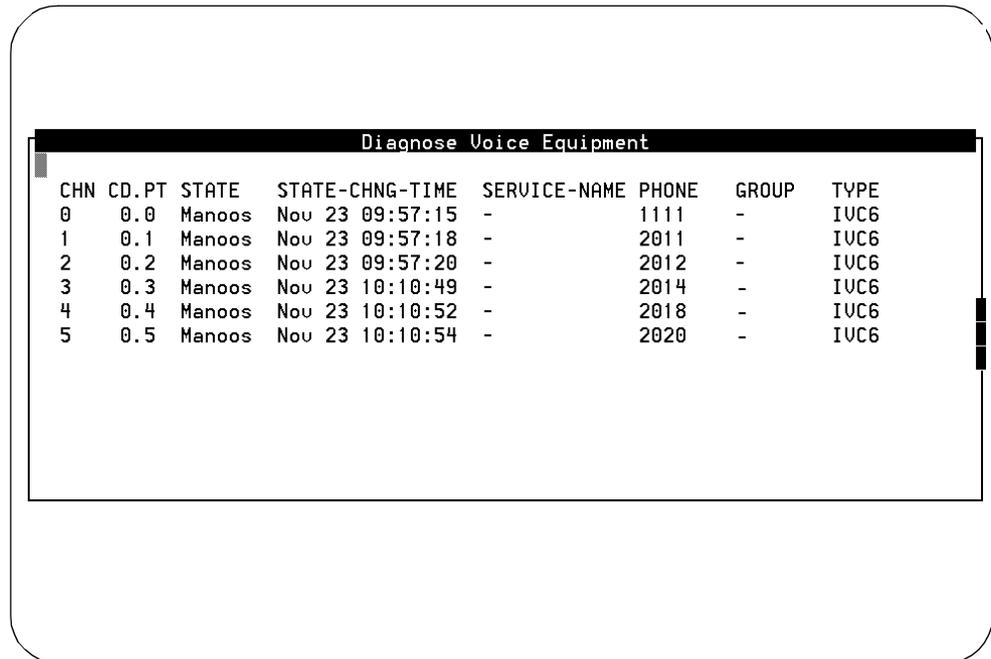
```
                          Diagnose Voice Equipment

CHN CD.PT  STATE    STATE-CHNG-TIME   SERVICE-NAME PHONE     GROUP    TYPE
0    0.0   Manoos   Nov 23 09:57:15   -            1111      -        IVC6
1    0.1   Manoos   Nov 23 09:57:18   -            2011      -        IVC6
2    0.2   Manoos   Nov 23 09:57:20   -            2012      -        IVC6
3    0.3   Manoos   Nov 23 10:10:49   -            2014      -        IVC6
4    0.4   Manoos   Nov 23 10:10:52   -            2018      -        IVC6
5    0.5   Manoos   Nov 23 10:10:54   -            2020      -        IVC6
```

Figure 1.   Example of an Lucent INTUITY Window
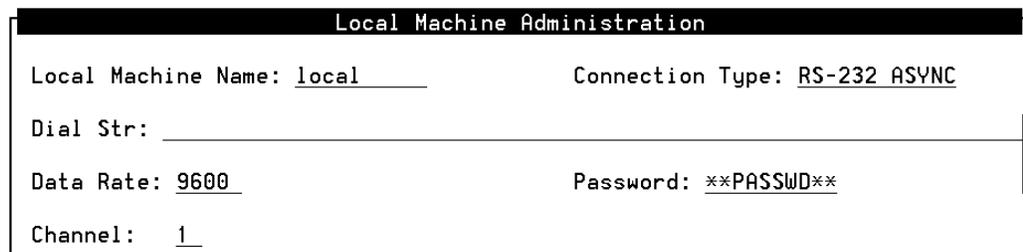
```
                   Local Machine Administration

Local Machine Name: local_____        Connection Type: RS-232 ASYNC

Dial Str: _____

Data Rate: 9600_                      Password: **PASSWD**

Channel:    1_
```

Figure 2.   Example of an Lucent INTUITY Window

```
                    Active          Alarms:                    Logins: 2
change machine                                             Page 1 of 2
                          MACHINE PROFILE

Machine Name: cbveitt     Type: local          Location: local

 Voiced Name? ▓                          Extension Length: 4
    Voice ID: 0                         Default Community: 1

ADDRESS RANGES
    Prefix               Start Ext.  End Ext.       Warnings
  1: _____      0000        9999
  2: _____      _____    _____
  3: _____      _____    _____
  4: _____      _____    _____
  5: _____      _____    _____
  6: _____      _____    _____
  7: _____      _____    _____
  8: _____      _____    _____
  9: _____      _____    _____
 10: _____      _____    _____


███████████████████████████████████████████████████████████

enter command: change machine
```
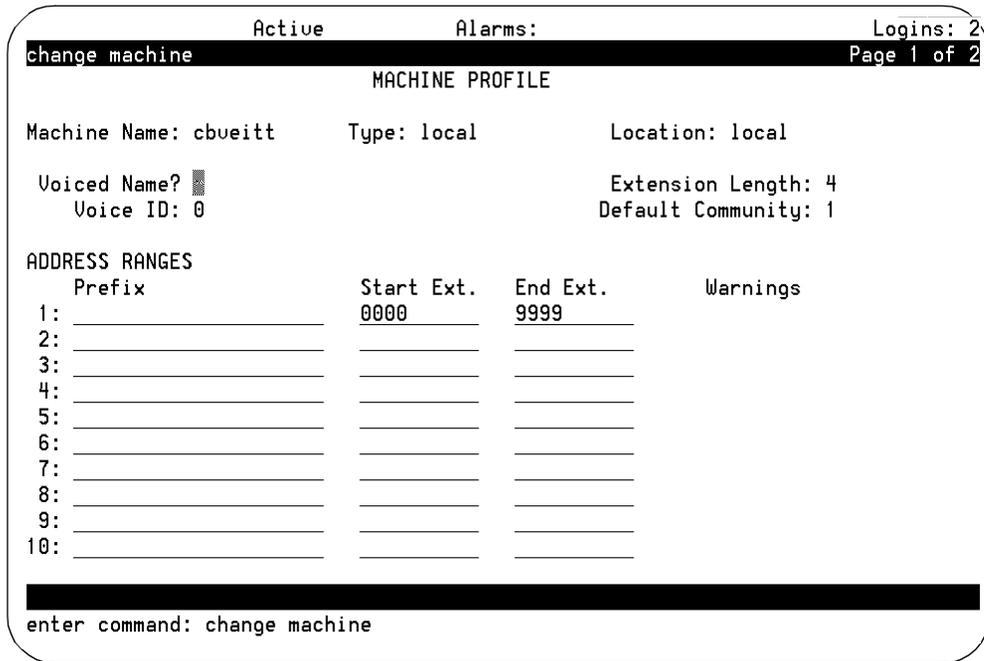
Figure 3. Example of an Lucent INTUITY Screen

```
            Networking Administration
>Local Machine Administration
 Remote Machine Administration
 Networking Channel Administration
 Networking Traffic
```

Figure 4.   Example of an Lucent INTUITY Menu

Terminal Keys

- Keys that you press on your terminal or PC are represented as rounded boxes. For example, an instruction to press the enter key is shown as

    Press (ENTER).

- Two or three keys that you press at the same time on your terminal or PC (that is, you hold down the first key while pressing the second and/or third key) are represented as a series of separate rounded boxes. For example, an instruction to press and hold (ALT) while typing the letter "d" is shown as

    Press (ALT) (D).

- Function keys on your terminal, PC, or system screens, also known as *soft keys*, are represented as square boxes followed by the function or value of that key enclosed in parentheses. For example, an instruction to press function key 3 is shown as

    Press [F3] (Choices).

- Keys that you press on your telephone keypad are represented as square boxes. For example, an instruction to press the first key on your telephone keypad is shown as

    Press [1] to record a message.

Screen Displays

- Values, system messages, field names, and prompts that appear on the screen are shown in typewriter-style `constant-width` type, as shown in the following examples:

  Example 1:

  > Enter the number of ports to be dedicated to outbound traffic in the `Maximum Simultaneous Ports` field.

  Example 2:

  ```
  Alarm Form Update was successful.

  Press <Enter> to continue.
  ```

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

  > Start at the Lucent INTUITY Main menu and select:

  ```
  > Customer/Services Administration

      > Alarm Management
  ```

  > In this example, you would access the Lucent INTUITY Main menu and select the Customer/Service Administration menu. From the Customer/Service Administration menu, you would then select the Alarm Management screen.

- Screens shown in this book are examples only. The screens you see on your machine will be similar, but not exactly the same.

Other Typography

- Commands and text you type in or enter appear in **bold type**, as in the following examples:

  Example 1:

  > Enter **change-switch-time-zone** at the `enter command:` prompt.

  Example 2:

  > Type **high** or **low** in the `Speed:` field.

- Command variables are shown in **_bold italic_** type when they are part of what you must type in and _regular italic_ type when they are not, for example

  > Enter **ch ma _machine_name_**, where _machine_name_ is the name of the call delivery machine you just created.

Safety and Security Alert Labels

This book uses the following symbols to call your attention to potential problems that could cause personal injury, damage to equipment, loss of data, service interruptions, or breaches of toll fraud security:

⚠ CAUTION:
Indicates the presence of a hazard that if not avoided can or will cause minor personal injury or property damage, including loss of data.

⚠ WARNING:
Indicates the presence of a hazard that if not avoided can cause death or severe personal injury.

⚠ DANGER:
Indicates the presence of a hazard that if not avoided will cause death or severe personal injury.

Indicates the presence of a toll fraud security hazard. Toll fraud is the unauthorized use of a telecommunications system by an unauthorized party.

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Related Resources

This section describes additional documentation and training available for you to learn more about installation of the Lucent INTUITY product.

Documentation

➡ NOTE:
The *Lucent INTUITY Messaging Solutions Release 4 Documentation Guide*, 585-310-540, contains a detailed description of all books included in the Release 4 Lucent INTUITY documentation library. Always refer to the appropriate book for specific information on planning, installing, administering, or maintaining an Lucent INTUITY system.

It is suggested that you obtain and use the following book in conjunction with this migration book:

■ *Lucent INTUITY Messaging Solutions Release 4 Planning for Migrations* , 585-310-606, for a complete description of the planning for the migration to the Lucent INTUITY.

It is suggested that you obtain and use the following book for information on security and toll fraud issues:

■ *GBCS Products Security Handbook*, 555-025-600

See the inside front cover for information on how to order Lucent INTUITY documentation.

Training

The following training class is recommended as a prerequisite to migrating to a Release 4 Lucent INTUITY system:

■ Course No. MO1616A, Lucent INTUITY Messaging Solutions Installation and Maintenance

For more information on Lucent INTUITY training, call the BCS Education and Training Center at one of the following numbers:

■ Organizations within Lucent Technologies: (904) 636-3261

■ Lucent Technologies customers and all others: (800) 255-8988

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Room 22-2H15
11900 North Pecos Street
Denver, Colorado 80234

You may also fax you comments to the attention of the Lucent Technologies INTUITY writing team at (303) 538-1741.

Please be sure to mention the name and order number of this book.

Migrating from AUDIX R1

1

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 AUDIX system replaces the AUDIX R1. The AUDIX R1 is either immediately disconnected or it may be left in place temporarily so users can listen to any messages stored by the AUDIX R1 before the INTUITY AUDIX system was placed into service. However, if the users use the AUDIX R1 to retrieve old messages, the INTUITY AUDIX system provides service for all new messages.

> **NOTE:**
> The AUDIX R1 system can continue to run during the entire transfer of data. However, do not change any settings in the AUDIX R1 system once the transfer begins.

SWITCH

Old AUDIX R1
hunt group (8 ports; ext. 84000)

AUDIX
coverage
path to
84000

Subscribers with
extensions between
84100-84999

Subscribers with
extensions between
85100-85999

To get
old messages
dial 87100

Intuity AUDIX
hunt group
(6 ports;
ext. 84000)

New
AUDIX R1
hunt group
(2 ports;
ext. 87100)

BX25
card

Intuity AUDIX

with new mailboxes
for 84100-84999
and 85100-85999

All new calls come here.

AUDIX R1

with old mailboxes
for 84100-84999
and 85100-85999

Disconnected
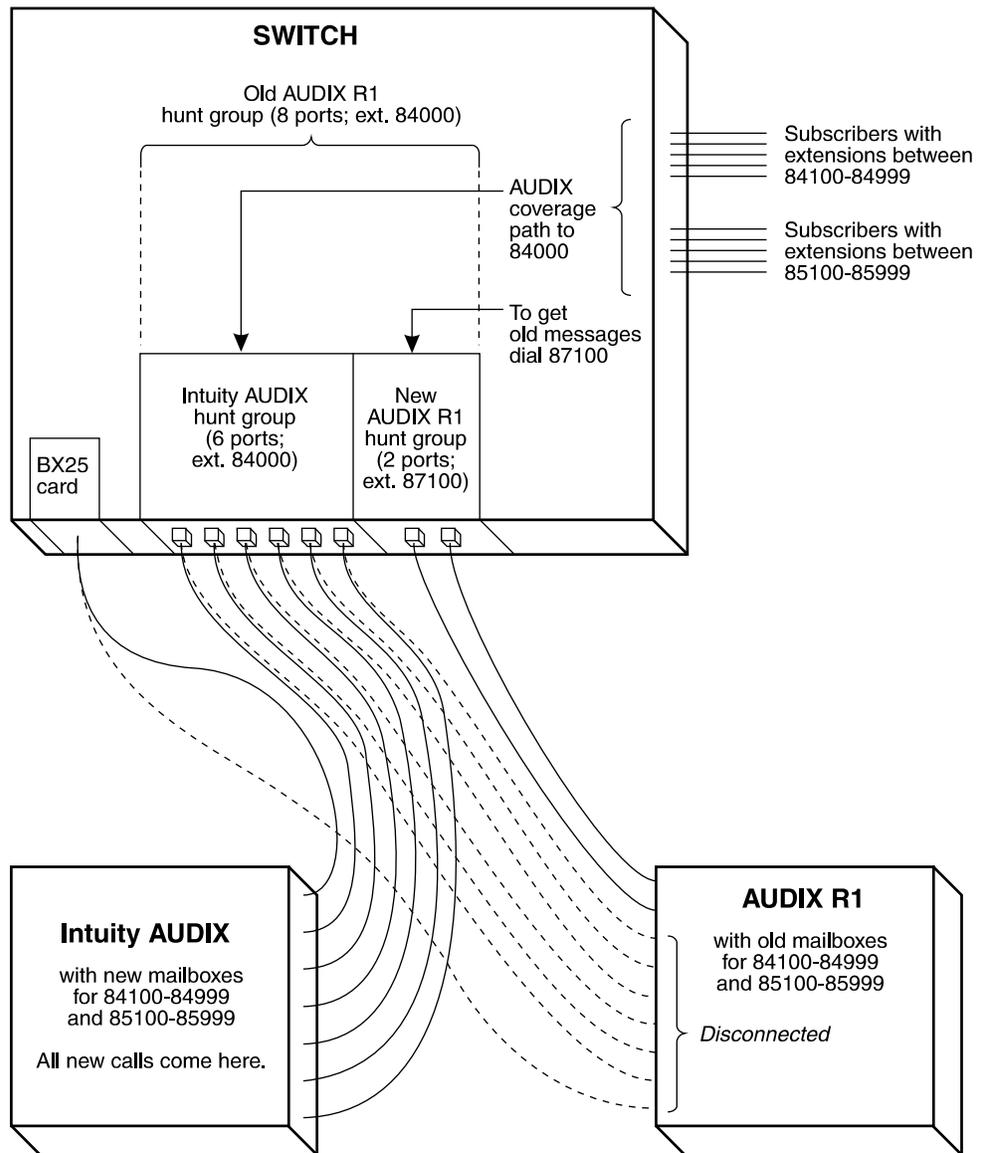
Figure 1-1.   Standard Migration of AUDIX R1 to the INTUITY AUDIX System

Tandem Migration

In a tandem migration (Figure 1-2), the INTUITY AUDIX system provides service for only part of the users from the AUDIX R1. The AUDIX R1 system remains up and running, and only a subset of users move to the INTUITY AUDIX 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.

➡ NOTE:
The AUDIX R1 system can continue to run during the entire transfer of data. However, do not change any settings in the AUDIX R1 system once the transfer begins.
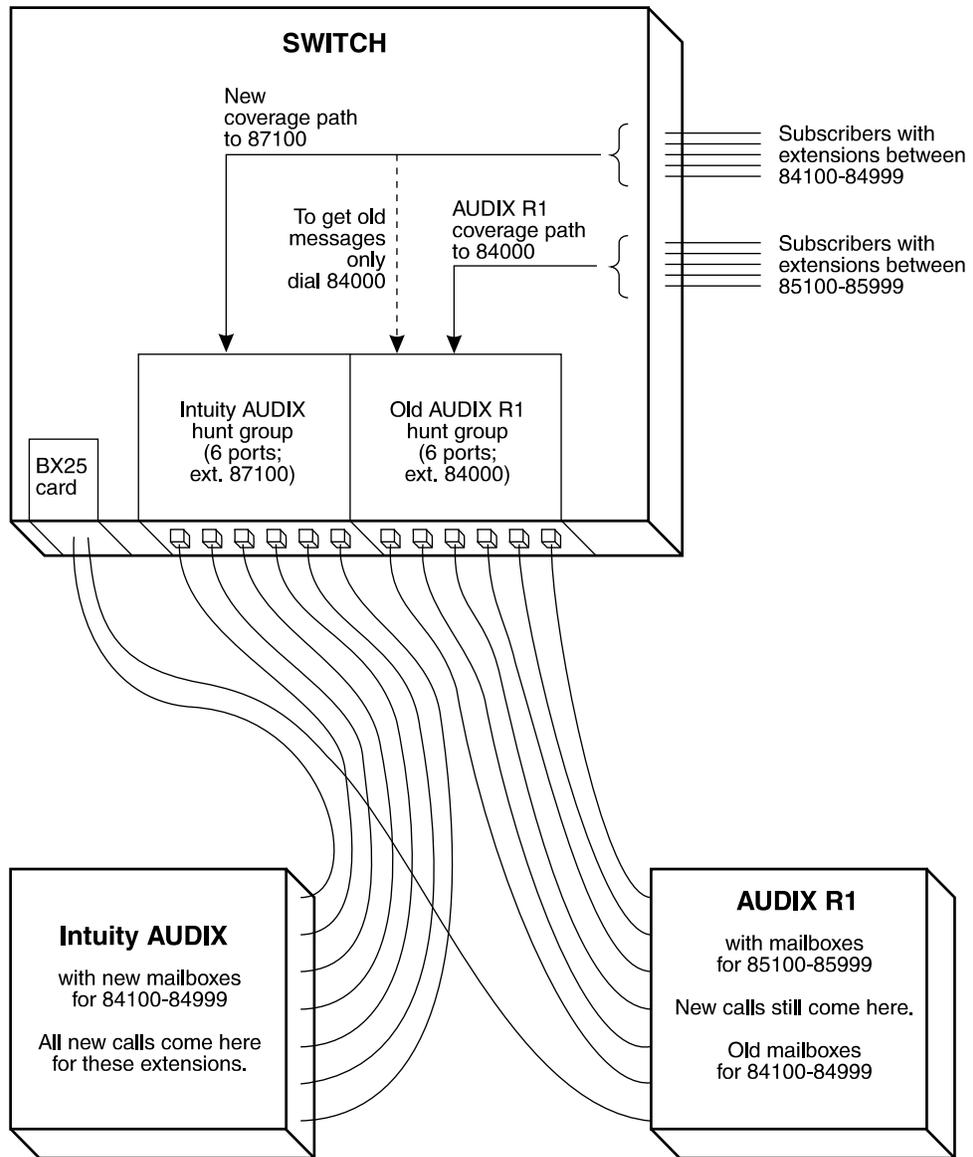
Figure 1-2.   Tandem Migration of AUDIX R1 to the INTUITY AUDIX System

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 using the maintenance port

- A modem connected to the INTUITY AUDIX system at comport 2

- These additional books:

  — *Lucent INTUITY Messaging Solutions R4.0 MAP/40 and MAP/40s Maintenance* or *Lucent INTUITY Messaging Solutions R4.0 MAP/100 Maintenance*

  — Appropriate installation book for Lucent INTUITY Messaging Solutions R4.0

  — 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 AUDIX system.

Table 1-1. AUDIX R1 Migration Checklist

Task	Description	✔
1.	Get the AUDIX R1 profile	
2.	Preadminister the INTUITY AUDIX system	
3.	Define the network machine names	
4.	Set the class-of-service names	
5.	Add and remove a user	
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 AUDIX system	
15.	Assign a coverage path to the migrated users (*tandem migration only*)	
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.	
17.	Readminister the voice ports on the AUDIX R1 system	

Before beginning Task 2, administer the INTUITY AUDIX system for integration with the switch, including the switch interface and channels. **However, do not assign voice ports to a hunt group unti Task 13.** Also, if networking is to be turned on, administer the switch for networking before beginning Task 2. For more information, see *Lucent INTUITY Messaging Solutions R4.0 MAP/40 and MAP/40s Installation* or *Lucent INTUITY Messaging Solutions R4.0 MAP/100 Installation.*

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	■ Minimum password length ■ Name record by user 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:outcalling	Outcalling on or off?
traffic:feature:day	Number of users (local and remote)
maintenance:system:vintage	AUDIX R1 software version
list:machine	Networked machine names and voice IDs
list:cos	Class-of-Service names
cos	Class-of-Service (0-11)
system:translation:machine:audix	Network machine configurations
system:translation:switch connection	Type of connection
list:extension:local	Names of local users
list:extension:remote	Names of remote users
subscriber: local	Administrative data for 5 users
subscriber:remote	Administrative data for 5 users

> **NOTE:**
> A printer should 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

1. At the AUDIX R1 command line, type **sy ap** and press ⒇ (Enter).

   The system responds with the System:Appearance screen (Figure 1-3).

```
PERFS1 STATUS:  alarms: MmwA, 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: s  advance: s       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

2. Print the screen.

3. Press ⌈EXIT⌉.

   The system will return to the AUDIX R1 command line.

System:Outcalling Screen

1. Type **sy out** and press ⒡⒏ (Enter).

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

```
AUDIX              Active              Alarms: MmwA              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).

```
PERFS1 STATUS:  alarms: MmwA, logins: 1, thresholds: none
 PATH: traffic : feature : day
starting date (mmddyy): _____   ending time (hhmm):
       (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).

```
PERFS1 STATUS:  alarms: MmwA, logins: 1, thresholds: none
 PATH: maintenance : system : vintage
VSF                     VSF                     VSF
BOARD       VINTAGE     BOARD       VINTAGE     BOARD       VINTAGE

TN591       1           TN501B      9
TN761       2           TN501B      10
                        TN501B      10
                        TN501B      10
TN716B      1           TN501B      10
                        TN501B      10
TN511       3           TN501B      10
UN160B      5           TN501B      10
UN162       3                                   TN714       10
TN533       7           TN500       10          TN747B      3
                                                VPT 2       0
                        TN520       15          VPT 3       NA
TN727       12

software version: R1V8 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 ⒡⒏ (Enter).

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

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

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

 machine name       machine type      uoice 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).

```
PERFS1 STATUS:  alarms: MmwA, 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.

COS Screens

1. Type **cos : *cos-number***, where ***cos-number*** is the number of a class of service from 1 to 11. Press F8 (Enter).

   The system responds with the COS screen (Figure 1-9).

```
STT01 STATUS:  alarms:   wA, logins: 1, thresholds: none
 PATH: cos : 1

class of service name: ▯ight10          modified (y/n)? y
addressing format (e/n): e

permissions,  type (a/c/p/n): c  announcement control (y/n)? n
           outcalling (y/n)? n  priority messages    (y/n)? n
         broadcast (v/l/b/n): n

incoming mailbox, lifo/fifo (l/f): f    category order (n,u,o): nuo
    retention times (days),   new: 10   old: 10  unopened: 10
outgoing mailbox, lifo/fifo (l/f): f    category order (f,u,n,d,a): funda
    retention times (days), file cab: 10  delivered/nondeliverable: 5

voice mail message (seconds),  maximum length: 120  minimum needed: 40
call answer message (seconds), maximum length: 120  minimum needed: 16
end of message warning time (seconds):

maximum mailing lists: 20     total entries in all lists: 200

mailbox size (seconds), maximum: 800   minimum guarantee: 0

operation confirmed
```

Figure 1-**9.   AUDIX R1 COS Screen**

2. Print the screen.

3. Press EXIT.

   The system will return to the AUDIX R1 command line.

4. Repeat steps 1 through 3 for each class of service.

System:Translation:Machine:AUDIX Screen

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

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

```
PERFS1 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 1-10.   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 1-11).

```
PERFS1 STATUS:  alarms: MmwA, logins: 1, thresholds: none
 PATH: system : translation : switch connection
connection type (dciu-sci/smsi/bri-api/sl1/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/v/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 1-11.   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.

List:Extension:Local Screen

1. Type **li ex lo** and press F8 (Enter).

   The system responds with the List Extension Local screen (Figure 1-12).

```
STT01 STATUS:  alarms:   wA, logins: 1, thresholds: none
 PATH: list : extension : local

extension:         █
<PRESS ENTER FOR LIST STARTING FROM GIVEN EXTENSION>

ext           name
```

Figure 1-12.   AUDIX R1 List Extension Local Screen

2. Press F8 (Enter).

   The system responds with a list of extensions and user names.

3. Print the screen.

4. Press EXIT .

   The system will return to the AUDIX R1 command line.

List:Extension:Remote Screen

1. Type **li ex re** and press F8 (Enter).

   The system responds with the List Extension Remote screen (Figure 1-12).

```
STT01 STATUS:  alarms:   wA, logins: 1, thresholds: none
 PATH: list : extension : remote

machine name:                              extension:
subscriber type (a,v,u):
<PRESS ENTER FOR LIST BEGINNING WITH GIVEN MACHINE NAME OR EXTENSION>

ext             name                          type      usage date
```

Figure 1-13.   AUDIX R1 List Extension Remote Screen

2. Type the name of an AMIS machine in the `machine name` field, and press F8 (Enter).

   The system responds with a list of extensions and user names.

3. Print the screen.

4. Press EXIT .

   The system will return to the AUDIX R1 command line.

Subscriber:Local Screen

1. Type **su lo** and press F8 (Enter).

   The system responds with the Subscriber Local screen (Figure 1-12).

```
STT01 STATUS:  alarms:   wA, logins: 1, thresholds: none
 PATH: subscriber : local
name:                          ext:
<PRESS ENTER TO DISPLAY SERVICE OPTIONS>
cos:        (optional)       password:               (optional)
community id :               broadcast mailbox (y/n)?
switch number:                 misc:                (optional)
covering extension:         (optional)   addressing format (e/n):
permissions,  type (a/c/p/n):    announcement (y/n)?
          outcalling (y/n)?    priority msg (y/n)?   broadcast (v/l/b/n):
text service machine:           user id:
incoming mailbox, lifo/fifo (l/f):      category order (n,u,o):
   retention times (days),   new:      old:     unopened:
outgoing mailbox, lifo/fifo (l/f):      category order (f,u,n,d,a):
   retention times (days), file cab:      delivered/nondeliverable:
voice mail message (seconds),  maximum length:      minimum needed:
call answer message (seconds), maximum length:      minimum needed:
end of message warning time (seconds):
maximum mailing lists:        total entries in all lists:
mailbox size (seconds), maximum:       minimum guarantee:

new name:                          new ext:           locked (y/n)?
```

Figure 1-14.   AUDIX R1 List Extension Remote Screen

2. Type the name of a user in the `name` field, and press F8 (Enter).

   The system responds with the parameters for the user.

3. Print the screen.

4. Press EXIT .

   The system will return to the AUDIX R1 command line.

5. Repeat steps 1 through 4 for four more users.

Subscriber:Remote Screen

1. Type **su re** and press F8 (Enter).

   The system responds with the Subscriber Remote screen (Figure 1-12).

```
STT01 STATUS:   alarms:    wA, logins: 1, thresholds: none
  PATH: subscriber : remote
name:                                   ext:
address:                                community id:
administered indicator (y/n)?
machine name(s)




voice name:
non-administered type (verified/unverified/no-profile):
last usage date:
(PRESS ENTER TO DISPLAY SUBSCRIBER PROFILE)
new name:                               new ext:
```

Figure 1-15.   AUDIX R1 List Extension Remote Screen

2. Type the name of a user in the name field, and press F8 (Enter).

   The system responds with the parameters for the user.

3. Print the screen.

4. Press EXIT .

   The system will return to the AUDIX R1 command line.

5. Repeat steps 1 through 4 for four more users.

6. Press CTRL D to log off.

Collect all of the printed screens from the printer.

Task 2 - Preadminister the INTUITY AUDIX System

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

- Extension length

- Number of local users and administered remote users

- Range of extensions

- Outcalling

- Classes of service

Get the printouts of the AUDIX R1 screens. Log on to the INTUITY AUDIX system using the *craft* login. Select INTUITY AUDIX Administration from the Lucent INTUITY Main Menu. A blank screen appears.

Extension Length

1. From the Lucent INTUITY main menu, select the Switch Interface Administration menu option.

   The system responds with the Switch Interface Administration screen (Figure 1-16).

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

extension length ranges from 3 to 5

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

Figure 1-16.   Switch Interface Administration Screen

2. 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.

5. Press F6 (Cancel) to return to the Lucent INTUITY main menu.

Number of Local and Administered Remote Users

1. Enter **ch sy lim** at the command line.

   The system responds with the System-Parameters Limits screen (Figure 1-17).

```
AUDIX             Active             Alarms: MmwA                    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 1-17. 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 user limits.

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

Range of Extensions

1. Enter **change machine**.

   ➡ **NOTE:**
   Since you do not enter a machine name, the system will automatically select the local machine.

   The system responds with the Machine Profile screen (Figure 1-18) .

```
AUDIX            Active          Alarms: MmwA                    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 1-18. Machine Profile Screen

2. 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.

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. At the command line, enter **ch sy o**.

   The system responds with the System-Parameters Outcalling screen (Figure 1-19).

```
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






                                                                          e
                     change system-parameters outcalling
```

Figure 1-19.   System-Parameters Outcalling Screen

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

3. Using the print out of the AUDXI 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.

4. If this field does not match, change the value on the INTUITY AUDIX system so that both `Outcalling Active` fields match.

5. Press `F3` (Save) to save your changes.

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

Task 3 - Define the Networked Machines

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

- Machine names

- Dial strings

- Extension ranges

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 users.

⇒ NOTE:

You must enter all digital network machine names as well as AMIS machine names into the INTUITY AUDIX system prior to the data transfer. However, only AMIS user data transfers from the AUDIX R1 system to the INTUITY AUDIX 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 user data. This command is available at the command line on AUDIX administration screens. This customer should run this command after the migration is complete and service is verified.

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

> Networking Administration

> Remote Machine Administration

> Digital Network Machine Administration

OR

> Networking Administration

> Remote Machine Administration

> AMIS Analog Machine Administration

The system responds with the selected network machine administration screen.

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

⇒ 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. Repeat steps 1 and 2 for each remote networked machine.

4. Press ⌷F6⌷ (Cancel) three times to return to the Lucent INTUITY main menu.

5. At the Lucent INTUITY Main Menu, select:

> AUDIX Administration

The system displays a blank screen (Figure 1-20).

```
┌──────────────────────────────────────────────────────────────┐
│ AUDIX            Active           Alarms: none        Logins: 8 │
│ ███████████████████████████████████████████████████████████    │
│                                                                │
│                                                                │
│                                                                │
│                                                                │
│                                                                │
│                                                                │
│                                                                │
│                                                                │
│                                                                │
│                                                                │
│                                                                │
│ ███████████████████████████████████████████████████████████    │
│ enter command:                                                 │
│                                                                │
└──────────────────────────────────────────────────────────────┘
```
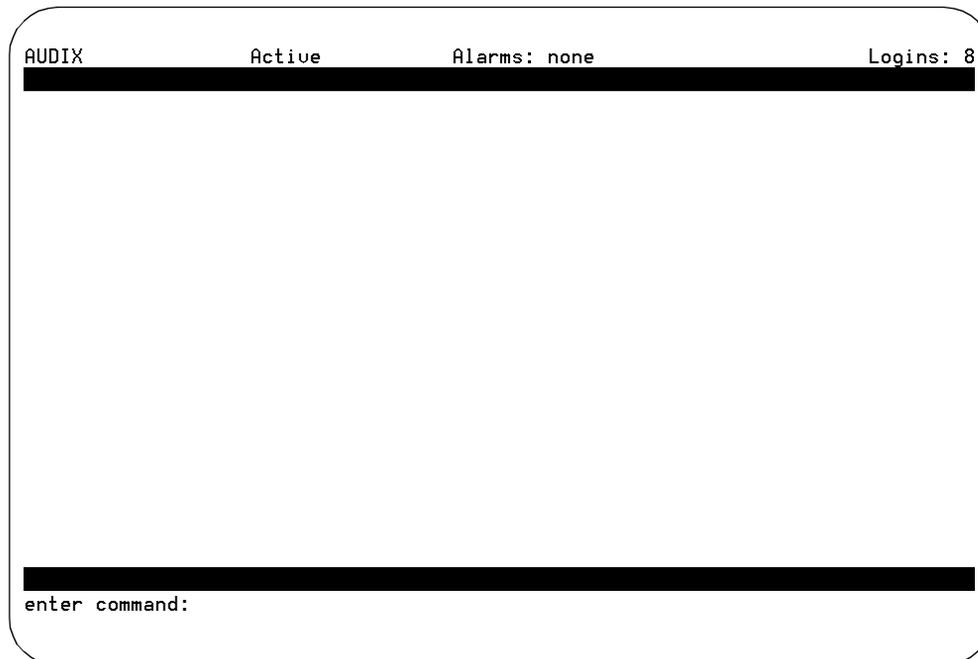
Figure 1-20. Blank AUDIX Screen

6. Enter **change machine *machine_name*** at the `enter command:` prompt.

   The system displays the Machine Profile screen (Figure 1-21) for the system you named.

```
drmid2              Active              Alarms:  mwA                     Logins: 2
change machine drbig1                                                    Page 1 of 2
                                  MACHINE PROFILE

Machine Name: drbig1        Type: UEX                Location: remote-digital

   Voiced Name? n                               Extension Length: 5_
      Voice ID: 2                              Default Community: 1_

ADDRESS RANGES
      Prefix                    Start Ext.   End Ext.        Warnings
  1: mac3_____        82000_____   87999_____
  2: _____           _____    _____
  3: _____           _____    _____
  4: _____           _____    _____
  5: _____           _____    _____
  6: _____           _____    _____
  7: _____           _____    _____
  8: _____           _____    _____
  9: _____           _____    _____
 10: _____           _____    _____


enter command: change machine drbig1
```

Figure 1-21.   Machine Profile Screen for a Remote System

7. Using the *Lucent INTUITY AUDIX Digital Networking Administration* or *AMIS Analog Networking* book, administer the extension range(s) for the selected networked machine. The range should start with **000000** and end with **999999**.

8. Repeat steps 6 and 7 for each remote networked machine.

   ⇒ **NOTE:**
   You may need to perform many other tasks associated with networking. See the appropriate installation book for Lucent INTUITY Messaging Solutions R4.0.

Task 4 - Set the Class-of-Service Names

1. Get the Class of Service screen printouts from the AUDIX R1 system.

2. From the Lucent INTUITY main menu, select:

> AUDIX Administration

3. 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 1-22).

```
AUDIX              Active           Alarms: MmwA              Logins: 4
change cos 1                                                Page 1 of 2
                            CLASS OF SERVICE


          Name: class01       COS Number: 1            Modified? n
Addressing Format: extension


                                Login Announcement Set: System
System Multilingual is OFF      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? n          Broadcast: none         IMAPI Access? n
  IMAPI Message Transfer? n      Fax Creation? n  Trusted Server Access? n



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

Figure 1-22.   Class Of Service Screen

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

5. Press F6 (NextPage) to go to Page 2 of the Class of Service screen.

   The system responds with the Class-Of-Service screen, Page 2 (Figure 1-23).

```
AUDIX             Active            Alarms: Mm A                  Logins: 1
change cos 1                                                    Page 2 of 2
                              CLASS OF SERVICE


INCOMING MAILBOX          Order: fifo            Category Order: nuo
  Retention Times (days),    New: 60      Old: 60        Unopened: 60

OUTGOING MAILBOX          Order: fifo            Category Order: undfa
 Retention Times(days),File Cab: 60      Delivered/Nondeliverable: 5


Voice Mail Message (seconds),  Maximum Length: 240  Minimum Needed: 32
Call Answer Message (seconds), Maximum Length: 240  Minimum Needed: 8

        End of Message Warning Time (seconds):

          Maximum Mailing Lists: 25     Total Entries in all Lists: 500
Mailbox Size (seconds), Maximum: 4000            Minimum Guarantee: 0




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

Figure 1-23.   Class Of Service, Page 2, Screen

6. Verify that all default parameters in the Class of Service screen, Page Two, are equal to or greater than all equivalent parameters in the AUDIX R1 Class of Service printouts.

7. Press F3 (Save) to add the name.

    The message: `command successfully completed appears.`

8. Repeat Steps 3 through 7 for each class of service number.

Task 5 - Add and Remove a User

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

1. Enter **add su** at the command line.

   The system responds with the Subscriber screen (Figure 1-24).

```
drmid2              Active           Alarms:    wA                  Logins: 6
add subscriber                                                   Page 1 of 2
                                  SUBSCRIBER

          Name: _____         Locked? n
     Extension: _____                        Password: _____
           COS: class00                      Miscellaneous: _____
Switch Number: __                       Covering Extension: _____
 Community ID: __                        Broadcast Mailbox? _
Secondary Ext: _____








Press [ENTER] to execute or press [CANCEL] to abort
enter command: add subscriber
```

Figure 1-24.   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 user.

   ### ⇒ NOTE:
   This procedure uses the defaults for the remaining fields.

5. Press [F3] (Save) to add the user.

   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 user *test-3*.

7. Press F3 (Save) to remove the user.

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

8. Enter **exit**.

   The system returns to the Lucent INTUITY main menu.

   If you changed the extension length, you must shutdown and restart the voice system to fully implement the change.

9. Select:

> Customer/Services Administration

>System Management

>System Control
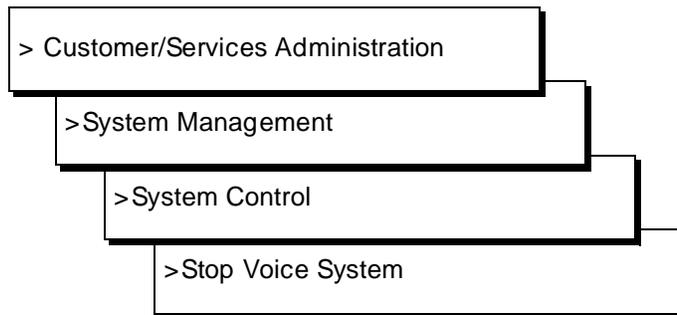
>Stop Voice System

The system displays the Wait Time window (Figure 1-25):

```
         Wait Time
    Seconds: ███
```

Figure 1-**25.   Wait Time window**

10. Enter a number of seconds (60 to 600) that the system should wait to clear current calls before stopping the voice system. A recommended number is 180.

11. Press F3 (Save).

The following text appears on the screen:

The Voice System is now stopping.

Initiating request to clear all calls in the next XXX 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.

Additional text appears on the screen until the system displays the following prompt:

Press RETURN to continue

12. Press [ENTER].

    The System Control menu appears.

13. Select Start Voice System.

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

    The Voice System is starting

    INIT: New run level 4

    NOTICE: * *** *** rmiReset *** *** *****

    The system displays additional messages about initializations and checks. Finally, the following prompt appears:

    Hit acknowledge key to continue.

14. Press [F1] (Acknowlg Message) to return to the System Control menu.

Task 6 - Verify the Installed Migration Software

The INTUITY AUDIX 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 Lucent INTUITY machine. You can verify the installed software by completing the following:

1. Starting at the Lucent INTUITY main menu, select:

> > Customer/Services Administration
> > >System Verification
> > >View Installed Software
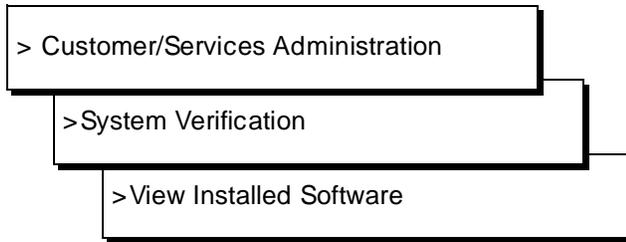
   The system responds with the View Installed Software screen (Figure 1-26).

```
                    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 VM            AUDIX(R) Module marker file
intuity     VM-dfltdb    AUDIX(R) Default db
intuity     VM-files     AUDIX(R) Files
intuity     VM-sw        AUDIX(R) Software
intuity     VM-upg       AUDIX(R) Upgrade
Intutity    VoiceCalc    Interactive Voice Calculator
system      acp          Enhanced Application Compatibility
system      audfs        AUDIX File system
```

Figure 1-26. View Installed Software Screen

2. Search for the following item:

   mig   **Migrations**

   ⇒ NOTE:
   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 this item is *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 Lucent INTUITY machine, you can install the software by doing the following:

1. Locate the migration floppy disk.

    ### ➡ **NOTE:**
    This disk was shipped with the INTUITY AUDIX system.
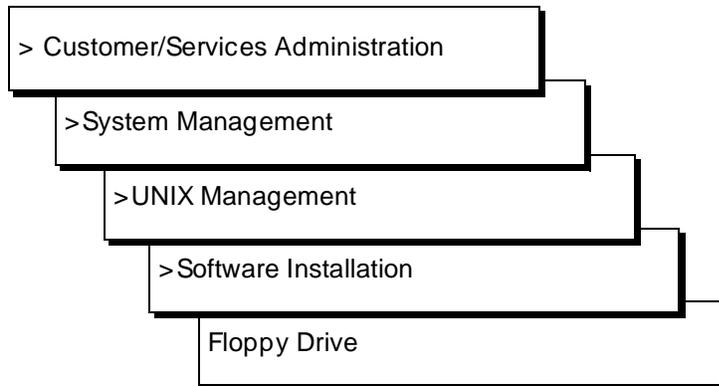
2. Starting at the Lucent INTUITY main menu, select:

> Customer/Services Administration

> System Management

> UNIX Management

> Software Installation

Floppy Drive

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) 4.0-8**
>
> **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 AUDIX 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 AUDIX 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 users whose data should be transferred

➡ NOTE:

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

1. From the Lucent INTUITY main menu (Figure 1-27), select the Migrations menu option.

```
          INTUITY (TM) Main Menu

 AUDIX Administration
 Customer/Services Administration
 Migrations
 Networking Administration
 Switch Interface Administration
 Upgrade
 Voice System Administration
```
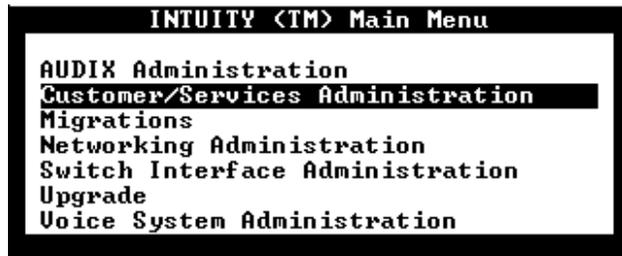
Figure 1-27.   Lucent INTUITY Main Menu

The system responds with Migration menu (Figure 1-28).

```
==== 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 1-28. Migration Menu

2. Enter **1**.

   The system responds:

   Migrating to Lucent Intuity AUDIX R4.0. Press Enter to continue ....

3. Press ENTER .

The system responds with the AUDIX R1 Migration Using ADAP menu (Figure 1-29).

.

```
==== 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 ] :
```

Figure 1-29.   AUDIX R1 Migration Using ADAP Menu

4. Enter **1**.

   The system responds with a series of data entry prompts (Figure 1-30).

```
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 (r1v5 r1v6 r1v7 r1v8) [ r1v7 ] :
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-**30. 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 Lucent INTUITY main 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 (usually 1200) 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 users on the INTUITY AUDIX 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 users 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 users 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 users whose data you are transferring.

■ AMIS remote subscribers

Enter **y** if the AUDIX R1 system has AMIS users who are transferring. If there are no AMIS users, 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 1996**

   When the test is complete, the following message appears

   > **Lucent Intuity machine-name Lucent 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 services center.

Task 10 - Run the Data Transfer

You must run the data transfer to move AUDIX R1 user data to the INTUITY AUDIX system. The transfer of data can take several hours, depending on the number of users whose data is transferring. An approximate estimate of time is 120 users 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 users 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 1-31):

```
==== 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 1-31.   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 1-32), which begins to scroll at the bottom of the screen.

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

Select option () [ 4 ] : 5
UX:cat: ERROR: Cannot open /tmp/mig_lines: No such file or directory
UX: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 cbvevsw% Intuity cbvevsw% Intui
ty cbvevsw% Mon Jan 16 15:27:10 EST 1995
Intuity cbvevsw% Intuity cbvevsw% Intuity cbvevsw% )
(EOF):
```

Figure 1-32.   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 AUDIX system:

■ Class-of-service data

■ User lists

■ User 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 AUDIX 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 1-33).

```
==== 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 Suscriber List        Completed             120
Get Suscriber Info        Completed             0
Convert COS               Completed             12
Convert Local Subscribers Completed             0
Press enter to continue...
```

Figure 1-33.   **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 users being migrated and the status of the user migration.

- The `Get Subscriber Info` field is used to indicate the number of users 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 user 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 1-34).

```
==== 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 1-34.   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.

Task 11 - Check the Log File

Once the data transfer has successfully completed, you must check the migration log file to see what errors may have occurred.

To check the migration log file:

1. Select option **5**, Display Logfile.

   The system responds with the log file (Figure 1-35).

```
==== 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 ] : 5
RESTART CONVERT
"234-3781" "def" "n" "43781" \\ call-answer "n" fifo fifo "nuo" "daunf" 5 200 20
0 24 24 25 \\ 200 1200 0 extension 10 10 5 10 \\ \\ 1 "" "" "n" "" "" 1 "n" "n"
none "43781" "" \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ 0 5
: error 1023 at field 0 code 25
"234-3782" "def" "n" "43782" \\ call-answer "n" fifo fifo "nuo" "daunf" 5 200 20
0 24 24 25 \\ 200 1200 0 extension 10 10 5 10 \\ \\ 1 "" "" "n" "" "" 1 "n" "n"
none "43782" "" \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\
\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ 0 5
: error 1023 at field 0 code 25
"234-3787" "def" "n" "43787" \\ call-answer "n" fifo fi
```

Figure 1-35.   Migration Log File Display

2. Press (ENTER) to page down through the errors. Note the telephone numbers that begin each log file record and the associated error codes. If you have a printer connected to the Lucent INTUITY system terminal, you can print the screens as you scroll. See "How to Print the Log File".

➤ **NOTE:**
   To exit the log file before you reach the end, enter **q**.

Appendix 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 AUDIX system.
bad field	Quotation marks appear in a user'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 1-36).

```
==== 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 1-36.   Migration Menu

7. Enter **6**.

The system responds with the Lucent INTUITY main menu.

How to Print the Log File

To print the logfile:

1. Connect a printer to your Lucent INTUITY terminal using the appropriate port for your parallel or serial printer.

   You can connect any of the following printers:

   - AT&T 570 series of terminals

   - AT&T 593

   - AT&T 595]

   - NCR 6417

   ➡ **NOTE:**
   If you connect a serial printer to the DTE connection on a 715 terminal, you must use a null modem cable between the terminal and the printer.

2. From the AUDIX R1 Migration Using ADAP menu, select option **5**.

   The system responds with the log file (Figure 1-37).

```
==== 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 ] : 5
RESTART CONVERT
"234-3781" "def" "n" "43781" \\ call-answer "n" fifo fifo "nuo" "daunf" 5 200 20
0 24 24 25 \\ 200 1200 0 extension 10 10 5 10 \\ \\ 1 "" "" "n" "" "" 1 "n" "n"
none "43781" "" \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \
\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ 0 5
: error 1023 at field 0 code 25
"234-3782" "def" "n" "43782" \\ call-answer "n" fifo fifo "nuo" "daunf" 5 200 20
0 24 24 25 \\ 200 1200 0 extension 10 10 5 10 \\ \\ 1 "" "" "n" "" "" 1 "n" "n"
none "43782" "" \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \
\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ 0 5
: error 1023 at field 0 code 25
"234-3787" "def" "n" "43787" \\ call-answer "n" fifo fi
```

Figure 1-37.   **Migration Log File Display**

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 1-38).

```
==== 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 1-38.   Migration Menu

6. Enter **6**.

The system responds with the Lucent INTUITY main menu.

Task 12 - **Verify the Transfer of Data**

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

- List of users

- List of remote users (if any)

- Two class-of-service numbers

- Six user extensions (well-spaced throughout the range of extensions you transferred)

- Six remote AMIS users (if any)

At the Lucent INTUITY main menu, select AUDIX Administration.

The system responds with a blank AUDIX Administration screen (Figure 1-39).

```
AUDIX            Active           Alarms: MmwA                Logins: 5








enter command:
```
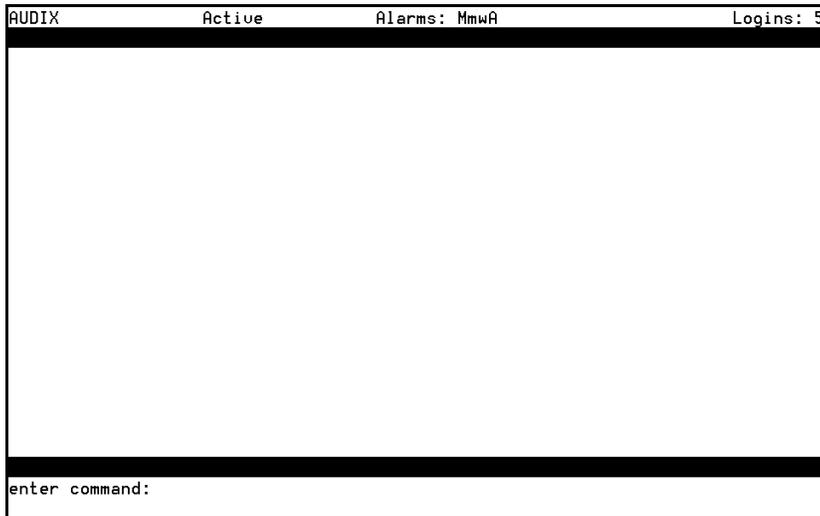
Figure 1-39.   Audix Administration Screen

List of Users

1. Enter **li e**.

   The system responds with the List Extension screen (Figure 1-40).

```
AUDIX            Active            Alarms: MmwA              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, 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 1-40. List Extension Screen

2. To approximate the number of users in the list, count the number of pages by pressing (NEXTPAGE) (NextPage) until you get to the end. Multiply the number by 19. If the total is less than 90% of the users 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 AMIS Users

1. Enter **li re _machine- name_**.

   ➡️ **NOTE:**
   Machine-name is the AMIS machine whose users you are checking.

   The system respond with the List Remote Extensions screen (Figure 1-41).

```
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 1-41.   List Remote Extensions Screen

2. To approximate the number of users 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 users 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 Ⓕ1 (Cancel) to return to the command line.

4. Enter **exit**.

   The system returns to the Lucent INTUITY main menu.

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 1-42 and Figure 1-43).

```
AUDIX            Active          Alarms: MmwA                 Logins: 4
change cos 1                                               Page 1 of 2
                           CLASS OF SERVICE


            Name: class01        COS Number: 1          Modified? n
Addressing Format: extension


                                  Login Announcement Set: System
System Multilingual is OFF      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? n          Broadcast: none      IMAPI Access? n
  IMAPI Message Transfer? n      Fax Creation? n    Trusted Server Access? n




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

Figure 1-42.   Class of Service Screen 1

```
AUDIX            Active          Alarms: MmwA              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 1-43.   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.

User Extensions

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

    ➡ **NOTE:**
    Extension is a user extension you are checking.

    The system responds with the Subscriber screens (Figure 1-44 and Figure 1-45).

.

```
AUDIX            Active           Alarms: MmwA              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 1-44. Subscriber Screen

```
AUDIX           Active          Alarms: MmwA              Logins: 4
change subscriber 80070                                  Page 2 of 2
                  SUBSCRIBER CLASS OF SERVICE PARAMETERS
Addressing Format: extension          Login Announcement Set: System
System Multilingual is OFF       Call Answer Primary Annc. Set: System
Call Answer Language Choice? n  Call Answer Secondary Annc. Set: System

PERMISSIONS
      Type: call-answer     Announcement Control? y          Outcalling? n
       Priority Messages? y            Broadcast: none      IMAPI Access? y
 IMAPI Message Transfer? y         Fax Creation? y  Trusted Server Access? y

INCOMING MAILBOX          Order: fifo           Category Order: nuo
 Retention Times (days),   New: 10      Old: 10        Unopened: 10
OUTGOING MAILBOX          Order: fifo           Category Order: unfda
Retention Times(days), File Cab: 10     Delivered/Nondeliverable: 5

Voice Mail Message (seconds),  Maximum Length: 300  Minimum Needed: 32
Call Answer Message (seconds), Maximum Length: 120  Minimum Needed: 8
       End of Message Warning Time (seconds):
         Maximum Mailing Lists: 25     Total Entries in all Lists: 250
Mailbox Size (seconds), Maximum: 1200              Minimum Guarantee: 0


enter command: change subscriber 80070
1Cancel   2Refresh  3Enter    4ClearFld 5Help    6Choices  7NextPage 8PrevPage
```

Figure 1-45.   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 "Task 11 - Check the Log File" procedure for further information.

3. Repeat steps 12 and 13 for five other users.

4. Press [F1] (Cancel) to return to the command line.

Remote User Extensions

1. Enter **ch re *name*.**

➡ **NOTE:**
Name is the name of a remote user you are checking.

The system responds with the Remote Subscriber screen (Figure 1-46).

```
drmid11          Active          Alarms: MmwA                   Logins: 3
change remote-subscriber drmid10 36108                      Page 1 of 1
                          REMOTE SUBSCRIBER

Subscriber Name: adler,sharon                 Extension: 36108
   Machine Name: drmid10
        Address: 36108

        Community ID: 1
        Administered? y
         Voiced Name? y
Non-Administered Type:                   Last Usage Date: 01/20/96




enter command: change remote-subscriber drmid10 36108
1Cancel    2Refresh  3Enter    4ClearFld 5Help      6Choices  7NextPage 8PrevPage
```

Figure 1-46.   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 1 and 2 for five other remote users.

4. Press ⌨F1⌨ (Cancel) to return to the command line.

Task 13 - Administer the Switch

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

Standard Migration

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

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

- *Lucent INTUITY Integration with System 75, DEFINITY Communications System Generic 1 and 3*

- *Lucent INTUITY Integration with System 85 and DEFINITY Communications System Generic 2*

- *Lucent INTUITY Messaging Solutions R4.0 MAP/40 and MAP/40s Installation* or *Lucent INTUITY Messaging Solutions R4.0 MAP/100 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.	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 Lucent INTUITY system. (Optional) ■ These new voice ports will allow users 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. ➡ **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.	■ System 75, G1, and G3 - Chapters 3, 4, or 5 in the associated Lucent INTUITY Switch Integration book ■ System 85 and G2 - Chapter 3 in the associated Lucent INTUITY Switch Integration book
2.	Create a new AUDIX R1 hunt group. ■ This creates a new telephone number users 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.	■ For System 75, G1, and G3 - Chapters 3, 4, or 5 in the associated Lucent INTUITY Switch Integration book ■ For System 85 and G2 - Chapter 3 in the associated Lucent INTUITY Switch Integration book

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

Task	Description	Reference
3.	Create two test user stations with the existing AUDIX R1 coverage path. ■ This lets you test the switch connections and the INTUITY AUDIX system before putting it into service for real users. Use the extensions of these stations when you add test users on the INTUITY AUDIX system.	■ For System 75, G1, and G3 - Chapter 8 in the associated Lucent INTUITY Switch Integration book ■ For System 85 and G2 - Chapter 6 in the associated Lucent INTUITY Switch Integration book

Tandem Migration

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

Table 1-5 lists the tasks necessary for administering the switch on the Lucent INTUITY system for a tandem migration. This table assumes that the customer will want a subset of users to continue using the AUDIX R1 system along the Lucent 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 Lucent INTUITY system you will be administering, you will need the following books to help you complete these tasks:

■ *Lucent INTUITY Integration with System 75, DEFINITY Communications System Generic 1 and 3*

■ *Lucent INTUITY Integration with System 85 and DEFINITY Communications System Generic 2*

■ *Lucent INTUITY Messaging Solutions R4.0 MAP/40 and MAP/40s Installation* or *Lucent INTUITY Messaging Solutions R4.0 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.	Create INTUITY AUDIX voice ports. 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.	■ For System 75, G1, and G3 - Chapters 3, 4, or 5 in the associated Lucent INTUITY Switch Integration book ■ For System 85 and G2 - Chapter 3 in the associated Lucent INTUITY Switch Integration book
2.	Create an INTUITY AUDIX hunt group. ■ This creates a new phone number users 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.	■ For System 75, G1, and G3 - Chapters 3, 4, or 5 in the associated Lucent INTUITY Switch Integration book ■ For System 85 and G2 - Chapter 3 in the associated Lucent INTUITY Switch Integration book
3.	Create two test user stations and a coverage path to the INTUITY AUDIX system. ■ This lets you test the switch connections and the INTUITY AUDIX system before putting it into service for real users. Use the extensions of these stations when add test users on the INTUITY AUDIX system.	*Lucent INTUITY Messaging Solutions R4.0 MAP/40 and MAP/40s Installation* or *Lucent INTUITY Messaging Solutions R4.0 MAP/100 Installation*

Task 14 - Cable the Lucent INTUITY System

Once the migration from the AUDIX R1 system to the Lucent INTUITY system has been successfully completed, you must cable the Lucent 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 Lucent INTUITY system to the switch. Therefore, you must cable the Lucent 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 Lucent 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. ■ This lets you remove the voice port cabling.	■ For System 75, G1, and G3 - Chapters 3, 4, or 5 in the associated Lucent INTUITY Switch Integration book ■ For System 85 and G2 - Chapter 3 in the associated Lucent 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 Lucent 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.	*AUDIX Installation*
6.	Connect the BX.25 cabling to the INTUITY AUDIX system.	*Lucent INTUITY Messaging Solutions R4.0 MAP/40 and MAP/40s Installation* or *Lucent INTUITY Messaging Solutions R4.0 MAP/100 Installation*
7.	Turn on the Lucent INTUITY machine and log on ■ This puts the Lucent INTUITY system into service for the test stations.	*Lucent INTUITY Messaging Solutions R4.0 MAP/40 and MAP/40s Installation* or *Lucent INTUITY Messaging Solutions R4.0 MAP/100 Installation*
8.	Connect the AUDIX R1 cabling to the new AUDIX R1 voice ports	*AUDIX Installation*

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 Lucent 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 Lucent 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.	*Lucent INTUITY Messaging Solutions R4.0 MAP/40 and MAP/40s Installation* or *Lucent INTUITY Messaging Solutions R4.0 MAP/100 Installation*
5.	Turn on the Lucent INTUITY machine and log on.	

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

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

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

Task Description	Reference
Assign the new coverage path to each user station you are moving at installation ■ This causes access to user 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, users can still call the old AUDIX number for old messages.	■ For System 75, G1, and G3 - Chapter 9 in the associated Lucent INTUITY Switch Integration book ■ For System 85 and G2 - Chapter 7 in the associated Lucent 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 Lucent INTUITY main menu, select:

> Customer/Services Administration

>System Management

>UNIX Management

>Software Remove
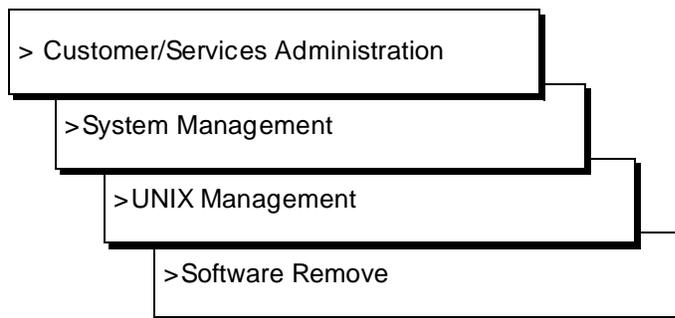
The system responds with the Installed Software List (Figure 1-47) appears:

```
41  lp          Printer Support
                (386) 1
42  machlog     INTUITY AUDIX Logger Package
                (i486) i.1.0
43  maint       INTUITY Maintenance Package
                (i486) i.1.0
44  memdrvr     Memory driver edition C (CMemdrvr) from Microport
                (486) i.1.0
45  mig         Migrations
                (AUDIX) 4.0-8
46  mouse       BUILT INTO THE BASE, CANNOT BE REMOVED.
                ()
47  mtce        INTUITY Utilities Package
                (i486) i.1.0
48  multiusr    Multi-user Set
                (386) 1
49  netcmds     Commands Networking Extension
                (386) 1
50  netw        Intuity Networking
                (486) 4.0-6

... 33 more menu choices to follow;
<RETURN> for more choices, <CTRL-D> to stop display:
```

Figure 1-47.   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:

    Do you want to remove this package [y,n,?,q]

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 Lucent INTUITY main menu.

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

See *AUDIX Installation* for information on this task.

Task 18 - **Continue with Additional Installation Tasks**

To complete the migration, you (or the customer) must complete a number of additional installation tasks. These may include:

- Administering additional languages

- Testing alarms

- Administering remote terminals

- Administering modems

- Administering printers

- Backing up the system

- Administering analog networking

- Administering digital networking

- Administering remote machines

If the customer is responsible for these tasks, give the customer all printouts from the AUDIX R1 system to assist in readministering the new system.

For more information, see *Lucent INTUITY Messaging Solutions R4.0 MAP/40 and MAP/40s Installation* or *Lucent INTUITY Messaging Solutions R4.0 MAP/100 Installation*.

In addition, if the customer has digital networking, the customer should manually run remote updates after digital networking has been readministered.

Enhanced AUDIX R1 Migration

2

Overview

⚠ CAUTION:
> *You must complete migration procedures for migrating user data from AUDIX R1 to the Lucent INTUITY system before you begin the Enhanced AUDIX R1 Migration.*

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

⟹ NOTE:
> All migrated messages become new messages on the Lucent INTUITY system.

Once migration is complete, the Lucent INTUITY system replaces the AUDIX R1 system. The AUDIX R1 may be left connected temporarily so that users can listen to any messages stored by the AUDIX R1 before the Lucent 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 Lucent 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. The system is unavailable for login and will not handle call answer.

⟹ **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 users are not migrated. Messages contained in a mailbox file cabinet are also not migrated. To migrate messages contained in a file cabinet, the user must re-send these filed messages to themselves prior to the enhanced migration.

For information regarding the planning, pre-administration and post-administration of the enhanced migration for users, refer to *Lucent INTUITY Messaging Solutions Release 4 Planning for Migrations* (585-310-606).

Materials and Information Needed

You need the following items to successfully complete an enhanced migration from AUDIX R1 to Lucent INTUITY:

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

You will also need the following books:

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

Calculating Migration Time

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

> **NOTE:**
> The system administrator will provide you with what data types will be migrated. For more information, see *Lucent INTUITY Messaging Solutions Release 4 Planning for Migrations*, 585-310-606.

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

> **NOTE:**
> The procedures in the first four steps are dependent on the number of ports or channels used for the migration. Therefore, these steps are calculated first and then divided by the number of ports. The procedures following the first five steps are not port dependent.

Step 1 - Calculating Personal Greetings

a. If migrating personal greetings, log in to the AUDIX R1 machine and access the Traffic:Feature:Day screen (Figure 2-1).

```
PERFS1 STATUS:  alarms: MmwA, logins: 1, thresholds: none
 PATH: traffic : feature : day
starting date (mmddyy): _____   ending time (hhmm):
        (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

b. Note the number of local users.

c. If single greetings are enabled, multiply .1 minutes (6 seconds) by the number of local users.

d. If multiple greetings are enabled and greetings are recorded, multiply 1 minute (60 seconds) by the number of users (Step 1b).

e. Record the result of Steps a though d.

➡ **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 user.

— Delete all greetings on the AUDIX R1 and request that the users re-record their greetings on the Lucent INTUITY system.

— Have a few designated users keep their greetings and all others delete theirs. The greetings that are kept will be migrated. Users will have to re-record all others on the Lucent INTUITY system.

Step 2 - Calculating Messages

a. If migrating messages, log in to the AUDIX R1 machine and access the Traffic:Load:Day screen (Figure 2-2).

```
 PATH: traffic : load : day
starting date (mmddyy):  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;Heduled:
```

Figure 2-2.   Traffic:Load:Day Screen

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

c. Multiply the number of blocks by 8.

d. Divide the seconds of voice data (Step 2c) by 60. This equals the voice minutes.

e. Record the result of Steps 2a through 2d.

Step 3 - Calculating Names

    a. Plan 1 minute per user overhead time for recording names. Multiply the number of users (Step 1b) by 1 to calculate user overhead time in minutes.

    b. Record the result of Step 3a.

Step 4 - Calculating User Overhead Time

If *any voice data is migrated*, user overhead time *must be calculated*.

    a. Plan 1 minute per user for user overhead time (logging into AUDIX mailbox). Multiply number of users (Step 1b) by 1 to calculate user overhead time in minutes.

    b. Record the result of Step 4a.

Step 5 - Calculating the Port-Dependent Procedures

    a. Add the results for Steps 1e, 2e, 3b, and 4b.

    b. Multiply the number of ports (or channels) used for the migration by 60. (This is to find the hours per port.)

> **➡ NOTE:**
> The total number of ports that can be used for the migration is 16. If you are planning on migrating names, a maximum of 12 ports can be used.

    c. Divide the result in Step 5a by Step 5b. This is the time, in hours, for the migration of port-dependent procedures.

Step 6 - Calculating Time to Change User Passwords

If *any voice data is migrated*, time to change user passwords on AUDIX R1 *must be calculated* .

    a. Log in to the AUDIX R1 machine and access the Traffic:Feature:Day screen (Figure 2-1).

    b. Add the number of local, remote, and non-administered users.

    c. Divide the number of users (Step 6b) by 4 (the number of passwords migrated per minute); this is the time, in minutes, for password conversion.

    d. Divide the total time, in minutes (Step 6c) by 60; this is the total time, in hours, for password conversion.

Step 7 - Calculating Mailing Lists

➡ **NOTE:**
The migration of mailing lists can be done while AUDIX is in-service and does not add to system downtime. However, is does effect the amount of time the technician is on site.

a. Multiply the total number of users (Step 6b) by 1.2. This is the total number of mailing lists.

b. Divide the total in Step 7a by 10 (number of mailing lists transferred in one minute).

c. Divide the total number of users (Step 7a) by 25 minutes (the time taken for user file data extraction).

d. Add Step 7b to 7c.

e. Add 20 minutes to the sum of Step 7d. This is the overhead time for data extraction and transfer.

f. Divide Step 7e by 60 (to convert minutes to hours).

g. If using digitally networked machines, perform Step 8 and add Step 8e here.

Step 8 - Calculating the Remote Update Time of
Digitally Networked Machines (for Mailing Lists)

a. Log in to the AUDIX R1 machine and access the List Machine window (Figure 2-3).

```
drintuit          Active              Alarms:  mwA                    Logins: 2
list machines                                                             Page 1
                                LIST MACHINES


              Machine       Machine Type    Voice ID   Callback No.
              APSTT01       amisac             5            1
              BCST          VEX               10            1
              CBINTUIT      VEX               19            1
              MTAIRY2       VEX               12            1
              MTAIRY40      VEX               21            1
              NCSC          VEX               13            1
              SCSSO         VEX               14            1
              ac_local      calld             20            1
              alphaudix     amisac             6            1
              apaudix5pa    amisac            18            1
              area_10       calld             24            1
              area_212      calld             26            1




Press [NextPage], [PrevPage] or [Cancel]
enter command: list machines
```

Figure 2-3.   List Machines Window

b. List digitally networked machines (DCP and RS-232 connection types).

> **NOTE:**
> VEX, AUDIX R1, and DEFINITY AUDIX digitally networked machines are administered as part of the standard migration. Ignore machines with AMIS type connections.

c. Access the Traffic:Feature:Day screen (Figure 2-1) for an estimate of the number of local users for each machine.

d. Multiply .1 minute (6 seconds) by the number of users for each machine.

e. Add the total minutes (Step 8d) for each machine (Step 8b) and divide by 60 to convert to hours.

Step 9 - Calculating Total Time for Enhanced Migration

a. Record the total from Step 5c for migrating personal greetings, messages, names, and user overhead.

b. Record the hours from Step 6d for passwords.

c. Add 1.5 hours of general overhead time for the following:

— powering AUDIX R1 down

— installing the TN535

— powering AUDIX R1 up

— writing down and verifying the touch tone patch

— setting up user class of service parameters and restore functions

d. Add Steps 9a, 9b, and 9c. This represents the estimated downtime for the AUDIX R1 enhanced migration.

e. Add hours from Step 7f or 7g (whichever applies) for mailing lists.

Example of a Time Estimate Calculation

Use Steps 1 through 9 in "Calculating Migration Time" to calculate a migration based on the following parameters:

- Mailing lists, names, and messages will be migrated, but not greetings
- 12 channels
- 1000 local users
- No remote users
- No nonadministered remote users
- 10,000 voice text blocks
- An average of 1.2 mailing lists per user
- 4 passwords per minute are converted
- 10 mailing lists per minute can be migrated
- The machines are not digitally networked

1. Greetings are not being migrated. No time should be calculated in Step 1.

2. Calculate the message migration time.

    a. Multiply the voice text blocks by 8 seconds.

       10,000 x 8 = 80,000 seconds

    b. Divide the seconds of voice data by 60 (to convert seconds to minutes).

       80,000/60 = 1333 minutes

3. Calculate the name migration time.

   Multiply the number of local users by 1 minute.

       1000 x 1 = 1000 minutes

4. Calculate the user overhead time.

   Multiply the number of local users by 1 minute.

       1000 x 1 = 1000 minutes

5. Calculate the port-dependent procedures.

    a. Add the minutes of message migration to the minutes of name migration to the minutes of general overhead time.

       1333 + 1000 + 1000 = 3333 minutes

    b. Multiply the number of ports by 60 to convert the minutes for navigation to hours per port.

       12 x 60 = 720 port minutes per hour

    c. Divide the minutes for migration by hours per port.

       3333/720 = 4.5 hours per port

6. Calculate the password migration time.

    a. Add the local, remote, and nonadministered users.

       1000 + 0 + 0 = 1000

    b. Divide the number of users by 4.

       1000/4 = 250 minutes

    c. Divide the total minutes for password conversion by 60 to convert minutes to hours.

       240/60 = 4 hours

7. Calculate the mailing list migration time.

    a. Multiply the number of users by 1.2

       1000 x 1.2 = 1200

b. Divide the total number of mailing lists by 10 (the number of mailing lists migrated per minute).

1200/10 = 120 minutes

c. Divide the total number of users by 25. This equals the approximate amount of time for the user file data extraction.

1000/25 = 40 minutes

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

120 + 40 = 160 minutes

e. Add 20 minutes for overhead 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 minutes

f. Divide this total by 60. This equals the total amount of time, in hours, for mailing list migration.

180/60 = 3 hours

8. The machines are not digitally networked. No time should be calculated in Step 8.

9. Calculate the total time for the enhanced migration.

a. Add the total for migrating message, names, user overhead (Step 5c) to time for migrating passwords (Step 6c).

4.5 hours + 4 hours = 8.5 hours

b. Add 1.5 hours for general overhead time.

8.5 hours + 1.5 hours = 10 hours

⇒ **NOTE:**
The hours in Step 9d (10 hours) represents the estimated downtime for the AUDIX R1 enhanced migration. However, this does not include the time to migrate the mailing lists. The mailing lists are migrated while AUDIX is in service but increases the time the technician must be on site.

c. Add the time for migrating mailing lists (Step 7f).

10 hours + 3 hours = 13 hours

Based on this calculation the estimated downtime for the AUDIX R1 enhanced migration would be 10 hours. The migration of data would take 13 hours.

Enhanced AUDIX R1 Migration Checklist

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

Table 2-1.   Enhanced AUDIX R1 Migration Checklist

Task	Description	✔
1.	Migrate the users from the AUDIX R1 to the Lucent 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:** Complete this task only if you are migrating digitally networked remote AUDIX R1 machines.	
4.	Get a list of remote machine names. **➡ NOTE:** Complete this task only if you are migrating digitally networked remote AUDIX R1 machines.	
5.	Verify that the machine type on all digitally networked remote machines has been changed to Lucent INTUITY. **➡ NOTE:** Complete this task only if you are migrating digitally networked remote AUDIX R1 machines.	
6.	Execute the **Get Remote Machine Update**. **➡ NOTE:** Complete this task only if you are migrating digitally networked remote AUDIX R1 machines.	

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

Task	Description	✔
7.	Verify the Trusted Servers and INTUITY Messaging Application Programming Interface (IMAPI) parameters set-up.	
8.	Verify that the AUDIX R1 system administrator has run the Subscriber Data Audit. ➡ **NOTE:** Complete this task only if mailing lists are to be migrated.	
9.	Back-up all data on the AUDIX R1 machine. ➡ **NOTE:** Refer to *AUDIX Administration* for instructions.	
10.	Migrate the mailing list data.	
11.	Install the enhanced migration software.	
12.	Reboot the Lucent INTUITY system.	
13.	Disable outcalling on the AUDIX R1 machine. ➡ **NOTE:** Refer to *AUDIX Administration* 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 Lucent INTUITY ports in service should equal the number of ports in service on the AUDIX R1 machine. A maximum of 16 ports are available for the enhanced migration unless you are migrating names. If you are migrating names, only 12 ports can be used.	
15.	Delete the broadcast message mailbox on the AUDIX R1 machine. ➡ **NOTE:** Refer to *AUDIX Administration* for instructions.	

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

Task	Description	✔
16.	Power down the AUDIX R1 machine. ➡ **NOTE:** Refer to *AUDIX Maintenance for Tier 1* for instructions.	
17.	Install the TN535 procmon circuit card.	
18.	Power up the AUDIX R1 machine. ➡ **NOTE:** Refer to *AUDIX Maintenance for Tier 1* for instructions.	
19.	Activate the Touch Tone Interface on the AUDIX R1 machine.	
20.	Set up a "special" user on the Lucent INTUITY system. ➡ **NOTE:** This user will be considered the "sender" of all messages being migrated to the Lucent INTUITY system.	
21.	Record a name for the "special" user and configure the special user'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 users 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 Lucent INTUITY. Refer to *AUDIX Administration* 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.	

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

Task	Description	✔
26.	Verify that the hunt group number on the Lucent INTUITY system is the same number that users previously used to access the AUDIX R1 machine.	
27.	Remove the trusted server and have the remote maintenance center restore the IMAPI system-parameters on the Lucent INTUITY system to their previous settings.	
28.	Stop the Lucent INTUITY voice system.	
29.	Remove the Enhanced AUDIX R1 migration software.	
30.	Reboot the Lucent 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 *AUDIX Administration* for instructions.	
32.	Power down the AUDIX R1 machine. **➡ NOTE:** Refer to *AUDIX Maintenance for Tier 1* for instructions.	
33.	Remove the TN535 procmon circuit card.	
34.	Power up the AUDIX R1 machine. **➡ NOTE:** Refer to *AUDIX Maintenance for Tier 1* for instructions.	
35.	Administer the switch.	
36.	Cable the Lucent INTUITY system and recable the AUDIX R1 machine.	

Task 1 - Migrate the AUDIX R1 Users

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

For further information on the user migration, see Chapter 1, "Migrating from AUDIX R1".

> **NOTE:**
> Leave the migration software package previously installed for the AUDIX R1 migration of users in place so that the enhanced migrations can be completed.

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

Task 2 - Set Up the Switch

Figure 2-4 illustrates how to set up the switch for the enhanced migration of user voice data and mailing lists from the AUDIX R1 to the Lucent INTUITY system. For further information on switch integration, see the customer's switch book.

➡ **NOTE:**

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

The diagram below illustrates the user voice data migration setup.

SWITCH

Old AUDIX R1
hunt group (ext. 84000)

AUDIX
coverage path
to 84000

To get
old messages
dial 87100

Intuity AUDIX
hunt group
(6 ports;
ext. 84000)

New
AUDIX R1
hunt group
(6 ports;
ext. 87100)

BX25
card

Subscribers with
extensions between
84100-84999

Subscribers with
extensions between
85100-85999

Intuity AUDIX

with new mailboxes
for 84100-84999
and 85100-85999

All new calls come here.

AUDIX R1

with old mailboxes
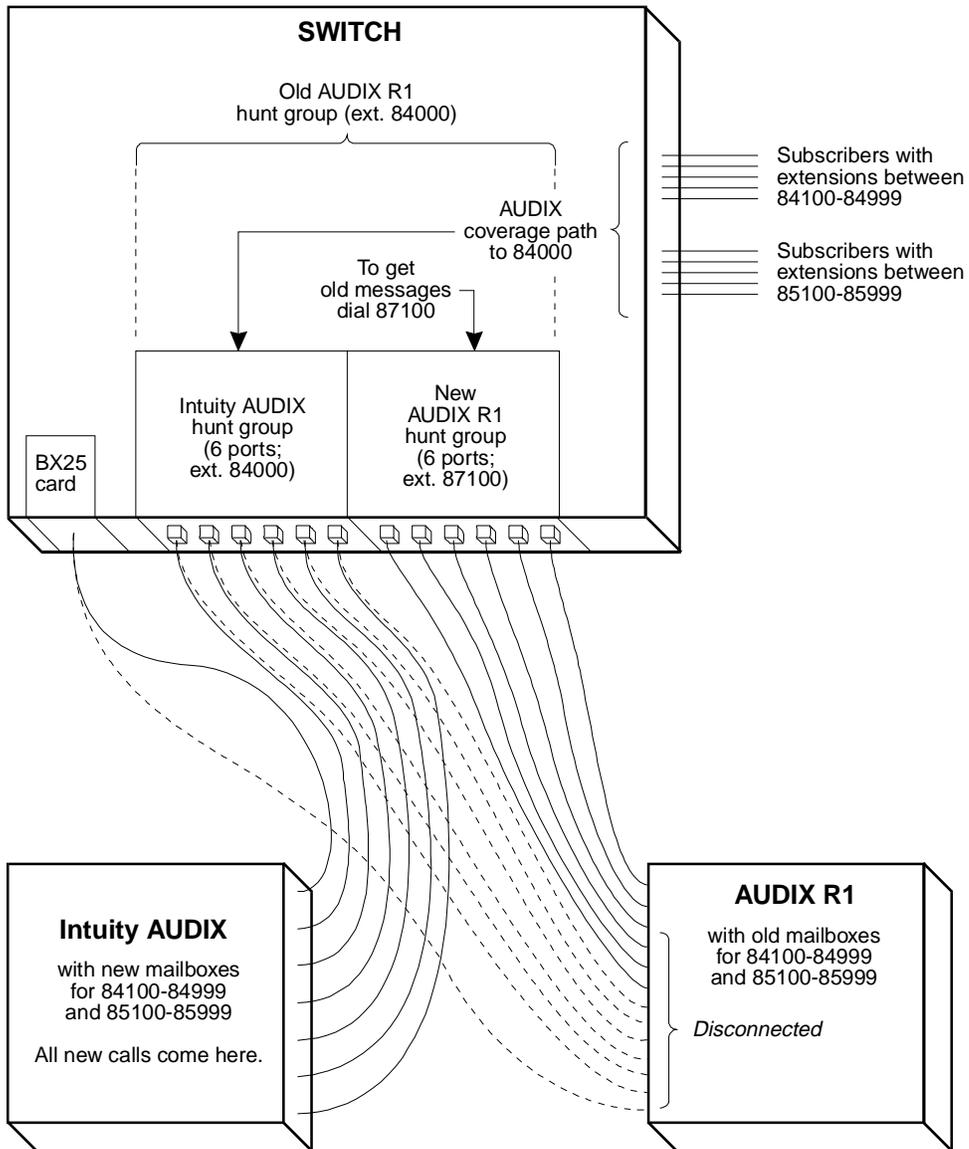for 84100-84999
and 85100-85999

Disconnected

Figure 2-4.   User 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 Lucent INTUITY system.

> **NOTE:**
> Complete this task only if you are migrating digitally networked remote AUDIX R1 machines.

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

Task 4 - Get the Remote AUDIX R1 Machine Names

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

➡ **NOTE:**
Complete this task only if you are migrating digitally networked remote AUDIX R1 machines.

1. Log in to the Lucent INTUITY system using the craft login.

The system displays the Lucent INTUITY Main menu (Figure 2-5).

```
        INTUITY (TM) Main Menu

AUDIX Administration
Customer/Services Administration
Networking Administration
Upgrade
Voice System Administration
```
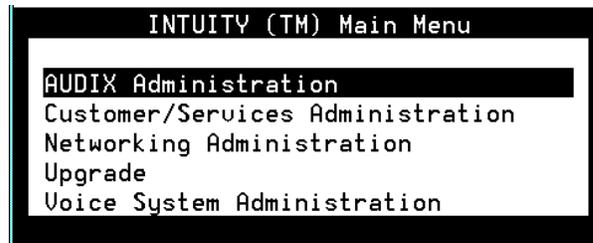
Figure 2-5.   Lucent INTUITY Main Menu

2. From the Lucent INTUITY Main menu, select:

```
> AUDIX Administration
```

The system displays the AUDIX Administration screen (Figure 2-6).

```
AUDIX            Active          Alarms: MmwA              Logins: 2
████████████████████████████████████████████████████████████████████████████████████





















████████████████████████████████████████████████████████████████████████████████████
enter command:
```

Figure 2-6.   AUDIX Administration Screen

3. Enter **list machines**

The system displays the List Machines window (Figure 2-7).

```
drintuit          Active            Alarms:  mwA                    Logins: 2
list machines                                                         Page 1
                              LIST MACHINES


          Machine       Machine Type    Voice ID    Callback No.
          APSTT01       amisac            5              1
          BCST          VEX              10              1
          CBINTUIT      VEX              19              1
          MTAIRY2       VEX              12              1
          MTAIRY40      VEX              21              1
          NCSC          VEX              13              1
          SCSS0         VEX              14              1
          ac_local      calld            20              1
          alphaudix     amisac            6              1
          apaudix5pa    amisac           18              1
          area_10       calld            24              1
          area_212      calld            26              1




Press [NextPage], [PrevPage] or [Cancel]
enter command: list machines
```
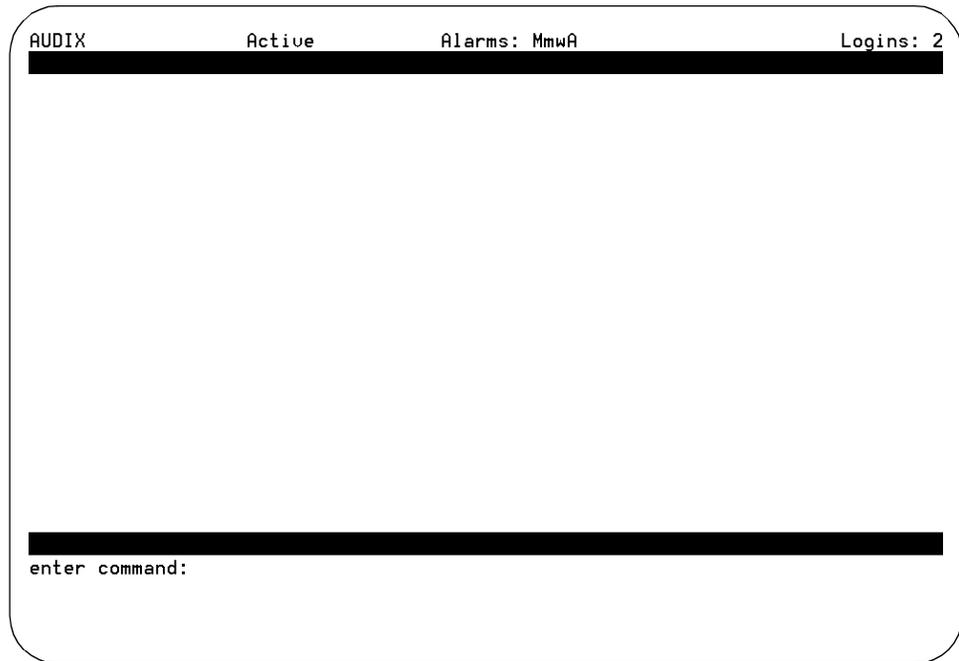
Figure 2-7.   List Machines Window

4. Print a copy of all of the screens associated with this list.

5. Press (CANCEL) (F1) twice to return to the AUDIX Administration screen command line.

Task 5 - **Verify the Remote Digitally Networked Machine Type**

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

1. Use the print-out made of the List Machines window in Task 4 to check the machine type of all digitally networked machines.

2. Change only those machines listed as VEX or r1 machine types.

If Changing Machine Type on Remote Digitally Networked Lucent INTUITY Release 2

To update the machine type on digitally networked remote Lucent INTUITY Release 2 machines:

1. Log in to the Lucent INTUITY system using the craft login.

The system displays the Lucent INTUITY Main menu (Figure 2-5).

2. From the Lucent INTUITY Main menu, select:

```
>Networking Administration
    >Remote Machine Administration
        >Digital Network Machine Administration
```

The system displays the Digital Network Machine Administration screen with blank fields.

3. Type the name of the machine being migrated and press Enter.

4. Press enter until you reach the Machine Type field.

5. Press (CHOICES) (F2).

   The options in the Machine Type field are:

   ■ audix

   ■ intuity

6. Select intuity and press enter.

7. Press (CHG-KEYS) (F8).

8. Press (CHANGE) (F3).

9. Press (CHG-KEYS) (F8).

10. Press (CANCEL) (F6).

If Changing Machine Type on Remote Digitally Networked Lucent INTUITY Release 3

To update the machine type on digitally networked remote Lucent INTUITY Release 3 machines:

1. Log in to the Lucent INTUITY system using the craft login.

The system displays the Lucent INTUITY Main menu (Figure 2-5).

2. From the Lucent INTUITY Main menu, select:

```
>Networking Administration
    >Remote Machine Administration
        >Digital Network Machine Administration
```

The system displays the Digital Network Machine Administration screen with blank fields.

3. Type the name of the machine being migrated and press Enter.

4. Press enter until you reach the `Machine Type` field.

5. Press (CHOICES) (F2).

   The options in the `Machine Type` field are:

   ■ `audix`

   ■ `intuity 1.0 or 2.0`

   ■ `intuity 3.0 or later`

   ■ `definity audix`

6. Select `intuity 3.0 or later` if you are migrating to Lucent INTUITY Release 3.0 and press enter.

7. Press (CHG-KEYS) (F8).

8. Press (CHANGE) (F3).

9. Press (CHG-KEYS) (F8).

➡ **NOTE:**
If you are migrating to Lucent INTUITY 3.0 or 4.0, verify that the field `Send Multimedia in Messages (e.g. fax)?` is set to `y` for `yes` if fax should be enabled.

10. Press (CANCEL) (F6).

If Changing Machine Type on Remote Digitally
Networked Lucent INTUITY Release 4

To update the machine type on digitally networked remote Lucent INTUITY
Release 4 machines:

1. Log in to the Lucent INTUITY system using the craft login.

The system displays the Lucent INTUITY Main menu (Figure 2-5).

2. From the Lucent INTUITY Main menu, select

```
>Networking Administration

    >Remote Machine Administration

        >Digital Network Machine Administration
```

The system displays the Digital Network Machine Administration screen with
blank fields.

3. Type the name of the machine being migrated and press Enter.

4. Press enter until you reach the `Machine Type` field.

5. Press (CHOICES) (F2).

   The options in the `Machine Type` field are:

   ■ `audix`

   ■ `intuity 1.0 or 2.0`

   ■ `intuity 3.0`

   ■ `intuity 4.0 or later`

   ■ `definity audix`

6. Select the Lucent INTUITY Release you are migrating to and press enter.

7. Press (CHG-KEYS) (F8).

8. Press (CHANGE) (F3).

9. Press (CHG-KEYS) (F8).

> **NOTE:**
> If you are migrating to Lucent INTUITY 3.0 or 4.0, verify that the field `Send
> Multimedia in Messages (e.g. fax)?` is set to `y` for `yes` if fax
> should be enabled.

10. Press (CANCEL) (F6).

If Changing Machine Type on Remote Digitally Networked DEFINITY AUDIX

To update the machine type on digitally networked remote DEFINITY AUDIX machines:

1. Log in to the DEFINITY AUDIX system using the craft login.

2. Type **change *machine name*** where *machine name* is the remote machine name and press enter

The system displays the system screen with blank fields.

3. Press enter until you reach the `Machine Type` field.

4. Press (CHOICES) (F6).

   The options in the `Machine Type` field are:

   ■ `r1 audix`

   ■ `audix`

5. Select `audix` and press enter.

6. Press (ENTER) (F3).

Task 6 - Execute Get Remote Machine Update

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

> ➡️ **NOTE:**
> Complete this task only if migrating digitally networked remote AUDIX R1 machines.

1. Enter **get remote-update *machine name*** where *machine name* is the remote machine name.

   The system displays the Remote Update Request screen (Figure 2-8).

```
drintuit            Active            Alarms:  mwA                    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 2-8.   Remote Update Request Screen

2. Repeat Step 1 for each remote machine you must update. The system places each machine into the processing queue.

> ➡️ **NOTE:**
> The system will not necessarily process the machines in the order in which they were submitted.

3. After you have entered all machine names, verify that the updates have completed successfully by checking the `Status of Last Update` field, which should display the word `completed`.

4. Enter **exit** at the command line to return to the Lucent INTUITY Main menu.

Task 7 - **Verify the Trusted Servers and** INTUITY **Messaging Application Programming Interface (IMAPI) Parameters Setup**

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

1. Start at the Lucent INTUITY Main menu and select:

```
>Customer/Services Admininstration
```

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

```
┌─Customer/Services Administration─┐
│ Alarm Management                 │
│ Backup/Restore                   │
│ Database Audits                  │
│ Diagnostics                      │
│>Feature Options                  │
│ Log Administration               │
│ System Management                │
│ System Verification              │
└──────────────────────────────────┘
```

Figure 2-9.   Customer/Services Administration Menu

2. Select:

```
> Feature Options
```

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

```
              Feature Options (Read Only)
         Feature Option            Current      Maximum

AMIS Analog Networking             OFF          N/A
Fax Creation                       OFF          N/A
High speed digital ports           0            12
Low speed digital ports            0            12
Max Number of IMAPI Sessions       128          128
Multilingual                       OFF          N/A
SCSI Disk Mirroring                OFF          N/A
TCP/IP Administration              OFF          N/A
TCPIP digital ports                0            12
Text-to-Speech Sessions            0            4
Trusted Servers                    0            64
hours_of_speech                    65           161
voice_ports                        6            6
```

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

3. Review the `Max Number of IMAPI Sessions` field and the `Trusted Servers` field. If these fields do not show at least *one* active session each, contact the remote maintenance center and have them set up a session for each.

4. Press ⌈CANCEL⌉ (F6) until you return to the Lucent INTUITY Administration menu.

Check the System IP Address

An IP address is required when defining and activating the trusted server. Check to see if the system has as established IP address by taking the following steps:

1. Start at the Lucent INTUITY Main menu and select

> > Networking Administration

> > TCP/IP Administration

> **NOTE:**
> If TCP/IP has not been enabled, the `TCP/IP Administration` screen may not be available. If this is the case, skip this procedure, "Check the System IP Address," and go on to the next procedure, "Define and Activate the Trusted Server."

2. Record the number shown in the `IP Address` field. If there is no number in the `IP Address` field, go on to the next procedure, "Define and Activate the Trusted Server."

Define and Activate the Trusted Server

After the trusted server has been enabled from the remote maintenance center, you must define the trusted server and activate it.

1. From the Lucent INTUITY Main menu, select

```
> AUDIX Administration
```

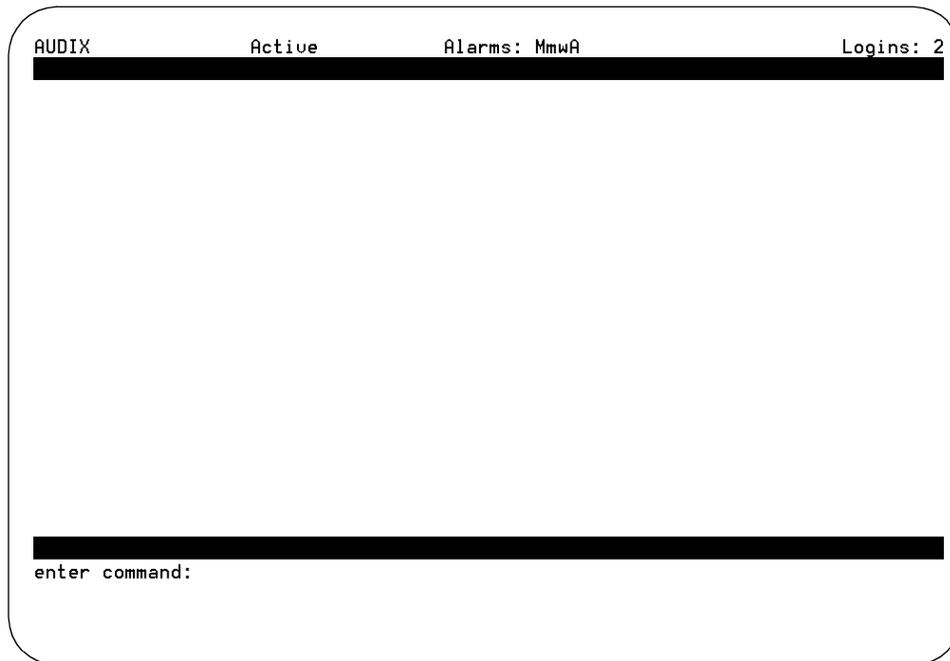The system displays an AUDIX Administration screen (Figure 2-11).

```
AUDIX          Active          Alarms: MmwA                Logins: 2




















enter command:
```

Figure 2-11.   AUDIX Administration Screen

2. Enter **add**

The system displays a list of options.

3. Select `trusted server` (Figure 2-12).

```
┌────────────────────────────────────────────────────────────────────┐
│  AUDIX          Active          Alarms: MmwA              Logins: 1 │
│  ████████████████████████████████████████████████████████████████  │
│   annc-set         to create a new announcement set                │
│   remote-subscriber to administer new remote subscribers           │
│   subscriber       to administer new local subscribers             │
│  ███-trusted-server    to administer trusted servers███            │
│                                                                    │
│                                                                    │
│                                                                    │
│                                                                    │
│                                                                    │
│                                                                    │
│                                                                    │
│                                                                    │
│                                                                    │
│                                                                    │
│  ████Missing Entry███████████████████████████████████████████████  │
│  enter command: add                                                │
│                                                                    │
└────────────────────────────────────────────────────────────────────┘
```

Figure 2-12.   AUDIX Administration Menu Options

The system displays the Trusted Server Profile screen (Figure 2-13).

```
AUDIX            Active            Alarms: MmwA                   Logins: 1
add trusted-server                                              Page 1 of 1
                        TRUSTED-SERVER PROFILE


                Trusted-Server Name: _____
                           Password: _____
                         IP Address: _____
Service Name: _____

      Access to Cross Domain Delivery? n
             Default Community Number: 1_
                    Trusted Server ID:

   Minutes of Inactivity Before Alarm: 0___
                (If field is 0, no Alarm will be generated)




Press [ENTER] to execute or press [CANCEL] to abort
enter command: add trusted-server
```

Figure 2-13.   Trusted Server Profile Screen

4. At the `Trusted-Server Name` field type **migration**.

5. Tab to the `Password` field and type **migration**.

6. Tab to the `IP Address` field and type the system IP address recorded in "Check the System IP Address" section earlier in this task. If no IP address exists, use **200.200.200.200**.

7. Tab to the `Service Name` field and type **migration**

8. Press ⌷ENTER (F3).

The Trusted Server Profile screen appears as shown in Figure 2-14.

```
AUDIX              Active              Alarms: MmwA                Logins: 1
add trusted-server                                              Page 1 of 1
                        TRUSTED-SERVER PROFILE


              Trusted-Server Name: migration
                        Password: migration
                      IP Address: 200.200.200.200

Service Name: migration

      Access to Cross Domain Delivery? n
            Default Community Number: 1
                    Trusted Server ID:

  Minutes of Inactivity Before Alarm: 0
               (If field is 0, no Alarm will be generated)




Press [ENTER] to execute or press [CANCEL] to abort
enter command: add trusted-server
```

Figure 2-14.   Trusted Server Profile Parameters

The system sets the trusted server ID to a default number.

Task 8 - **Verify User Data Audit**

Verify that the AUDIX R1 system administrator has completed a user data audit using the AUDIX R1 Maintenance:Audits:fp screen. This audit purges all user mailing lists of deleted users so that only current user mailing list data is migrated.

1. At the command line on the AUDIX R1 entry screen, enter **maintenance:audits:fp**.

   The system displays the Maintenance:Audits:fp screen (Figure 2-15).

```
PATH: maintenance : audits : fp
To start or stop a demand audit, choose one:
    AUDIT                         DEMAND STATUS          NIGHTLY STATUS
Message Waiting Lamp      :___
DBP Administrator         :___
Service Dispatcher        :___
Alarm Log                 :___
Announcement Structure    :___
Subscriber Data           :___
Message Data              :___
Subscriber Mailbox        :___
Mailing List and          :___
Personal Directory
Network Data              :___
Subscriber Name Data      :___
Voice Data Rebuild        :___
Voice Files               :___
Subscriber Id             :___

Choose one:    Start___           Stop___          Status___

Operation confirmed
On Line
```

Figure 2-15.   Maintenance:Audits:fp Screen

2. Tab down to the Subscriber Data field and type **x**.

3. Tab down to the Start field and type **x**.

4. Press (ENTER) (F8).

The system runs the audit and updates the screen to show the audit status (Figure 2-16).

```
PATH: maintenance : audits : fp
To start or stop a demand audit, choose one:
     AUDIT                         DEMAND STATUS       NIGHTLY STATUS
Message Waiting Lamp      :___                         Not Run Nightly
DBP Administrator         :___                         Completed 3/07/96 19:00
Service Dispatcher        :___                         Completed 3/07/96 19:00
Alarm Log                 :___                         Completed 3/07/96 19:00
Announcement Structure    :___                         Completed 3/07/96 19:02
Subscriber Data           :_x_      In Progress
Message Data              :___                         Completed 3/07/96 21:31
Subscriber Mailbox        :___                         Completed 3/07/96 22:25
Mailing List and          :___                         Completed 3/07/96 22:30
Personal Directory
Network Data              :___                         Completed 3/07/96 22:30
Subscriber Name Data      :___
Voice Data Rebuild        :___                         Completed 3/07/96 22:25
Voice Files               :___
Subscriber Id             :___                         Completed 3/07/96 22:30

Choose one:    Start_x_           Stop___        Status___

Operation confirmed
On Line
```

Figure 2-16.   Audits Status Screen

When the user data audit is complete the `Demand Status` column changes from `In Progress` to `Completed` with the current date showing. The more users on the system, the longer this audit takes.

5. Press ⎡CONTROL⎤ ⎡Z⎤

➡ **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 9 - Back-up Data on the AUDIX R1 Machine

Back up all user records and passwords on the AUDIX R1 machine.

⇒ **NOTE:**
This back-up allows the system administrator to have a copy of all voice information on the AUDIX R1 machine prior to the migration. The back-up allows for disaster recovery of the users' passwords. It also allows the AUDIX R1 to be used as a stand-alone back-up.

To back up the data on the AUDIX R1, take the following steps:

1. At the command line on the AUDIX R1 entry screen, enter **list:volume**

   The system displays the List:Volume screen.

2. Record the name of the back-up disk (for example, back01).

3. Press CONTROL Z

4. Enter **system:filesystems**

   The system displays the System:Filesystems screen.

5. Record the disk name for /sd (for example, disk00/sd).

6. Press CONTROL Z

7. Enter **shutdown**

   The system displays the Shutdown screen.

8. Tab to the Type field and type **f** for forced.

9. Tab to the Reason field and type **a** for administration.

10. Press CONTROL Z

11. Enter **filesystem:detail**

    The system displays the Filesystem:Detail screen.

12. In the File System field, type the disk name for /sd, from Step 5 (for example, disk00/sd).

13. Tab to the Type field, enter **sdat**

14. Record the number of blocks in the Size field.

15. Press CONTROL Z

16. Enter **filesystem:list**

    The system displays the Filesystem:List screen.

17. At the Volume field, enter the name of the backup disk from Step 2 (for example, back01).

18. Note the amount of free space on the back-up disk. If the free space on the backup disk is *greater than or equal* to 6, press $\boxed{\text{CONTROL}}$ $\boxed{\text{Z}}$, skip Steps 19 through 22 and continue wit Step 23. If the free space is *less than* 6, continue with Step 19.

19. Record the names and sizes of the old back-up disks.

20. Press $\boxed{\text{CONTROL}}$ $\boxed{\text{Z}}$

21. Enter **filesystem:detail**

    The system displays the Filesystem:Detail screen.

22. Delete as many old files from the list you made in Step 19 as necessary.

    a. In the `File System` field, type the file name (for example, back01.sd960102)

    b. In the `Type` field, enter **sdat**

    c. Press $\boxed{\text{DELETE}}$ (F3).

    d. Repeat Steps a through c until all old back-up files are deleted.

    e. Press $\boxed{\text{CONTROL}}$ $\boxed{\text{Z}}$

23. Enter **filesystem:copy**

The system displays the Filesystem:Copy screen.

24. In the `From Filesystem` field, enter the disk name from Step 5.

25. In the Type field, type **sdat**

26. In the `To Filesystem` field, type the backup disk name from Step 2.

27. In the `Physical Copy` field, type **y**

28. Press $\boxed{\text{CHG/RUN}}$ (F1).

29. Press $\boxed{\text{CONTROL}}$ $\boxed{\text{Z}}$ when the system has completed copying the file.

30. Enter **startup**

The system displays the Startup screen.

31. Press $\boxed{\text{CHG/RUN}}$ (F1)

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

Task 10 - Migrate the Mailing List Data

> ⇒ **NOTE:**
> Complete this task only if you are migrating mailing lists.

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

> ⇒ **NOTE:**
> If possible, run the mailing list migration with a 4800 baud rate. This will decrease the amount of time needed for the mailing list migration by 50%. Be aware the the mailing list migration will execute with the same baud rate used for the user migration.

1. Verify that the number of local and remote users on the Lucent INTUITY Change:System:Limits screen is greater than the number of local and administered remote users on the AUDIX R1 System:Limits screen.

2. Select the Migrations menu option (Figure 2-17).

```
┌─────────────────────────────────────┐
│      INTUITY (TM) Administration     │
│ AUDIX Administration                 │
│ AUDIX R1 Voice Migrations            │
│ Customer/Services Administration     │
│▶Migrations                           │
│ Networking Administration            │
│ Switch Interface Administration      │
│ Upgrade                              │
│ Voice System Administration          │
└─────────────────────────────────────┘
```
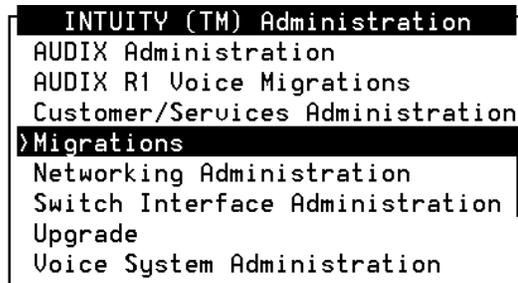
Figure 2-17.   Lucent INTUITY Main Menu

The system displays the Migration to Mach 2 or Mach 3 menu (Figure 2-18).

```
==== 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 2-18.   Migration to Mach 2 or Mach 3 Menu

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

The system displays the AUDIX R1 Migration Using ADAP menu (Figure
2-19).

```
==== 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 2-19.   AUDIX R1 Migration Using ADAP Menu

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

The system displays the Enhanced AUDIX R1 Migration Options menu (Figure 2-20).

```
==== 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 2-20.   Enhanced AUDIX R1 Migration Options Menu

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

The system displays the Migrate R1 Mail Lists menu (Figure 2-21).

```
==== 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 2-21.   Migrate R1 Mail Lists Menu

6. Enter option **1,** `begin mailing list migration,` to begin the migration.

    You can monitor the migration by selecting option **2**, `monitor status.`

    ➡ **NOTE:**
    To abort the mailing list migration, select option **5**. Select option **6** to restart the mailing list migration.

7. When the migration is complete, select option **3**, `view log files,` to review the mailing list migration.

8. Select option **4**, `look at migrated lists,` to review the migrated mailing lists.

9. Select option **7**, `cleanup,` to clean-up the migrated mailing list.

10. When the clean-up is complete, 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 Lucent INTUITY Main menu.

Task 11 - **Install the Enhanced Migration Software**

The Lucent INTUITY system uses the enhanced migration software to:

- Call up the AUDIX R1 machine

- Retrieve data

- Format the data for its use.

To load the enhanced migration software:

1. Locate the floppy disk that contains the enhanced migration software. This disk is shipped with the Lucent INTUITY system.

2. Starting at the Lucent INTUITY Main menu, select

```
>Customer/Services Administration
    >System Management
        >UNIX Management
            >Software Installation
                >Floppy Drive
```
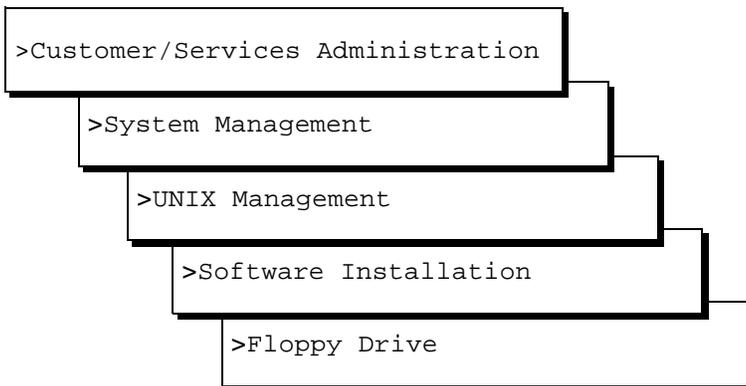
The system displays the following messages:

```
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 displays the following messages:

```
Installation in progress. Do not remove the
diskette.

The following packages are available:
enhmig  Enhanced Migrations
        (AUDIX) R4

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 activated. When the system is finished installing the software, the system displays

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

6. Enter **q** to go back to the Software Install menu.

7. Remove the enhanced migration software diskette from the floppy drive.

8. Press ⌈CANCEL⌉ (F6) until you return to the Lucent INTUITY Main menu.

   ➡ **NOTE:**
   The system will not display the AUDIX R1 Voice Migrations option on the Lucent INTUITY Main menu until you log back in to the system.

Task 12 - **Reboot the INTUITY System**

1. Starting at the Lucent INTUITY Main menu, select:

> > Customer/Services Administration
>
> > System Management
>
> > System Control

The system displays the System Control menu (Figure 2-22).

```
          System Control
>Shutdown Voice System
 Start Voice System
 Stop Voice System
```
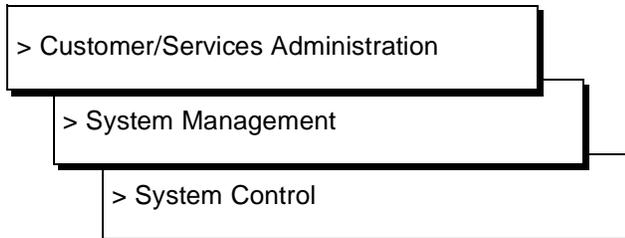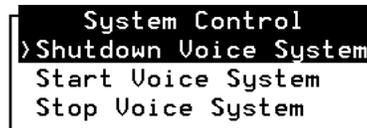
Figure 2-22. System Control Menu

2. Select Shutdown Voice System.

   The system displays the following message:

   Enter y to continue, n to quit

3. Enter **y**

   The system displays the following message:

   Voice system will be stopped first to avoid data loss
   The voice system is now stopping
   Initiating request to clear...

   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 reboots.

5. Press ⌈ENTER⌉ twice after the messages stop scolling on the screen to bring the system back up.

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.

1. At the `path:` prompt on the AUDIX R1 entry screen, enter **system:outcalling**.

   The system displays the Outcalling screen.

2. Tab to the `Outcalling active (y/n)` field.

3. Press n.

4. Press `CHG/RUN` (F1).

5. Press `CONTROL` `Z`

➡ **NOTE:**
   For further information on this procedure, 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.

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 `path:` prompt on the AUDIX R1 entry screen, enter **system translation:switch connection.**

   The system displays the System:Translation:Switch Connection screen (Figure 2-23).

   ➡ **NOTE:**

   The screen displayed may be different from the AUDIX R1 screen you are using based on the switch connection. To make your screen look like Figure 2-23, change the switch connection type to stand-alone and press (CHG/RUN) (F1).

```
PERFS1 STATUS:  alarms:  mwA, logins: 1, thresholds: none
PATH: system : translation : switch connection
connection type (dciu-sci/smsi/bri-api/sl1/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/v/a/m)
 1- 8: v v v v v v v v
 9-16: v v v v v v v v
17-24: _ _ _ _ _ _ _ _
25-32: _ _ _ _ _ _ _ _

host switch: 2      AUDIX: 1

operation confirmed
```

Figure 2-23.   System:Translation:Switch Connection Screen

3. Enter **v** in all `port call type` fields.

> **NOTE:**
> The total number of channels (or ports) that can be used for the
> migration is 16. If you are planning on migrating names, a maximum
> of 12 ports can be used.

4. Press CHG/RUN (F1)

5. Press CONTROL Z

6. Reboot the AUDIX R1.

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

Remove the broadcast message mailbox from the AUDIX R1 machine. Broadcast messages are not migrated from the AUDIX R1 to the Lucent INTUITY system.

1. At the `path:` prompt on the AUDIX R1 entry screen, enter **system:appearance**.

   The system displays the System:Appearance screen.

2. Find the broadcast mailbox extension and write it down for later reference.

3. Press CONTROL Z

4. At the `path:` prompt on the AUDIX R1 entry screen, enter **subscriber:local**.

   The system displays the Subscriber:Local screen .

5. Tab to the `ext.` field and type in the extension number recorded in Step 2.

6. Press ENTER (F8).

7. Press DELETE (F3).

8. Press **y** to confirm.

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 theTN535 procmon circuit card.

1. Pull out the pin on the MI (TN511) toggle switch and move it to the shutdown (right) position. The green "ACT" light will be activated.

2. Wait for 30 to 300 seconds until the red "COMPL" light is activated.

3. Push the RCD-1 button and wait for the green "ACT" light to deactivate.

4. Turn off the power switch in the lower cabinet.

5. Turn off the power switch in the upper cabinet (if this is a two-cabinet system).

   ➡ **NOTE:**
   For more detailed information on powering down an AUDIX R1 machine, see to *AUDIX Maintenance for Tier 1*.

To power down the AUDIX R1 through the software, take the following steps:

1. Enter **shutdown**

2. Press **m**

3. Press ⟨CHG/RUN⟩ (F1)

Task 17 - Install the TN535 Procmon Circuit Card

To install the TN535 procmon circuit card, insert the card into slot 8 (slots begin with 0) and lock the handle over the card.

⚠ CAUTION:

When inserting the circuit card, be careful to not bend the pins in the backplane.

If you are working with a two-cabinet system, the circuit card should go in the same slot in the upper cabinet.

NOTE:

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

Additional Procedure for Machines with No Monitor (HO5/FP/MON) Port

Some older versions of the AUDIX R1 do not have a monitor (H05/FP/MON) port on the back of the lower cabinet. If the system has no monitor (H05/FP/MON) port, use the alternative installation procedures listed in the following steps:

1. On a single cabinet system, remove the upper rear panel. On a two-cabinet system remove the upper rear panel on the upper cabinet.

2. At the back of Slot 1 on the far right side of the machine, look for the AHF104 circuit card designation. There should be a 60-pin header on that card. From the back view, it should be immediately behind the 50-pin SCSI bus ribbon. Attach the 60-pin ribbon cable of the breakout box kit to this 60-pin header.

3. Connect the other end of the 60-pin ribbon cable to the breakout box.

NOTE:

If you do not have the breakout box, contact the AUCC.

Task 18 - Power Up the AUDIX R1

📥 **NOTE:**

If you want to monitor the system during this procedure, you can transfer the cable from the administration port to the maintenance port and then view the process on the computer monitor screen.

You must power up the AUDIX R1 machine after installing theTN535 procmon circuit card.

1. Turn on the power switch in the lower cabinet.

2. Turn on the power switch in the upper cabinet (if this is a two-cabinet system).

3. Move the MI (TN511) toggle switch to the normal (center) position.

   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 administration or maintenance port and plug it into the monitor (H05/FP/MON) port. If you installed a breakout box in Task 17, connect the cable to FP/MON port on the breakout box.

2. Remove the Null modem cable (H600-258), if present

3. Set the terminal to 1200 baud rate.

   a. Press (CONTROL) (F1) for the Current Options screen.

   b. Set the Speed field to 1200.

   c. Press (SAVE ALL) (F6).

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

4. At the prompt, enter **< op**

5. At the @ prompt, enter **rd Vm *takeout* 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 displays a 0.

7. At the next @ prompt, enter **wd Vm *takeout* 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 and 4.

10. Enter **mon** to exit Optics.

11. Log in to the Definity PBX switch.

12. Enter **list:hunt group**

13. Identify the AUDIX hunt group number.

14. Type **change:hunt group [#]**

15. Tab to the `Message Center` field on page 2 and change from AUDIX to **none**.

16. Press ⌈ENTER⌋ to save change.

17. Log out of the Definity PBX switch.

> **NOTE:**
> If the Definity PBX switch has call vectoring, the hunt group is a vector directory number (VDN). Call the remote maintenance center if the hunt group has call vectoring.

18. 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 (or system) port. Re-insert the Null modem cable, if one was present, and set the terminal back to 4800 baud.

Task 20 - Set up a Special User
on the Lucent INTUITY System

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

1. Starting at the Lucent INTUITY Main menu, select

```
> AUDIX Administration
```

The system displays the AUDIX Administration screen (Figure 2-24).

```
AUDIX            Active          Alarms: MmwA              Logins: 2




















enter command:
```
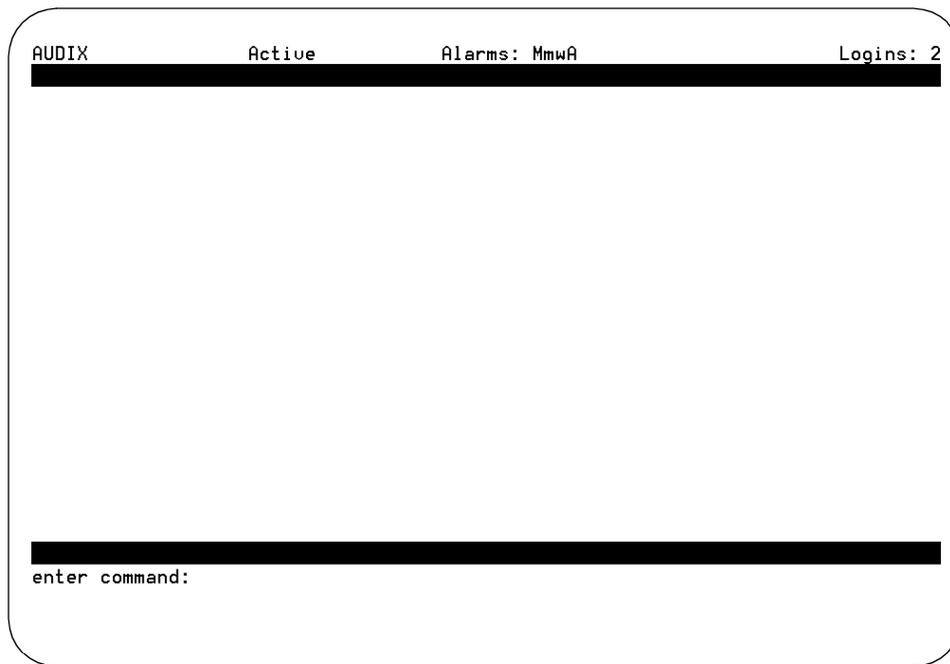
Figure 2-24.   AUDIX Administration Screen

2. Enter **add su** at the `enter command:` prompt..

The system displays the Subscriber screen (Figure 2-25).

```
AUDIX            Active           Alarms: MmwA                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: _____




                                                                      s
               add subscriber
```

Figure 2-25.   Subscriber Screen

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

➡ **NOTE:**
    The password should be the same as the password previously set
    up for all other users set the Lucent INTUITY system.

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

You must configure a mailbox for the "special" user and record a name for the mailbox to be associated with.

1. Configure the "special" user's mailbox on the Lucent INTUITY system so that:

   ■ No mail message responses can be sent to it.

   ■ It is able to send priority messages.

2. Press NEXTPAGE (F7) from the Subscriber screen. The system displays the Subscriber Class of Service Parameters screen (Figure 2-26).

```
AUDIX              Active           Alarms: MmwA                   Logins: ▮
change subscriber 22222                                        Page 2 of 2
                      SUBSCRIBER CLASS OF SERVICE PARAMETERS
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

INCOMING MAILBOX          Order: fifo            Category Order: nuo
  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___
                                                                           s
         change subscriber 22222
```

Figure 2-26.   Subscriber Class Of Service Parameters Screen

3. Enter **y** in the `Priority Messages` field to configure the mailbox for sending priority messages.

4. Enter **8** in the `Mailbox Size` field to configure the mailbox to not receive mail messages.

5. Press ENTER (F3) to save you changes.

6. Press CANCEL (F1) to return to the command line.

7. Enter **exit**

8. Complete the following Steps a through e to record a name for the
"special" user. This name will be heard by the users when they retrieve
their messages on the Lucent 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 Lucent INTUITY system.

   a. Use a touch tone telephone to call the extension number of the
   Lucent INTUITY channel.

   b. Enter ⊛ Ⓡ from the telephone keypad when AUDIX answers.

   c. Enter the special mailbox extension.

   d. Enter the default password.

   e. Record a name (for example, "Old AUDIX") and approve the name
   by pressing #

Task 22 - Change the Users' Passwords

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

⇒ **NOTE:**
Users should not know this common value.

1. From the Lucent INTUITY Main menu, select

```
> Migrations
```

The system displays the Migration to Mach 2 or Mach 3 menu (Figure 2-27).
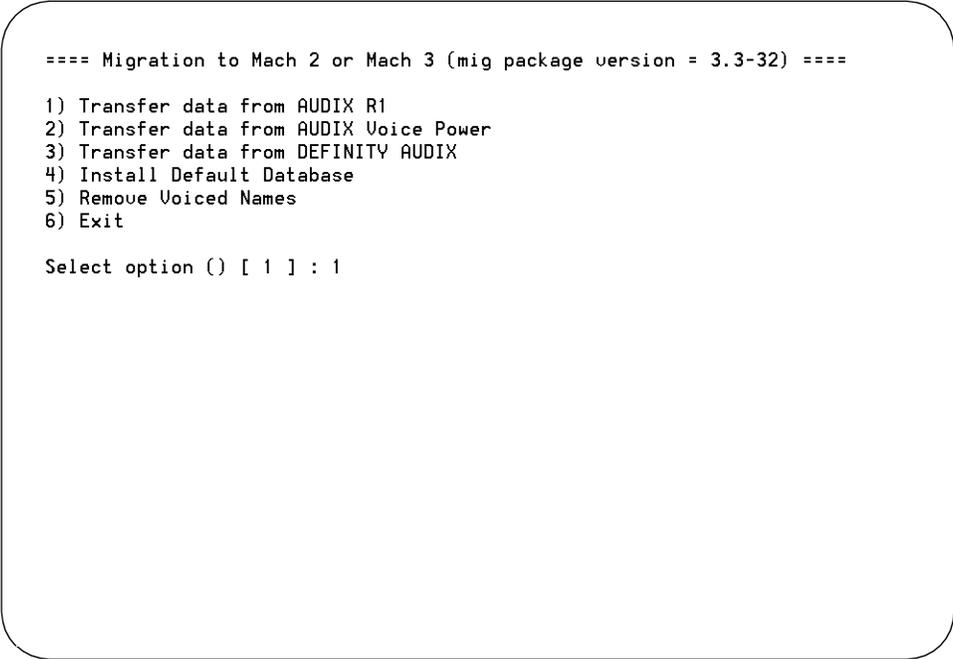
```
==== Migration to Mach 2 or Mach 3 (mig package version = 3.3-32) ====

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 2-27.   Migration to Mach 2 or Mach 3 Menu

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

The system displays the AUDIX R1 Migration Using ADAP menu (Figure 2-28).

```
==== 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 2-28.   AUDIX R1 Migration Using ADAP Menu

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

   ➡ **NOTE:**
   If option 9 does not appear, use option 4, Display Status or use option 1, Setup Parameters, and reenter all values. After reentering the values, select option 7, Restart Migration, and enter choice 4. Option 9 should reappear.

The system displays the Enhanced AUDIX R1 Migration Options menu (Figure 2-29).

```
==== 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 2-29.   Enhanced AUDIX R1 Migration Options Menu

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

The system displays the Change Migrated R1 Subscriber Passwords menu (Figure 2-30).

```
==== Change Migrated R1 Subscriber Passwords ===

1) Begin
2) Check Status
3) Display Logfile
4) Abort
5) Exit menu

Select option () [ 1 ] :
```

Figure 2-30.   Change Migrated R1 Subscriber Passwords

5. Select option **1,** `Begin`.

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

    ■   Select option **2**, `Check Status`, to check the status of the password change.

    ■   Select option **3,** `Display Logfile,` to display the log file associated with the password change.

    ■   Select option **4**, `Abort`, to abort the password change.

6. When the password change is complete, select option **5**, `Exit menu,` 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 Lucent INTUITY Main menu.

Task 23 - Set Up Migration Parameters

The migration parameters identify:

- The AUDIX voice mail telephone number

- The generic user password

- The migration sender extension

- AUDIX version identification

- The number of channels

- Whether to migrate:

  — User greetings

  — Mail messages

  — User names

To set up the migration parameters, take the following steps:

1. Select

```
> AUDIX R1 Voice Migration
```

The system displays the Migration Administration menu (Figure 2-31).

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

Figure 2-31.   Migration Administration Menu

2. Select Migration Control.

The system displays the Migration Control menu (Figure 2-32).

```
┌──────────────────────────────────┐
│        Migration Control         │
│ Start Migration                  │
│ Stop Migration                   │
│ Reset Incomplete Subscribers     │
│〉Administer Migration Parameters  │
└──────────────────────────────────┘
```
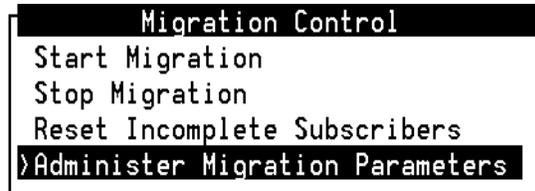
Figure 2-32.   Migration Control Menu

3. Select Administer Migration Parameters.

    The system displays the Migration Parameters screen (Figure 2-33).

```
┌──────────────────────────────────────────┐
│           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         │
└──────────────────────────────────────────┘
```
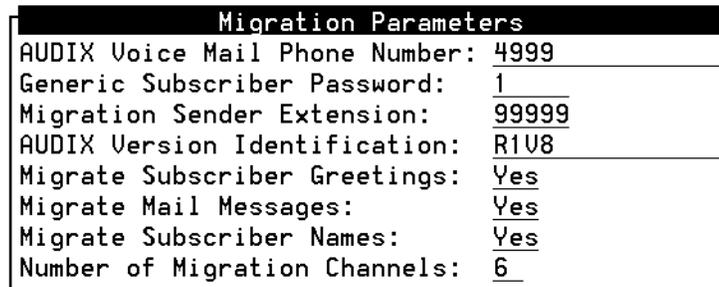
Figure 2-33.   Migration Parameters Screen

➡️ **NOTE:**
    To exit the Set Up Parameters prompts at anytime, press (DEL). You
    will return to the Lucent INTUITY Main 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 user 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 users for migration purposes.

> ➡ **NOTE:**
> The user password should not begin with 0 and not be greater than 9 digits.

■ `Migration Sender Extension`

Enter the "special" user's telephone extension.

■ `AUDIX Version Identification`

Enter the AUDIX release version for which migration is to be executed. (For AUDIX R1V5, V6, or V7, enter R1V7. For AUDIX R1V8, enter R1V8.).

■ `Migrate Subscriber Greetings`

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

> ➡ **NOTE:**
> Personal greetings are not automatically activated after the migration to the Lucent INTUITY system. Users are required to activate their personal greetings.

■ `Migrate Mail Messages`

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

If user names are to be migrated:

a. Make sure that the `Name Record by Subscriber?` field is set to `Y` on the Lucent INTUITY Change System Parameters Features screen. To get to this screen:

— From the Lucent INTUITY Main menu, select

```
> AUDIX Administration
```

— Enter **change**

— Select `system-parameters.`

— Select `features.`

   b. On AUDIX R1, make sure the Minimum Message Length field is set to `10` on the System Limits screen.

■ `Number of Migration Channels`

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

— To make a trial run of the migration before initiating the complete migration, set the number of migration channels to 1. Start the migration as proposed in the Task 25. Monitor the migration status. Once the migration is running, stop the migration, go back to the Migration Parameters screen, and enter the actual number of channels to be used for the migration. (See "Stopping and Restarting the Migration" in Task 25.)

⇒ NOTE:
The number of Lucent 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 Lucent 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 ⌊SAVE⌋ (F3) to save the data entered.

Task 24 - Start the Enhanced Migration

> **NOTE:**
> Before you start the migration, instruct the customer not to add, change, or delete any users on the AUDIX R1 system while the migration is in progress. Any such changes will have to be made again manually on the Lucent INTUITY AUDIX system after the migration is complete.

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

> **NOTE:**
> You will receive a failure message if the AUDIX R1 user migration has not been completed prior to beginning the enhanced migrations.

1. Select the Start Migration menu option (Figure 2-34).


```
          Migration Control
>Start Migration
 Stop Migration
 Reset Incomplete Subscribers
 Administer Migration Parameters
```
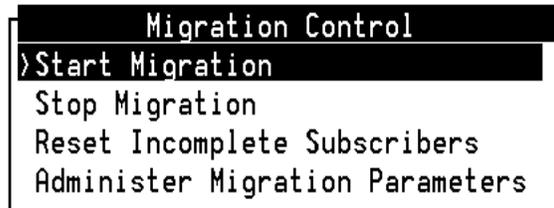
Figure 2-34.   Migration Control Menu

The system displays a Confirm screen (Figure 2-35).

```
                      Confirm
A one-time initialization setup must be
performed before the migration will be
started.

This may take from 5 to 10 minutes.

Press <y> to confirm.
Press <n> to cancel.
```
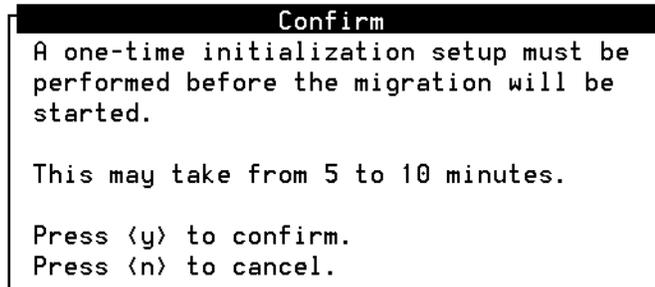
Figure 2-35. Confirm Screen

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

   ➡ **NOTE:**
   The system stops the Lucent INTUITY Voice System and initializes the
   system parameters necessary for the enhanced migration. Once the
   initialization is complete, the system restarts the voice system and
   begins the migration.

   The system displays an Information screen (Figure 2-36).

```
                   Information
Migration has begun.

Press <Enter> to continue.
```
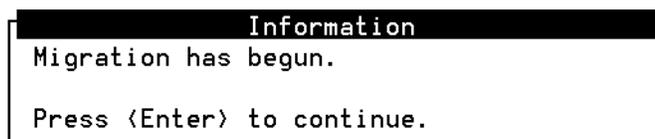
Figure 2-36. Information Screen

3. Press (ENTER)

   The system returns to the Migration Control menu.

4. Press (CANCEL) (F6) to return to the Migration Administration menu.

Task 25 - Monitor the Migration

Check the status of the user 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. Begin at the Lucent INTUITY Main menu.

2. To check the user voice data transfer status via the Migration Status Report, select

```
> AUDIX R1 Voice Migration
```

The system displays the Migration Administration menu (Figure 2-37).

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

Figure 2-37.   Migration Administration Menu

3. From the Migration Administration menu, select

```
> Migration Status
```

The system displays the Migration Status Report screen (Figure 2-38).

```
                    Migration Status Report

Migration State: COMPLETE

Migrations in Progress: 0
Elapsed Migration Time: 01:05

Latest Operation: done

Total Subscribers:      1011
Subscribers Migrated:   1011
Migrations Remaining:   0
Migrations Successful:  958
Incomplete Migrations:  53
Mail Msgs Migrated:     0
```

Figure 2-38.   Migration Status Report Screen

4. Press ⌐CANCEL¬ (F6) to return to the Migration Administration menu (Figure 2-37).

5. To check the user voice data transfer status via the Subscriber Migration Report, select

```
> Subscriber Migration Report
```

The system displays the Subscriber Migration Report screen (Figure 2-39).

```
              Subscriber Migration Report

Subscriber   Chan  Msgs   Grts    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 2-39.   Subscriber Migration Report Screen

6. Press the INCMPLT key.

The system displays a list of incomplete user migrations (Figure 2-40).
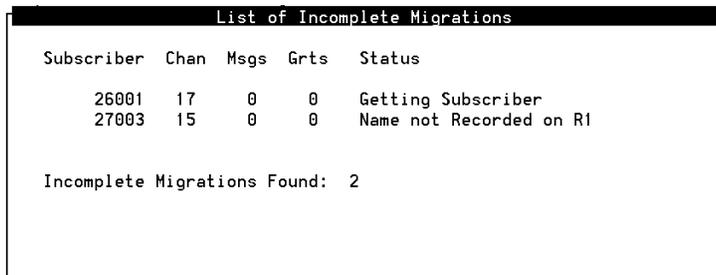
```
              List of Incomplete Migrations

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 2-40.   List of Incomplete Migrations

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

7. Press ⌊CANCEL⌋ (F6) to return to the Migration Administration menu (Figure 2-37).

8. To check the processing status of the migration via the View Migration Processor Log, select

> View Migration Processor Log

The system displays the View Migration Processor Log screen (Figure 2-41).

```
                    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 2-41. Migration Processor Log

9. Press (PREVPAGE) (F2) or (NEXTPAGE) (F3) to scroll through the log. This log describes any problems which may be encountered during the migration processing and possible solutions. The following exit codes may be encountered during the processing:

   ■ **1** indicates that the migration parameters have not been administered.

   ■ **2** indicates that the user data file is nonexistent or is corrupted.

   ■ **3** indicates that a connection between the AUDIX R1 and the Lucent 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.

   In some cases, the log will also provide reasons why a particular user's migration failed.

   For help, further information, and possible error solutions press (HELP) (F1).

10. Press (CANCEL) (F6) to return to the Migration Administration menu (Figure 2-37).

11. To monitor the system, select

```
> System Monitor
```

The system displays the System Monitor - Voice Channels screen (Figure 2-42).

```
                      System Monitor - Voice Channels
          Calls Voice        Service               Caller          Dialed
 Channel Today Service        Status                Input           Digits

      0     0                 *Manoos
      1     0                 *Manoos
      2     0                 *Manoos
      3     0                 *Manoos
      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 2-42.   System Monitor - Voice Channels Screen

12. Press (CANCEL) (F6) to return to the Migration Administration menu (Figure 2-37).

13. When the migration is successfully complete, the system displays the Confirm screen (Figure 2-43).

```
                       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 2-43.   Confirm Screen

14. Enter **y**

The system automatically resets the user profile data to the original settings.

⚠ **CAUTION:**
The user profile data includes class of service parameters, passwords, extensions, etc. The user profile data should be restored to the original settings at this point. If they are restored at a later date, changes made following the migration may be deleted.

15. Press (CANCEL) (F6) to return to the Migration Administration menu (Figure 2-37).

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.

Verifying Printer Status

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

1. Start at the Lucent INTUITY Main menu and select

```
>Customer/Services Administration
    >System Management
        >UNIX Management
            >Printer Administration
                >Printer Installation
```
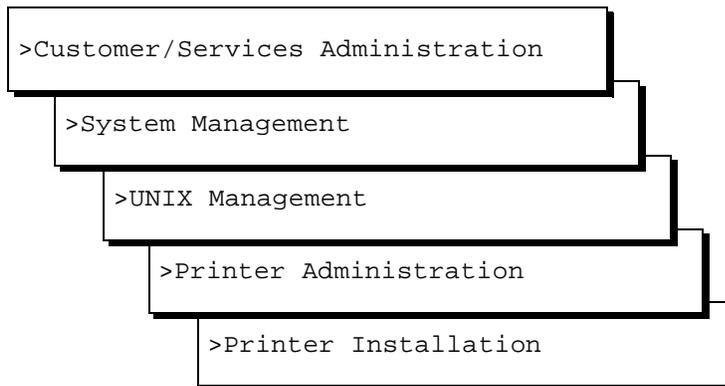
Verify that a printer has been set up, and then print the desired reports.

Printing the Migration Status Report

1. Begin at the Lucent INTUITY Main menu.

2. Select:

```
> AUDIX R1 Voice Migration
```

The system displays the Migration Administration menu (Figure 2-37).

3. Select:

```
> Migration Status
```

The system displays the Migration Status Report (Figure 2-44).

```
                        Migration Status Report
Migration State: COMPLETE

Migrations in Progress: 0
Elapsed Migration Time: 01:05

Latest Operation: done

Total Subscribers:      1011
Subscribers Migrated:   1011
Migrations Remaining:   0
Migrations Successful:  958
Incomplete Migrations:  53
Mail Msgs Migrated:     0
```

Figure 2-44.   Migration Status Report

4. Press ⌈ PRINT SCRN ⌉ from the Migration Status Report screen.

Printing the Subscriber Migration Report

1. Begin at the Lucent INTUITY Main menu.

2. Select:

> > AUDIX R1 Voice Migration

The system displays the Migration Administration menu (Figure 2-37).

3. Select:

> > Subscriber Migration Report

The system displays the Subscriber Migration Report (Figure 2-45).

```
                    Subscriber Migration Report

    Subscriber  Chan  Msgs  Grts   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 2-45.   Subscriber Migration Report Screen

4. Press $\boxed{\text{PRINT SCRN}}$ from the Subscriber Migration Report screen.

Printing the Incomplete Migrations Report

1. Begin at the Lucent INTUITY Main menu.

2. Select:

> > AUDIX R1 Voice Migration

The system displays the Migration Administration menu (Figure 2-37).

3. Select:

> > Subscriber Migration Report

The system displays the Subscriber Migration Report screen (Figure 2-45).

4. Press the [INCMPLT] key.

The system displays a list of incomplete user migrations (Figure 2-46).

```
                    List of Incomplete Migrations

    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 2-46.   List of Incomplete Migrations Report Screen

5. Press (PRINT SCRN) from the 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 complete 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" below.

`Communication Failure` - The touch tone playback and receipt are out of synch.

`Depositing Mail Message` - The migration did not complete and the user is left in the "depositing mail message" stage of the migration.

`Greeting Migr Failed` - The system could not deposit a recorded greeting into the person's new mailbox. IMAPI was probably not enabled.

`Incomplete Migration` - More than one error, name migration failure, greeting migration failure, and/or mail message migration failure, has occurred.

`Login Failed` - The password entered is incorrect or that the user was deleted on the AUDIX R1. Re-enter the correct password or call into the AUDIX R1 and verify whether the user was deleted correctly.

`Mail Msg Migr Failed` - The system could not deposit a recorded message into a user's new mailbox. IMAPI was probably not enabled, permission for that user 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 user's call-answer needs to be enlarged.

`Name Migration Failed` - The system could not deposit a recorded name into the user's new mailbox. IMAPI was probably not enabled.

`Name Not Recorded on R1` - This message indicates that the user had not recorded his or her name on the AUDIX R1 system. Log in as this user and record a name.

`Failed to Get Passwords on the AUDIX R1` - The passwords were not converted on the AUDIX R1 machine to a common value. All users 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 (Figure 2-37), select
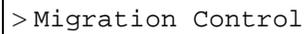
> > Migration Control
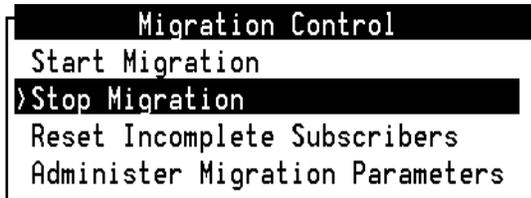
The system displays the Migration Control menu (Figure 2-47).

```
          Migration Control
  Start Migration
> Stop Migration
  Reset Incomplete Subscribers
  Administer Migration Parameters
```

Figure 2-47. Migration Control Menu

2. Select

> >Stop Migration

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

```
╔═══════════════Confirm═══════════════╗
║ Terminating the migration process. Do ║
║ you wish to continue?                 ║
║                                       ║
║ Press ⟨y⟩ to confirm.                 ║
║ Press ⟨n⟩ to cancel.                  ║
╚═══════════════════════════════════════╝
```
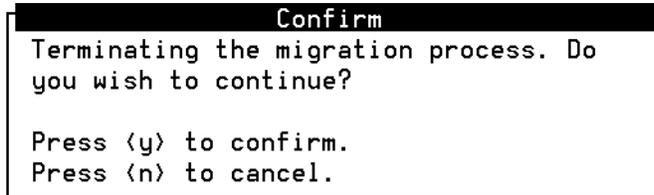
Figure 2-**48. Confirm Screen**

3. Enter **y**

4. Press (CANCEL) (F6) until you return to the Migration Control menu (Figure 2-47).

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

5. Resolve any errors that occurred during the migration process or while monitoring the migration

6. Restart the migration

    a. From the Migration Control menu, select
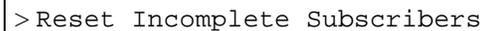
    .
    ```
    > Reset Incomplete Subscribers
    ```

The system displays the Confirm screen (Figure 2-49).
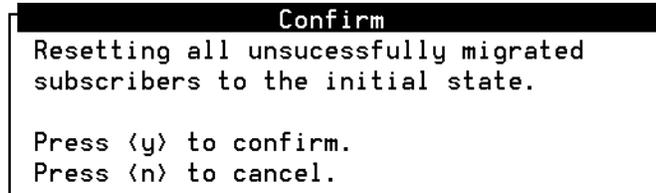
```
                    Confirm
Resetting all unsucessfully migrated
subscribers to the initial state.

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

Figure 2-49. Confirm Screen

    b. Enter **y**.

    c. Press ⌈CANCEL⌉ (F6) until you return to the Customer/Services
       Administration menu.

Task 26 - Verify the Hunt Group Number

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

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

Task 27 - **Restore the Trusted Server and IMAPI System Parameters**

Once the migration is completed, the IMAPI and trusted server system parameters must be restored by the remote maintenance center. However, before calling the remote maintenance center, remove the trusted server added for the migration.

1. From the Lucent INTUITY Main menu, select:

> AUDIX Administration

The system displays the AUDIX Administration screen (Figure 2-50).

```
AUDIX            Active          Alarms: MmwA              Logins: 2




















enter command:
```
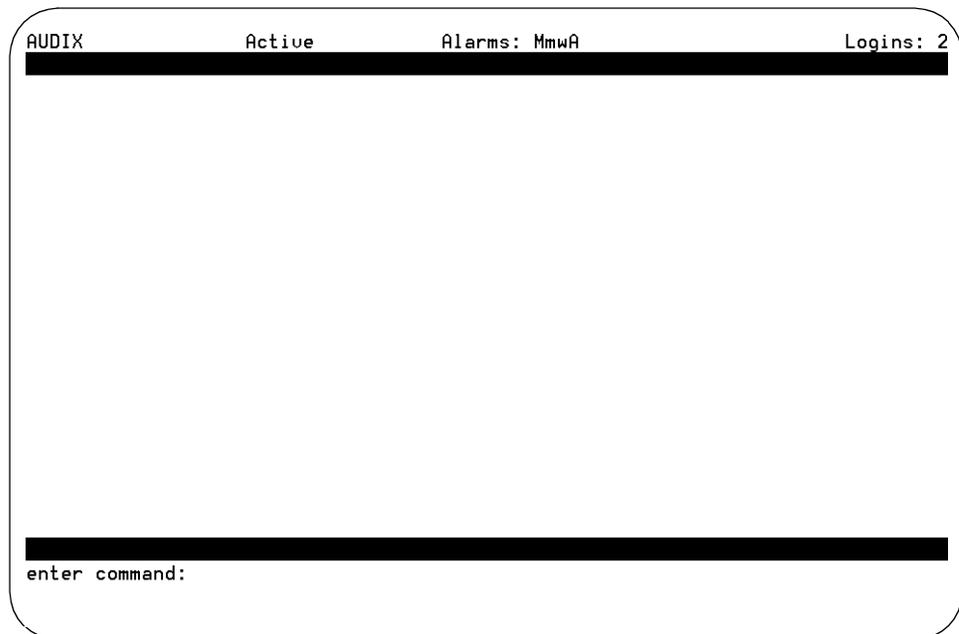
Figure 2-50.   AUDIX Administration Screen

2. Enter **remove** at the `enter command:` prompt.

The system displays a list of options (Figure 2-51).

```
AUDIX           Active          Alarms: MmwA              Logins: 2

 annc-set        to remove an entire announcement set
 announcement    to remove an individual announcement
 fragment        to remove an individual voice fragment
 remote-subscriber to remove the record for a remote subscriber
 subscriber      to remove the record for a local subscriber
-trusted-server  to remove a trusted-server




Missing Entry
enter command: remove
```

Figure 2-51.   AUDIX Administration Menu Options

3. Select:

```
> trusted-server
```

The system displays a request for the trusted server name or ID (Figure 2-52).

```
AUDIX              Active            Alarms: MmwA                    Logins: 2

 Enter trusted-server name or id (1-128)













Missing Entry
enter command: remove trusted-server
```
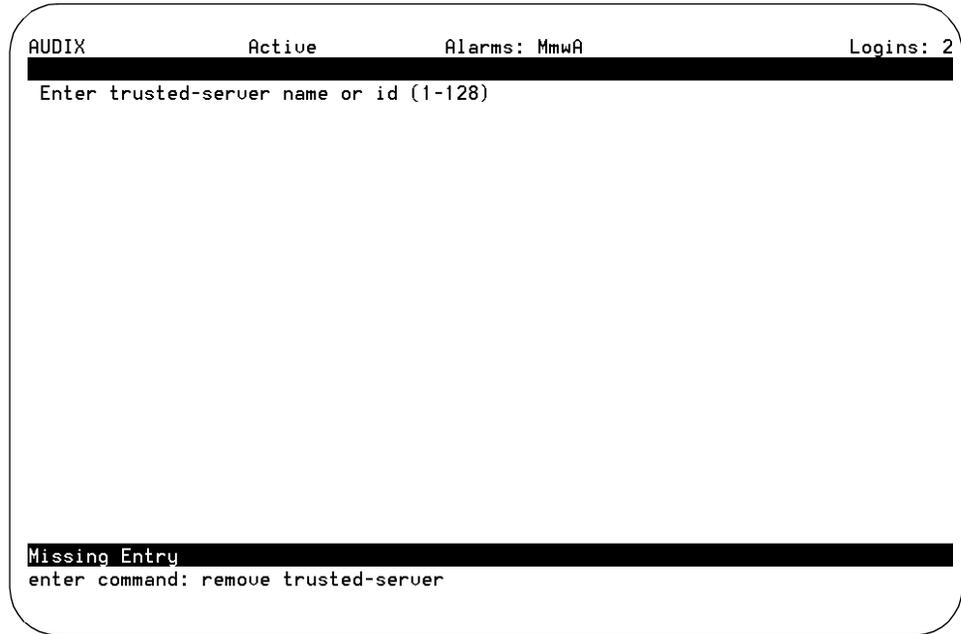
Figure 2-52.   Trusted Server Name Screen

    4. Enter **migration** (for the trusted server name).

The system displays the Trusted Server Profile screen (Figure 2-53).

```
AUDIX            Active           Alarms:  mwA                Logins: 2
remove trusted-server migration                            Page 1 of 1
                        TRUSTED-SERVER PROFILE


                Trusted-Server Name: migration
                           Password: *********
                         IP Address: 200.200.200.200

Service Name: migration

     Access to Cross Domain Delivery? n
             Default Community Number: 1
                   Trusted Server ID: 1

  Minutes of Inactivity Before Alarm: 0
               (If field is 0, no Alarm will be generated)




Press [Enter] to execute or [Cancel] to abort
enter command: remove trusted-server migration
```

Figure 2-53.   Trusted Server Profile Screen

5. Press [ENTER] (F2).

The system removes the trusted server and updates the screen to show
`Command Successfully Completed` (Figure 2-54).

```
AUDIX              Active            Alarms:  mwA                      Logins: 2
remove trusted-server migration
                          TRUSTED-SERVER PROFILE


                 Trusted-Server Name: migration
                            Password: *********
                          IP Address: 200.200.200.200

Service Name: migration

      Access to Cross Domain Delivery? n
            Default Community Number: 1
                   Trusted Server ID: 1

   Minutes of Inactivity Before Alarm: 0
                 (If field is 0, no Alarm will be generated)




Command Successfully Completed
enter command:
```

Figure 2-54.   Trusted Server Removed Profile Screen

6. Press (CANCEL) (F1).

7. Enter **exit** at the `enter command:` prompt.

8. Call the remote maintenance center and request that they restore the
    IMAPI functions on the Feature:Options screen and restore the trusted
    server parameters to their original settings.

Task 28 - Stop the Lucent INTUITY Voice System

The following procedure describes how to stop the Lucent INTUITY voice system so that youcan remove the enhanced migration software.

1. Starting at the Lucent INTUITY Main menu, select:

```
>Customer/Services Administration
      >System Management
            >System Control
```

The system displays the System Control menu (Figure 2-55).

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

Figure 2-55. System Control Menu

2. Select Stop Voice System.

   The system displays the following message:

   ```
   Enter y to continue, n to quit.
   ```

3. Enter **y**

The system displays the following message:

```
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 CANCEL (F6).

   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:

>System Management

>UNIX Management

>Software Remove
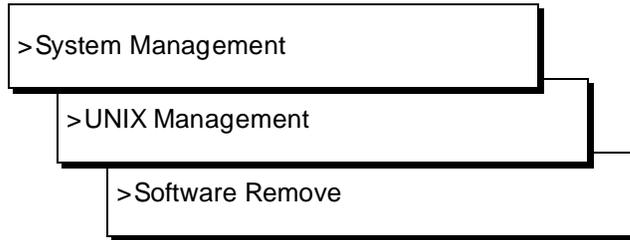
The system displays the Installed Software List (Figure 2-56) appears:

```
The following packages are available:
  1  IVC6DI      AT&T Intuity IVC6 Device Interface for softFAX 2.0
                 (x86svr4_ints1) 2.0c120110
  2  IVR         Intuity Intro Voice Response Set
                 (486) 1.0-16
  3  VM          AUDIX(R) Module marker file
                 (AUDIX) NA
  4  VM-dfltdb   AUDIX(R) Default db
                 (AUDIX) 2.0-18
  5  VM-files    AUDIX(R) Files
                 (AUDIX) 3.3-23
  6  VM-sw       AUDIX(R) Software
                 (AUDIX) 3.3-23
  7  VM-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 2-56.   Installed Software List

2. Press (ENTER) to scroll through the list until you find the number of the enhanced migration software (enhmig).

3. When you have identified the number, press (CONTROL) (D).

The system displays the following message:

```
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 (enhmig).

   The system displays the following message:

   ```
   Migration Removal Confirmation Prompt
   ```

5. Enter **y**

6. Press (CANCEL) (F6) until you return to the System Management menu.

7. Repeat Steps 1 through 5 for the basic migration software package (mig).

8. Repeat Steps 1 through 5 for the debug driver software package (ST03).

Task 30 - Reboot the Lucent INTUITY System

1. Starting at the System Management menu, select:

```
> System Control
```

The system displays the System Control menu (Figure 2-57).

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

Figure 2-57.   System Control Menu

2. Select:

```
> Shutdown Voice System
```

The system displays the following message:

```
Enter y to continue, n to quit
```

3. Enter **y**.

The system displays the following message:

```
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 ⌉

5. Log in to the Lucent INTUITY system again.

   The system returns to the Lucent INTUITY Main menu.

6. Select

> AUDIX Administration

   The system displays the AUDIX Administration screen.

7. Enter **change system-parameters features**.

   The system displays the Change System-Parameters Features screen (Figure 2-58).

```
AUDIX              Active            Alarms: MmwA                  Logins: 1
change system-parameters 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

SUBSCRIBER 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-attendent or Standalone Menu: 3  (3-12)

DISCONNECT OPTIONS
         Quick Silence Disconnect? n       Silence Limit? 30 (5-30 seconds)




enter command: change system-parameters features
```

Figure 2-58.   Change System-Parameters Features Screen

8. Tab to `Minimum Password Length` field and change it to the customer-desired value.

9. Press ⌐NEXTPAGE⌐ (F7) twice.

10. Complete the following Steps a and b to change the two fields under `Call Transfer Out of Audix` to match the same fields under the AUDIX R1 System:Appearance screen.

    a. In the `Transfer Type` field press ⌐CHOICES⌐ (F6) and select the appropriate transfer type.

      b. Tab to the `Covering Extension` field and type in the appropriate extension number.

11. Press ⬭CANCEL (F1).

    The system displays the AUDIX Administration screen (Figure 2-50).

12. Enter **list attendant**.

    The system displays List Attendant window (Figure 2-59).

```
AUDIX            Active          Alarms: MmwA            Logins: 1
list attendants                                             Page 1
                          LIST ATTENDANT

Extension    Name












Press [NextPage], [PrevPage] or [Cancel]
enter command: list attendants
```
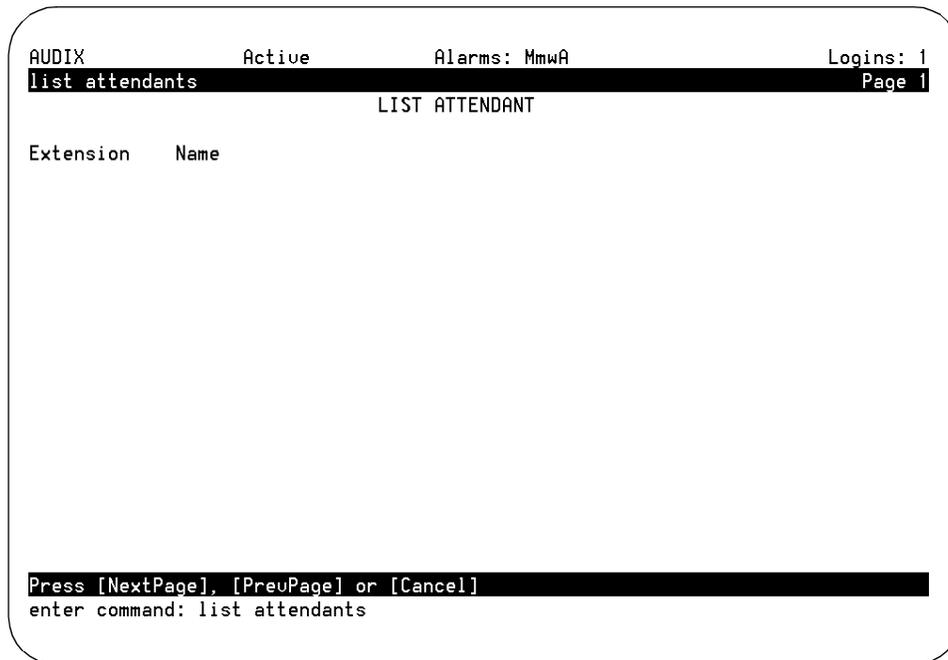
Figure 2-59.   List Attendant Window

13. Print the screen or record all the auto attendants and extensions in the screen.

14. Press ⬭CANCEL (F1).

    The system displays the AUDIX Administration screen (Figure 2-50).

15. At the command line on the AUDIX R1 entry screen, enter **system:attendant**.

16. Type each auto attendant (from Step 16) name and extension into the `Name` and `Automated Attendant Extension` fields and press ⬭ENTER (F8).

17. From the Lucent INTUITY System, enter **change subscriber**.

The system displays the Change Subscriber screen (Figure 2-60).

```
AUDIX              Active            Alarms: MmwA                    Logins: 1

Name or extension of local subscriber record to be changed
```

```
Missing Entry
enter command: change subscriber
```

Figure 2-**60.   Change Subscriber Screen**

18. Type in the auto attendants and extensions (from Step 16).

19. Press (CANCEL) (F1).

    The system displays the AUDIX Administration screen (Figure 2-50).

20. Enter **add subscriber**.

    The system displays the `Add Subscriber` field (Figure 2-25).

21. Add a user name and the extension for the broadcast mailbox.

22. Tab to the `Broadcast Mailbox` field and enter **y**.

23. Press (CANCEL) (F1).

    The system displays the AUDIX Administration screen (Figure 2-50).

24. Enter **change system-parameters features**.

    The system displays the Change System-Parameters Features screen (Figure 2-58).

25. Press (NEXTPAGE) (F7).

26. Enter the broadcast mailbox extension, from Step 22, into the `Broadcast Mailbox Extension` field.

27. Press (CANCEL) (F1).

28. Enter **exit**.

   The system displays the AUDIX Administration screen (Figure 2-50).

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.

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. Turn off the power switch in the lower cabinet.

5. Turn off the power switch 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.*

> **NOTE:**
> 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 theTN535 procmon circuit card.

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 Lucent INTUITY system has been successfully completed, you must administer the switch associated with the Lucent INTUITY system.

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

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

- *Lucent INTUITY Integration with System 75, DEFINITY Communications System Generic 1 and 3*

- *Lucent INTUITY Integration with System 85 and DEFINITY Communications System Generic 2*

- *Lucent INTUITY MAP/5 Hardware Installation, INTUITY MAP/40 Hardware Installation* or *Lucent 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.	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 Lucent INTUITY system. (Optional) ■ These new voice ports will allow users 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. ➤ **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.	■ System 75, G1, and G3 - Chapters 3, 4, or 5 in the associated Lucent INTUITY Switch Integration book ■ System 85 and G2 - Chapter 3 in the associated Lucent INTUITY Switch Integration book
2.	Create a new AUDIX R1 hunt group. ■ This creates a new telephone number users 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.	■ For System 75, G1, and G3 - Chapters 3, 4, or 5 in the associated Lucent INTUITY Switch Integration book ■ For System 85 and G2 - Chapter 3 in the associated Lucent INTUITY Switch Integration book

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

Task	Description	Reference
3.	Create two test user stations with the existing AUDIX R1 coverage path. ■ This lets you test the switch connections and the Lucent INTUITY AUDIX system before putting it into service for real users. Use the extensions of these stations when you add test users on the Lucent INTUITY AUDIX system.	■ For System 75, G1, and G3 - Chapter 8 in the associated Lucent INTUITY Switch Integration book ■ For System 85 and G2 - Chapter 6 in the associated Lucent INTUITY Switch Integration book

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

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

You cannot use the AUDIX R1 system cables for connecting the Lucent INTUITY system to the switch. Therefore, you must cable the Lucent INTUITY system to the switch as if it were a new installation. Table 2-4 lists the tasks you must complete to cable the Lucent 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 Lucent INTUITY AUDIX System and Recable the
AUDIX R1 System (Enhanced Migration)**

Task	Description	Reference
1.	Busy out the old AUDIX R1 voice ports. ■ This lets you remove the voice port cabling.	■ For System 75, G1, and G3 - Chapters 3, 4, or 5 in the associated Lucent INTUITY Switch Integration book ■ For System 85 and G2 - Chapter 3 in the associated Lucent INTUITY Switch Integration book
2.	Disconnect the voice port cabling to the AUDIX R1 system and cable the voice ports to the Lucent INTUITY AUDIX system	The appropriate switch installation book.
3.	Power down the Lucent 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.	*AUDIX Installation*
6.	Connect the BX.25 cabling to the Lucent INTUITY AUDIX system.	*Lucent INTUITY MAP/5 Hardware Installation*, *INTUITY MAP/40 Hardware Installation*, or *Lucent INTUITY MAP/100 Hardware Installation*
7.	Turn on the Lucent INTUITY machine and log on ■ This puts the Lucent INTUITY system into service for the test stations.	*Lucent INTUITY MAP/5 Hardware Installation*, *INTUITY MAP/40 Hardware Installation* or *Lucent INTUITY MAP/100 Hardware Installation*
8.	Connect the AUDIX R1 cabling to the new AUDIX R1 voice ports	*AUDIX Installation*

Migrating from DEFINITY AUDIX

3

A DEFINITY AUDIX customer must migrate to the INTUITY AUDIX system from one of three 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 AUDIX system.

- Digital Port emulation (DP) mode on DEFINITY AUDIX R3.1 or earlier

   Replaces the DEFINITY AUDIX system but requires the installation of a data link cable and administration of the data link for the INTUITY AUDIX system.

The customer can keep the DEFINITY AUDIX connected as a tandem system if additional voice ports beyond those of the INTUITY AUDIX system are necessary. However, this option requires the readministration of the DEFINITY AUDIX hunt group since it is assumed that the customer will want to use the existing AUDIX extension for the INTUITY AUDIX system. On a System 75, G1, G3s, or G3i, 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 G3r, 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 AUDIX 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 AUDIX 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 AUDIX 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 AUDIX installation hardware

You will need the following books:

- *Lucent INTUITY Messaging Solutions R4.0 MAP/40 and MAP/40s Maintenance* or *Lucent INTUITY Messaging Solutions R4.0 MAP/100 Maintenance*

- *Lucent INTUITY Integration with System 75, DEFINITY Communications System Generic 1 and 3*

- *Appropriate installation book for Lucent INTUITY Messaging Solutions R4.0*

- The 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 system to the INTUITY AUDIX 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.	Turn off the Switch Voice Ports (If in DP Mode)	
4.	Cable the INTUITY AUDIX voice ports	
5.	Back-up the DEFINITY AUDIX data	
6.	Verify the installed migration software	
7.	Install the migration software (if necessary)	
8.	Connect the Small Computer System Interface (SCSI) tape drive	
9.	Preadminister the INTUITY AUDIX system	
10.	Run the data transfer	
11.	Check the log file	
12.	Verify the transfer of data	
13.	Remove the migration software	
14.	Cable the INTUITY AUDIX system	
15.	Complete Administration of the Switch	
16.	Continue with Additional Installation Tasks	

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

If the DEFINITY AUDIX system is in DP/DS 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 machine names and voice IDs
	⟹ **NOTE:** If networking is active when you back-up data for the migration, the data transfer to the INTUITY AUDIX system will overwrite the address ranges that you preadministered in the INTUITY AUDIX system. Therefore, you should administer networking after the data transfer.
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: denvercl     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.
          SCSSO         amisap            24          1
          acdenver      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 by1extension
subscribersbw3         toamisaplocal subsc11bers in alp1abetical order
          calldelv      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 reponds 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) or the Switch Link DCIU-SCI screen.

```
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 - Turn off the Switch Voice Ports (If in DP Mode)

If the voice ports are in DP mode, you must turn off the switch voice ports before you backup DEFINITY AUDIX data. Otherwise, DEFINITY AUDIX data will not migrate properly.

Do the following:

1. At the switch administration terminal, enter **change station _extension_** for the first voice port in the DEFINITY AUDIX hunt group.

   The Station screen for the specific version of the switch appears.

```
change station 12007                                    Page 1 of 4

                                  STATION
      Extension: 12007          BCC: 0
           Type: 7405D          Lock Messages: n              COR: 1
           Port: 1A0507         Security Code: _              COS: 1
           Name: AUDIX TRANSFER Coverage Path: 20

    FEATURE OPTIONS
       LWC Reception? msa-spe              Coverage Msg Retrieval? y
      LWC Activation? y                               Auto Answer? n
        SMDR Privacy? ____                         Data Restriction? n
 Redirect Notification? n          Idle Appearance Preference? n
 Bridged Call Alerting? n
                                          Restrict Last Appearance? n


         Data Module? n

      Display Module? y                             Coverage Module? n
```

Figure 3-5.   Station Station Screen for Turning Off Ports

2. Enter x in the Port field, and press (ENTER).

   The cursor returns to the command line.

3. Repeat steps 1 and 2 for each voice port.

4. Call the AUDIX Upgrade Control Center at 1-800-562-8349 to change the emulation from DP to CI-mode prior to the data transfer.

Task 4 - Cable the INTUITY AUDIX Voice Ports

Cable the INTUITY AUDIX 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:

- *Lucent INTUITY Messaging Solutions R4.0 MAP/40 and MAP/40s Installation*

- *Lucent INTUITY Messaging Solutions R4.0 MAP/100 Installation*

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

Task 5 - 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 3-6).

```
drmfb2      Active    Alarms:  mwA  Thresholds: none                    Logins: 3
```

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

Figure 3-6.   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 3-7).

```
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 3-7.   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 3-8).

```
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 3-8.   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 3-9).

```
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 3-9.   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 3-10).

```
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: denvercl

       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 3-10.   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 3-11).

```
denvercl    Active    Alarms:    A  Thresholds: none                 Logins: 1
change tape                                                       Page 1 of 1
                              TAPE
Tape Drive Location: 03C1401

         Volume Type: backup

         Volume Name: R3denvercl081893

    Software Release: Release 3.0, Issue 1

        Machine Name: denvercl

       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 3-11.   Add Tape Screen

15. Enter a volume type and volume name.

16. Place the second 160-Mbyte tape in the tape drive and press F3 (Enter).

17. Enter **save voice**.

The system responds with the Save Voice screen (Figure 3-12).

```
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 3-12.   Save Voice Screen

18. Press ⒡⒊ (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 3-13).

```
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: denvercl

      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 3-13.   Remove Tape Screen

20. Press F3 (Enter).

21. Remove the tape from the tape drive.

22. Log out of the DEFINITY AUDIX system.

Task 6 - Verify the Installed Migration Software

1. Log on to the INTUITY AUDIX system using the *craft* login.

2. Starting at the Lucent INTUITY Main Menu, select:

> > Customer/Services Administration
>
> > System Verification
>
> > View Installed Software
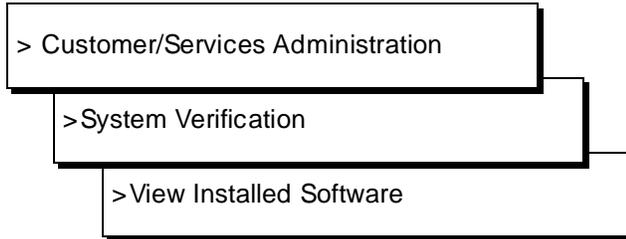
The system responds with the View Installed Software screen (Figure 3-14).

```
                    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 VM            AUDIX(R) Module marker file
intuity     VM-dfltdb    AUDIX(R) Default db
intuity     VM-files     AUDIX(R) Files
intuity     VM-sw        AUDIX(R) Software
intuity     VM-upg       AUDIX(R) Upgrade
Intutity    VoiceCalc    Interactive Voice Calculator
system      acp          Enhanced Application Compatibility
system      audfs        AUDIX File system
```

Figure 3-14. 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 "Task 8 - Connect the Small Computer System Interface (SCSI) Tape Drive". If these items are *not* listed, go to "Task 7 - Install the Migration Software".

Task 7 - **Install the Migration Software**

> **NOTE:**
> If the software has not previously been installed (see "Task 6 - Verify the Installed Migration Software"), this task *must* be completed. If the software has been previous installed, go to "Task 8 - Connect the Small Computer System Interface (SCSI) Tape Drive".

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

1. Locate the floppy disk that contains the migration software. This disk is shipped with the INTUITY AUDIX system.

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

```
>System Management
    >UNIX Management
        >Software Install
            Floppy Drive
```
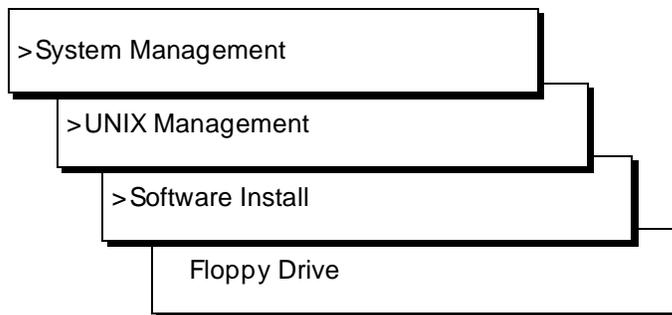
The system responds with the following prompts:

> **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] 4.0-8**
> **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} 4.0-8**
   > **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 Lucent INTUITY Main Menu.

11. Log off the system.

    ➡ **NOTE:**
    The system does not display the Migration menu option on the Lucent INTUITY Main Menu until you log on to the system.

Task 8 - Connect the Small Computer System Interface (SCSI) Tape Drive

The standard INTUITY AUDIX 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 AUDIX system.

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

> >System Management
>
> >System Control
>
> >Shutdown Voice System
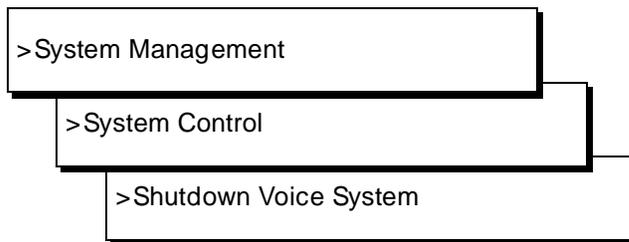
The system responds with the following prompt:

Enter y to continue, n to quit

2. Enter **y**.

The system responds with the following text:

INIT: New run level: 0
The system is coming down. Please wait

NOTICE: GPSC-AT: Abnormal termination of RSE activities on device 62/0

WARNING: vxfs: vx_unmountroot - root file system is busy and can't be unmounted cleanly

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 Lucent INTUITY computer (Figure 3-15). Make sure that the cable clips are locked in place.

⚠ **CAUTION:**
The tape drive cable is a custom cable. Be sure the cable is correctly seated before starting the data transfer. The transfer can fail midway if this cable is not properly seated. If the transfer does fail, try reseating the cable and restarting the transfer.
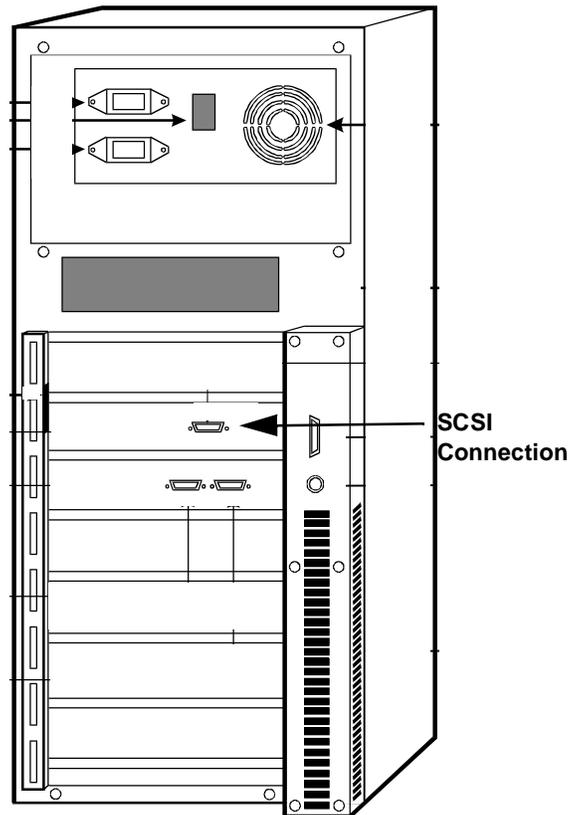
Figure 3-15.   SCSI Card Connection on MAP/40

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**.

    The system displays the following text:

    Please wait while the system is examined. This may take a few minutes.

    The system continues displaying text until you get the following prompt:

    Startup of the Voice System is complete.
    Console Login:

8. Log into the system.

Task 9 - Preadminister the INTUITY AUDIX System

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

- Extension length
- Networked machines

Stop the Voice System

1. From the Lucent INTUITY main menu, select:

> Customer/Services Administration

>System Management

>System Control
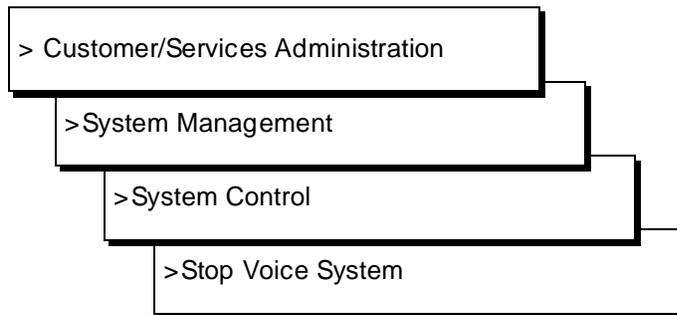
>Stop Voice System

The system displays the Wait Time window (Figure 3-16):

```
Wait Time
Seconds: █
```

Figure 3-16. Wait Time window

2. Enter a number of seconds (60 to 600) that the system should wait to clear current calls before stopping the voice system. A recommended number is 180.

3. Press F3 (Save).

The following text appears on the screen:

The Voice System is now stopping.

Initiating request to clear all calls in the next XXX 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.

Additional text appears on the screen until the system displays the following prompt:

Press RETURN to continue

4. Press ⸢ENTER⸣.

The System Control menu appears.

Extension Length

1. From the Lucent INTUITY main menu, select the Switch Interface Administration menu option.

The system responds with the Switch Interface Administration screen (Figure 3-17).
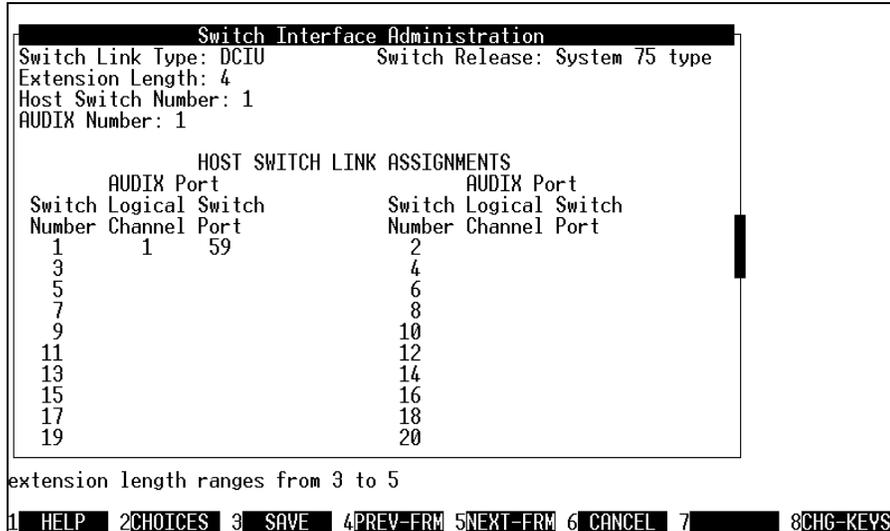
```
              Switch Interface Administration
Switch Link Type: DCIU          Switch Release: System 75 type
Extension Length: 4
Host Switch Number: 1
AUDIX Number: 1

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

extension length ranges from 3 to 5

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

Figure 3-17.   Switch Interface Administration Screen

2. Compare the `Extension Length` field on the Switch Interface Administration screen and the `Ext Length` field on the DEFINITY AUDIX Machine Profile 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 DEFINITY AUDIX system.

4. Press F3 (Save) to temporarily save the extension length change and continue with step

    The message `command successfully completed` appears.

5. Press F6 (Cancel) to return to the Lucent INTUITY main menu.

Networked Machines

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

- Machine names

- Dial strings

- Extension ranges

In addition, you *must* enter:

■ Machine names in the order of the voice IDs assigned to each machine on the DEFINITY AUDIX `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 users.

1. From the Lucent INTUITY main menu, select the following sequences of menu options.

> Networking Administration

>Remote Machine Administration

>AMIS Analog Machine Administration
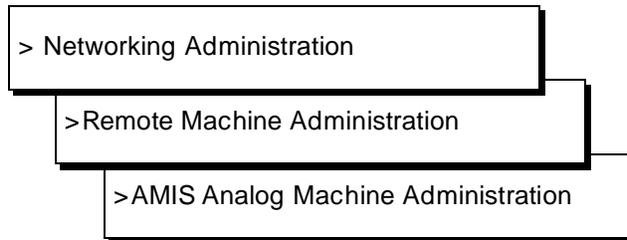
The system responds with the selected network machine administration screen.

2. Using the *AMIS Analog Networking* book, administer the selected networked machine.

3. Repeat steps 1 and 2 for each remote networked machine.

4. Press F6 (Cancel) three times to return to the Lucent INTUITY main menu.

5. At the Lucent INTUITY Main Menu, select:

> AUDIX Administration

The system displays a blank screen (Figure 3-18).

```
AUDIX              Active           Alarms: none                    Logins: 8




















enter command:
```
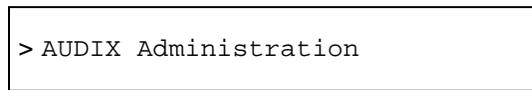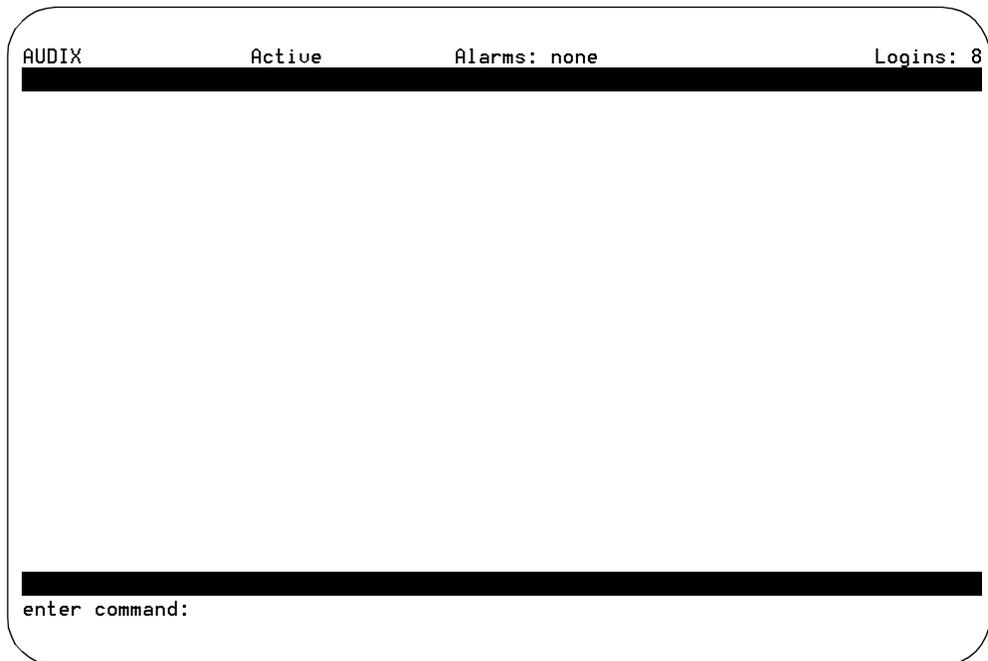
Figure 3-18.   Blank AUDIX Screen

> 6. Enter **change machine *machine_name*** at the `enter command:` prompt.
>
> The system displays the Machine Profile screen (Figure 3-19) for the system you named.

```
drmid2            Active              Alarms:  mwA                     Logins: 2
change machine drbig1                                                 Page 1 of 2
                              MACHINE PROFILE

Machine Name: drbig1        Type: UEX              Location: remote-digital

 Voiced Name? n                            Extension Length: 5
    Voice ID: 2                            Default Community: 1

ADDRESS RANGES
    Prefix                      Start Ext.   End Ext.       Warnings
 1: mac3                        82000        87999
 2: _____           _____     _____
 3: _____           _____     _____
 4: _____           _____     _____
 5: _____           _____     _____
 6: _____           _____     _____
 7: _____           _____     _____
 8: _____           _____     _____
 9: _____           _____     _____
10: _____           _____     _____


enter command: change machine drbig1
```
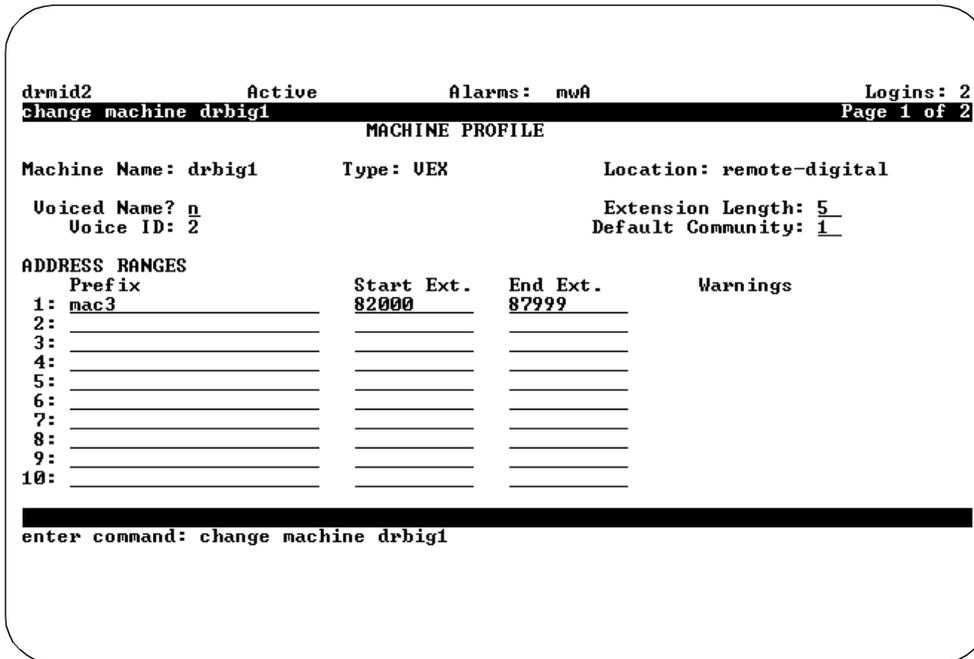
Figure 3-19.   Machine Profile Screen for a Remote System

7. Using the *AMIS Analog Networking* book, administer the extension range(s) for the selected networked machine. The range should start with **000000** and end with **999999**.

8. Repeat steps 6 and 7 for each remote networked machine.

> **NOTE:**
> You may need to perform many other tasks associated with networking. See the appropriate installation book for Lucent INTUITY Messaging Solutions R4.0.

Task 10 - **Run the Data Transfer**

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

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

   The system responds with the Lucent INTUITY Main Menu (Figure 3-20).

```
        INTUITY (TM) Main Menu
  AUDIX Administration
  Customer/Services Administration
  Migrations
  Networking Administration
  Switch Interface Administration
  Upgrade
  Voice System Administration
```
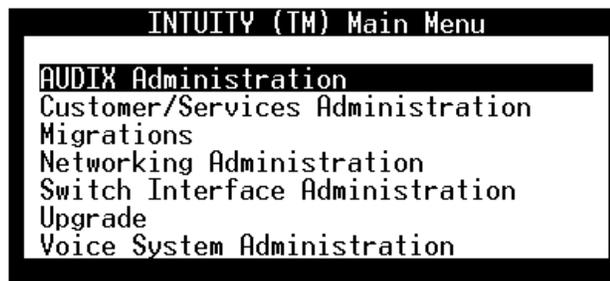
Figure 3-20.   Lucent INTUITY Main Menu

2. Select the Migrations menu option.

The system responds with the Migration menu (Figure 3-21).

```
==== 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 3-21.   Migration Menu

3. Enter **3**, Transfer data from DEFINITY AUDIX.

The system responds with the Migration From DEFINITY AUDIX menu (Figure 3-22).

```
==== Migration From DEFINITY AUDIX ====

1) Migrate
2) Display Log File
3) Logout

Select option () [ 1 ] :
```

Figure 3-22.   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, 3.0, or 3.1. Cannot handle the release.	Call the remote maintenance center.
Cannot cpio from the tape.	Call the remote maintenance center.

Task 11 - **Check the Log File**

Check the log file to see if you missed any error messages that may have appeared during the data transfer.

> ➡ **NOTE:**
> To exit the log file before you reach the end, enter **q**.

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 to return to the Migration From DEFINITY AUDIX menu.

5. Select option **3**, Logout.

   The system displays the Migration main menu.

6. Select option **6**, Exit.

Restart the INTUITY AUDIX Voice System

After the completion of the data transfer, the INTUITY AUDIX voice system must be restarted.

1. Select the following to restart the INTUITY AUDIX voice system:

> Customer/Services Administration

>System Management

>System Control
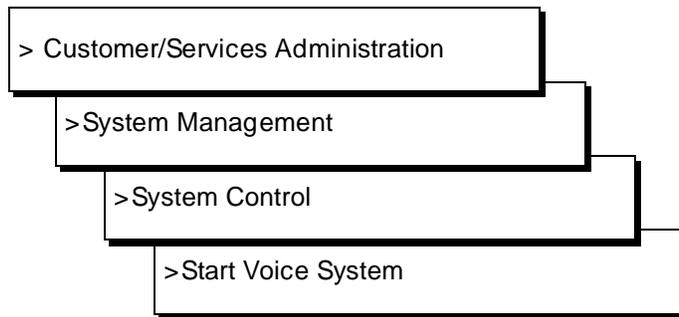
>Start Voice System

The system responds with the following prompt:

Enter y to continue, n to quit

2. Enter **y**.

3. Select `Start Voice System`.

The following text appears on the screen to verify the system is restarting.

The Voice System is starting

INIT: New run level 4

NOTICE: * *** *** rmiReset *** *** *****

The system displays additional messages about initializations and checks. Finally, the following prompt appears:

Hit acknowledge key to continue.

4. Press F1 (Acknowlg Message) to return to the System Control menu.

5. Press F6 (Cancel) three times to return to the Lucent INTUITY Main Menu.

Task 12 - Verify the Transfer of Data

Once the data transfer is complete and you have restarted the voice system, you must verify that the user data has transferred successfully. To verify the transfer of users, you should check the following:

- List of users
- List of remote users (if any)
- Two class-of-service numbers
- Six users extensions well-spaced throughout the range of users you transferred
- Six remote users (if any)
- Number of local and remote users
- Machine names and voice IDs
- Extension length

At the Lucent INTUITY Main Menu, select AUDIX Administration.

List of Users

1. At the AUDIX Administration command line, enter **li e**.

   The system responds with the List Extension screen (Figure 3-23).

```
AUDIX           Active           Alarms: MmwA              Logins: 5
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, 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 3-23.   List Extension Screen

2. To approximate the number of users 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 users on the DEFINITY AUDIX, 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 Users

1. Enter **li remote-ex** *machine- name.*

   ⇒ **NOTE:**
   Machine-name is the remote machine whose users you are checking.

   The system responds with the List Remote Extensions screen (Figure 3-24).

```
                    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 3-24. List Remote Extensions Screen

2. To approximate the number of users 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 users on the DEFINITY AUDIX, 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.

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 3-25 and Figure 3-26).

```
AUDIX              Active            Alarms: MmwA                    Logins: 4
change cos 1                                                      Page 1 of 2
                                CLASS OF SERVICE


            Name: class01        COS Number: 1           Modified? n
Addressing Format: extension


                                    Login Announcement Set: System
System Multilingual is OFF       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? n            Broadcast: none          IMAPI Access? n
  IMAPI Message Transfer? n        Fax Creation? n    Trusted Server Access? n




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

Figure 3-25.   Class of Service Screen 1

```
AUDIX            Active           Alarms: MmwA                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: funda
 Retention Times(days),File Cab: 10     Delivered/Nondeliverable: 5


Voice Mail Message (seconds),  Maximum Length: 120  Minimum Needed: 40
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 3-26.   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 1 and 2 for another class-of-service number.

4. Press Ⓕ1 (Cancel) to return to the command line.

User Extensions

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

   ➡ **NOTE:**
   Extension is a user extension you are checking.

   The system responds with the Subscriber screens (Figure 3-27 and Figure 3-28).

```
AUDIX            Active          Alarms: MmwA                  Logins: 5
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 3-27.   Subscriber Screen

```
AUDIX              Active              Alarms: MmwA                  Logins: 4
change subscriber 80070                                          Page 2 of 2
                   SUBSCRIBER CLASS OF SERVICE PARAMETERS
Addressing Format: extension           Login Announcement Set: System
System Multilingual is OFF       Call Answer Primary Annc. Set: System
Call Answer Language Choice? n  Call Answer Secondary Annc. Set: System

PERMISSIONS
      Type: call-answer      Announcement Control? y          Outcalling? n
      Priority Messages? y             Broadcast: none      IMAPI Access? y
  IMAPI Message Transfer? y        Fax Creation? y  Trusted Server Access? y

INCOMING MAILBOX           Order: fifo             Category Order: nuo
  Retention Times (days),   New: 10      Old: 10        Unopened: 10
OUTGOING MAILBOX           Order: fifo             Category Order: unfda
Retention Times(days), File Cab: 10     Delivered/Nondeliverable: 5

Voice Mail Message (seconds),  Maximum Length: 300  Minimum Needed: 32
Call Answer Message (seconds), Maximum Length: 120  Minimum Needed: 8
        End of Message Warning Time (seconds):
        Maximum Mailing Lists: 25     Total Entries in all Lists: 250
Mailbox Size (seconds), Maximum: 1200            Minimum Guarantee: 0


enter command: change subscriber 80070
1Cancel   2Refresh  3Enter    4ClearFld 5Help      6Choices  7NextPage 8PrevPage
```

Figure 3-28.   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 "Task 11 - Check the Log File" procedure for further information.

3. Repeat steps 1 and 2 for five other users.

4. Press F1 (Cancel) to return to the command line.

Remote Users

1. Enter **di re** *name.*

   ➡ **NOTE:**
   Name is the name of a remote user you are checking.

   The system responds with the Remote Subscriber screen (Figure 3-29).

```
drmid11              Active              Alarms: MmwA               Logins: 3
change remote-subscriber drmid10 36108                           Page 1 of 1
                        REMOTE SUBSCRIBER

Subscriber Name: adler,sharon                  Extension: 36108
   Machine Name: drmid10
        Address: 36108

        Community ID: 1
        Administered? y
        Voiced Name? y
Non-Administered Type:              Last Usage Date: 01/20/96




enter command: change remote-subscriber drmid10 36108
1Cancel   2Refresh  3Enter    4ClearFld 5Help     6Choices  7NextPage 8PrevPage
```

Figure 3-29.   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 1 and 2 for five other remote users.

4. Press F1 (Cancel) to return to the command line.

Number of Local and Remote Users

1. Enter **ch sy lim** and press ENTER.

   The system responds with the System-Parameters Limits screen (Figure 3-30).

```
drmid2              Active           Alarms:  mwA                    Logins: 2
list measurements feature day                                        Page 1
                          FEATURE DAILY TRAFFIC

   Date : 06/18/96                           Ending Time : 16:05

Maximum Average Ports in Use: 0.0

SUBSCRIBERS
    Local: 46            Remote: 744        Non Administered Remote: 9


                        VOICE MAIL
Successful Logins, External: 0                        Internal: 0
Failed Logins,     External: 0                        Internal: 0
Session Usage (Seconds)    : 0


                        CALL ANSWER
Completed Calls,   External: 0                        Internal: 0
Abandoned Calls,   External: 0                        Internal: 0
 Session Usage (Seconds)   : 0
Press [NextPage], [PrevPage] or [Cancel]
enter command: list measurements feature day
```

Figure 3-30.   System-Parameters Limits Screen

2. Compare the number of users in the `Subscribers, Local` field with the number of local users on the print-out of the DEFINITY AUDIX `Feature Daily Traffic` screen.

3. Compare the number of remote user in the `Administered Remote` field with the number of remote users 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.

Task 13 - 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:

> Customer/Services Administration

> System Management

> UNIX Management

> Software Remove
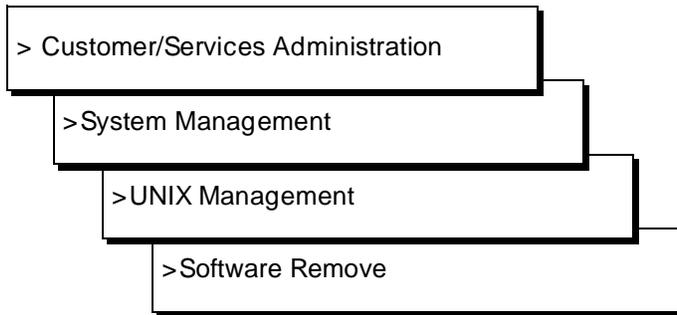
The system responds with the following installed software list (Figure 3-31).

```
The following packages are available:
  1  IVC6DI          AT&T Intuity IVC6 Device Interface for softFAX 2.0
                     (x86svr4_ints1) 2.0c120110
  2  IVR             Intuity Intro Voice Response Set
                     (486) 1.0-16
  3  VM              AUDIX(R) Module marker file
                     (AUDIX) NA
  4  VM-dfltdb       AUDIX(R) Default db
                     (AUDIX) 2.0-18
  5  VM-files        AUDIX(R) Files
                     (AUDIX) 3.3-23
  6  VM-sw           AUDIX(R) Software
                     (AUDIX) 3.3-23
  7  VM-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 3-31.   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) 4.0-8

   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) 4.0-8

   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 Voice System

Once the migration software has been removed, the INTUITY AUDIX 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><Del> 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
   Lucent INTUITY computer.

Task 14 - Cable the INTUITY AUDIX System

You must cable the INTUITY AUDIX 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).	*DEFINITY AUDIX Installation*
2.	Connect the BX.25 cabling to the INTUITY AUDIX system. This connection requires either an IDI or a modem connection.	*Lucent INTUITY Messaging Solutions R4.0 MAP/40 and MAP/40s Installation* or *Lucent INTUITY Messaging Solutions R4.0 MAP/100 Installation*
3.	Turn on the Lucent INTUITY machine and log on. This puts the INTUITY AUDIX system into service for the test stations.	*Lucent INTUITY Messaging Solutions R4.0 MAP/40 and MAP/40s Installation* or *Lucent INTUITY Messaging Solutions R4.0 MAP/100 Installation*

Task 15 - Complete Administration of the Switch

Table 3-5 lists the switch administration tasks you must complete.

> **NOTE:**
> Be sure to use the DEFINITY AUDIX hunt group for the INTUITY AUDIX system. You will avoid having to readminister user coverage paths on the switch.

Table 3-5.   Switch Administration Tasks

Task	Description	Reference
1.	Readminister the DEFINITY user stations and voice port hunt group (if DEFINITY AUDIX was in DP mode). This is necessary so that message waiting lights will light correctly. If the DEFINITY AUDIX system was in DP mode, you must do the following: ■ Identify each user's station as a 2500 station with the LWC Reception field set to **AUDIX**, LWC activation set to **y**, and Redirect Notification set to **y** (see "Sample User Station Screen"). ■ Change the hunt group for the voice ports so that the Message Center name is **AUDIX**, not **none** (see "Sample Hunt Group Screen").	Chapters 3, 4, or 5 in the associated Lucent INTUITY Switch Integration book
2.	Add the INTUITY AUDIX voice ports to the hunt group. This allows the customer's users to use the same phone number on the Lucent INTUITY system that they used for the DEFINITY AUDIX system. The DEFINITY AUDIX voice ports must be removed from this hunt group.	Chapters 3, 4, or 5 in the associated Lucent INTUITY Switch Integration book.
3.	Administer the data link (if not previously in CL Mode) The PI or PGATE circuit card must be administered.	Chapters 3, 4, or 5 in the associated Lucent INTUITY Switch Integration book

```
add station 12001                                            Page 1 of 1
                              STATION
     Extension: 12001      BCC: 0
                       Type: 2500         Lock Messages: n          COR: 1
          Port: 01A0501       Security Code: ____       COS: 5
          Name: AUDIX 1       Coverage Path:       Tests? n


          FEATURE OPTIONS
          LWC Reception? audix               Coverage Msg Retrieval? n
          LWC Activation? y                            Auto Answer? n
            CDR Privacy? n                          Data Restriction? n
    Redirect Notification? y              Call Waiting Indication? n
     Off Premise Station? n          Att. Call Waiting Indication? n
       R Balance Network? n              Distinctive Audible Alert? n
        Switchhook Flash? y             Message Waiting Indicator: _
                                      Station Adjunct Supervision: y


          AUDIX Name: AUDIX
    Message Server Name: _____           Audible Message Waiting? n
```

Figure 3-32.   Sample User Station Screen

```
add hunt-group 10                                      Page 1 of 6
                            HUNT GROUP

      Group Number:10          Group Extension: 12000   Group Type: ucd
        Group Name: AUDIX          Coverage Path: _____        COR?: 1
      Security Code: _____       Message Center: audix         ACD? n
            Queue? y Night Service Destination: ____      Vector? n

   ISDN Caller Disp: _____


               Queue Length: 16
     Calls Warning Threshold: __              Calls Warning Por: _____
      Time Warning Threshold: ___             Time Warning Port: _____
 First Announcement Extension: _____ First Announcement Delay (sec): ___
```

Figure 3-33.   Sample Hunt Group Screen

Task 16 - **Continue with Additional Installation Tasks**

To complete the migration, you (or the customer) must complete a number of additional installation tasks. These may include:

- Administering additional languages

- Testing alarms

- Administering remote terminals

- Administering modems

- Administering printers

- Backing up the system

- Administering analog networking

- Administering digital networking

- Administering remote machines

If the customer is responsible for these tasks, give the customer all printouts from the DEFINITY AUDIX system to assist in readministering the new system.

For more information, see *Lucent INTUITY Messaging Solutions R4.0 MAP/40 and MAP/40s Installation* or *Lucent INTUITY Messaging Solutions R4.0 MAP/100 Installation*.

In addition, if the customer has digital networking, the customer should manually run remote updates after digital networking has been readministered.

Migrating from AUDIX Voice Power

4

This chapter presents the information for a migration from AUDIX Voice Power to the Lucent INTUITY system. The following AUDIX Voice Power releases can be migrated to the Lucent INTUITY system:

- Release 2.0

- Release 2.1

- Release 2.1.1 (also available from Integrated Solutions III)

- Release 3.0

Materials and Information Needed

You need the following items to successfully complete an AUDIX Voice Power migration:

- Migration software

- Migration checklist

- Lucent INTUITY hardware

- A 3 1/2" 1.44-Mbyte floppy disk.

- The following books:

    — *Lucent INTUITY Messaging Solutions R4.0 MAP/40 and MAP/40s Maintenance* or *Lucent INTUITY Messaging Solutions R4.0 MAP/100 Maintenance*

    — *Lucent INTUITY Integration with System 75, DEFINITY Communications System Generic 1 and 3*

    — *Appropriate installation book for Lucent INTUITY Messaging Solutions R4.0*

    — The installation book for the customer's switch

Customer Verification

Verify that the customer understands the following:

- User stations on the AUDIX Voice Power system may vary in extension lengths (extensions may have 3 to 5 digits).

- User 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 Lucent INTUITY system. This is because the Lucent INTUITY system lists user names with last names first. The AUDIX Voice Power system lists users' first names first. The transfer process moves any affixes to the first position, which should normally be the users' last names. The customer must change these names with affixes manually after the transfer.

You should also verify that the customer has:

- Readministered the switch so that station extension lengths match the proposed extension length on the Lucent INTUITY system. If a user's extension length does not match the length defined on the Lucent INTUITY system, that user's data will not migrate, nor will the user be added to the system until the extension length is changed.

    In addition, if a user's personal operator number is 0 or is an extension whose length is different from that specified for Lucent INTUITY, the user's data will not migrate, nor will the user be able to be added to the system until the length of the number is changed.

Therefore, the customer should have readministered each user to eliminate any personal operator number that will cause this problem.

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 Lucent INTUITY system.

Table 4-1.   Migration Checklist

Task	Description	✔
1.	Install the circuit card	
2.	Cable the switch	
3.	Cable the Lucent INTUITY voice ports	
4.	Get the AUDIX Voice Power profile	
5.	Back-up the AUDIX Voice Power data	
6.	Pre-administer the Lucent 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 ➡ **NOTE:** You should use the Digital Communications Protocol (DCP) extension for the AUDIX Voice Power system as the extension for the Lucent INTUITY hunt group. This allows users to dial into the Lucent INTUITY system using the same telephone number they previously used to dial into the AUDIX Voice Power system.	

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 Lucent 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.	Chapters 3, 4, or 5 in the associated Lucent INTUITY Switch Integration book
2.	Connect the BX.25 cabling to the Lucent INTUITY system. This connection requires either an Isolating Data Interface (IDI) or a modem connection.	*Lucent INTUITY MAP/40 Hardware Installation* or *Lucent INTUITY MAP/100 Hardware Installation*

Task 3 - Cable the Lucent INTUITY Voice Ports

Cable the Lucent 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:

- *Lucent INTUITY Messaging Solutions R4.0 MAP/40 and MAP/40s Installation*

- *Lucent INTUITY Messaging Solutions R4.0 MAP/100 Installation*

When you administer the voice ports, do one of the following:

- Create a new Lucent 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 Lucent 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 Lucent INTUITY hunt group.

- Do *not* create a new Lucent INTUITY hunt group until "Task 13 - Administer the Automated Attendants". 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 user 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:

:

> Voice System Administration

>Application Package Administration

>AUDIX Voice Power

>System Parameter Administration
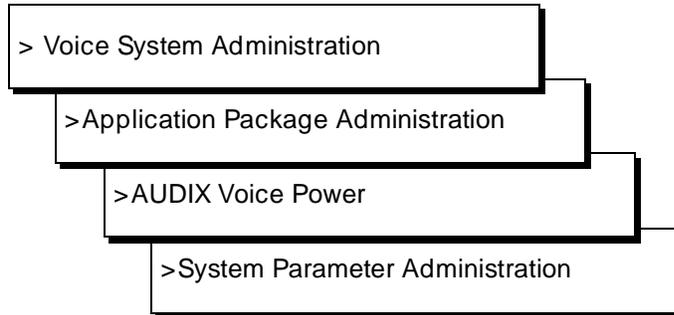
The system responds with the System Parameter Administration screen (Figure 4-1).

```
                    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).
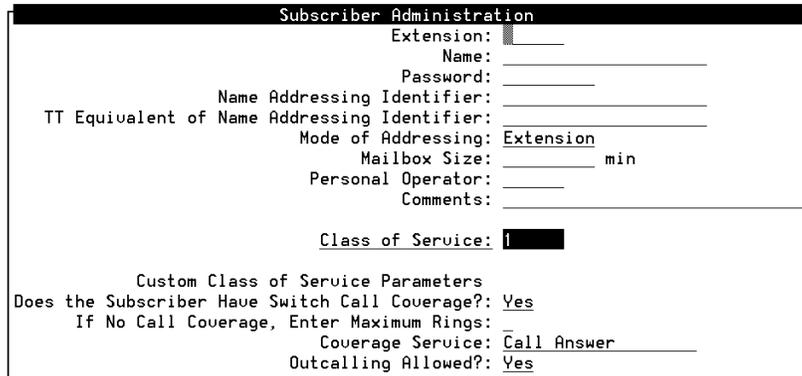
```
                      Subscriber Administration
                             Extension: █_____
                                  Name: _____
                              Password: _____
             Name Addressing Identifier: _____
  TT Equivalent of Name Addressing Identifier: _____
                      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 user 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/rdsk/f0

   ■ For Release 2.0, 2.1, or 2.1.1:

   find /usr/vmdb /usr/ocdb -print|cpio -ocvBud > /dev/rdsk/f0

   The system responds by loading the user 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 Lucent INTUITY System

Before you transfer data from the AUDIX Voice Power to the Lucent INTUITY system, you must ensure that the Lucent 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 Lucent INTUITY system using the *craft* login.

2. From the Lucent INTUITY Main Menu, select Switch Interface Administration.

   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                       AUDIX Port
 Switch Logical Switch            Switch Logical Switch
 Number Channel Port              Number Channel Port
   1       1    59                  2
   3                                4
   5                                6
   7                                8
   9                               10
  11                               12
  13                               14
  15                               16
  17                               18
  19                               20
extension length ranges from 3 to 5

1  HELP    2CHOICES  3  SAVE    4PREV-FRM 5NEXT-FRM 6 CANCEL  7          8CHG-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) 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 Voice Power system.

5. Press F3 (Save) to save the extension length change.

   The message `command successfully completed` appears. You will return to the Lucent INTUITY Main Menu.

6. Select:

> Customer/Services Administration

> System Management

> System Control
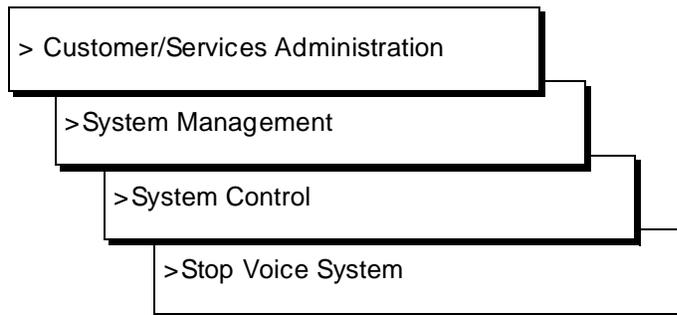
> Stop Voice System

The system displays the Wait Time window (Figure 4-4):

Figure 4-4. Wait Time window

7. Enter a number of seconds (60 to 600) that the system should wait to clear current calls before stopping the voice system. A recommended number is 180.

8. Press F3 (Save).

The following text appears on the screen:

The Voice System is now stopping.

Initiating request to clear all calls in the next XXX 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.

Additional text appears on the screen until the system displays the following prompt:

Press RETURN to continue

9. Press ENTER.

   The System Control menu appears.

10. 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 is restarting.

The Voice System is starting

INIT: New run level 4

NOTICE: *   ***   ***   rmiReset   ***   ***   ***

The system displays additional messages about initializations and checks. Finally, the following prompt appears:

Hit acknowledge key to continue.

11. Press F1 (Acknowlg Message) to return to the System Control menu.

12. Press F6 (Cancel) to return to the Lucent INTUITY Main menu.

Range of Extensions

1. At the Lucent INTUITY Main menu, select AUDIX Administration.

   A blank AUDIX screen appears.

2. At the command line, enter **change machine**.

   ### ⇒ NOTE:
   Since you do not enter a machine name, the system will automatically select the local machine.

The system responds with the Machine Profile screen (Figure 4-5) .

```
AUDIX              Active           Alarms: MmwA                    Logins:
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: _____   _____    _____
                                                                          e

              change machine local
```

Figure 4-5.   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. Enter **ch sy o** at the command line.

    The system responds with the System-Parameters Outcalling screen (Figure 4-6).

```
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







                                                                            e
              change system-parameters outcalling
```

Figure 4-6.   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 ⒡③ (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 Lucent INTUITY Main Menu.

Task 7 - **Verify the Installed Migration Software**

The Lucent 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 Lucent INTUITY system.

1. Starting at the Lucent INTUITY Main Menu, select:

> \> Customer/Services Administration

> \>System Verification

> \>View Installed Software

The system responds with the View Installed Software screen (Figure 4-7).

```
                    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 4-7.   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 proceed to "Task 9 - Run the Data Transfer".

If you can not locate the migration software item, press F6 (Cancel) until you have returned to the Customer/Services Administration menu and proceed to "Task 8 - Install the Migration Software".

Task 8 - **Install the Migration Software**

> **NOTE:**
> If the migration software has already been installed on the Lucent INTUITY machine, you can skip this task. Refer to "Task 7 - Verify the Installed Migration Software" for further information.

1. Locate the floppy disk that contains the migration software. This disk is shipped with the Lucent INTUITY system.

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

> \>System Management
>> \>UNIX Management
>>> \>Software Installation
>>>> Floppy Drive
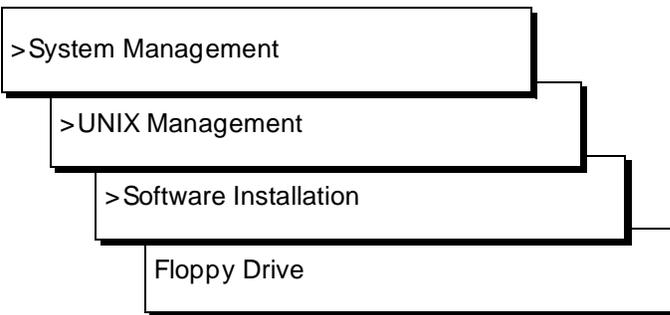
The system responds with the following prompts:

> **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] 4.0-8**
> **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 Lucent INTUITY system.

8. Log on to the Lucent INTUITY system using the *craft* log in.

> **NOTE:**
> The system will not display the Migration menu option on the Lucent INTUITY Main Menu until you log back on to the system.

Task 9 - **Run the Data Transfer**

Run the data transfer to move AUDIX Voice Power user data to the Lucent INTUITY system. The transfer of data varies, depending on the number of users whose data is transferring.

1. From the Lucent INTUITY Main Menu, select the Migrations option.

   The system responds with the Migration menu (Figure 4-8).

```
==== 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 4-8.   Migration Menu

2. Enter **2**.

   The system responds with the following message:

   Migrating to INTUITY AUDIX R4.0. Press Enter to continue ....

3. Press ENTER .

The system responds with the Migration From AVP menu (Figure 4-9).

.

```
==== Migration From AVP ====

1) Migrate
2) Display Error File
3) Logout

Select option () [ 1 ] :
```

Figure 4-9.   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 user to be assigned.

7. Press ⌨ENTER.

    The system responds with the following prompt:

    Switch Number () [0] :

8. Enter the number of the users' 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 users.

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 users on the Lucent 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 user 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 user. 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.

The system returns you to the Migration from AVP menu.

Task 10 - 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 AVP menu, select option **2**, Display Error File.

   The system responds with the Log File (Figure 4-10).

```
/usr/vmdb/pwdb
Shamim Pirzada        3477  1 0 extension 300           n 1 1
"Shamim Pirzada    "  "custom" "n" "5339" \\ "call-answer" "n" "fifo" "fifo" "n
uo" "unfda" "5" "300" "120" "32" "8" "25" \\ "250" "300 " "0" "extension" "10"
"10" "10" "10" \\ \\ "1" \\ "        " "n" \\ \\ "1" \\ "n" "none" "0800 " \\ "n"
 \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \
\ \\ \\ \\ \\ \\ \\ \\ "5" \\ "" "1"
: error 1023 at field 3 code 42
System Administrator 1111   1 0 extension 1500          y 1 1
"System Administrator" "custom" "n" "5339" \\ "call-answer" "n" "fifo" "fifo" "n
uo" "unfda" "5" "300" "120" "32" "8" "25" \\ "250" "1500" "0" "extension" "10"
"10" "10" "10" \\ \\ "1" \\ "        " "y" \\ \\ "1" \\ "n" "none" "1111 " \\ "n"
 \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \
\ \\ \\ \\ \\ \\ \\ \\ "5" \\ "" "1"
: error 1023 at field 3 code 42
other sys admin      1234   1 0 extension 1500          y 1 1
"other sys admin    "  "custom" "n" "5339" \\ "call-answer" "n" "fifo" "fifo" "n
uo" "unfda" "5" "300" "120" "32" "8" "25" \\ "250" "1500" "0" "extension" "10"
"10" "10" "10" \\ \\ "1" \\ "        " "y" \\ \\ "1" \\ "n" "none" "1234 " \\ "n"
 \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \
\ \\ \\ \\ \\ \\ \\ \\ "5" \\ "" "1"
: error 1023 at field 3 code 42
Sandra Oliver        3445  1 0 extension 1500           y 1 1
:█
```

Figure 4-10.   Logfile

2. To ensure all data transferred, page through the file by pressing (ENTER).

3. Make note of the the phone numbers that begin each log file record and the associated error codes.

Appendix A, "Migration Log File 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 Lucent INTUITY system do not match.
1023	A value is out of range.
1025	The extension already exists in the Lucent INTUITY system.
bad field	Quotation marks appear in a user's data.

4. Press ENTER twice to return to the Migration From AVP menu.

5. Select option **3**, Logout, to exit the Migration from AVP menu.

   The system returns to the Migration Menu.

6. Select option **6**, Exit, to exit the Migration menu.

   The system returns to the Main Menu.

> **NOTE:**
> To exit the log file before you reach the end, enter **q** at the colon (:).

Restart the Lucent INTUITY Voice System

Once the data transfer has been completed, you must restart the Lucent INTUITY voice system.

1. Select:
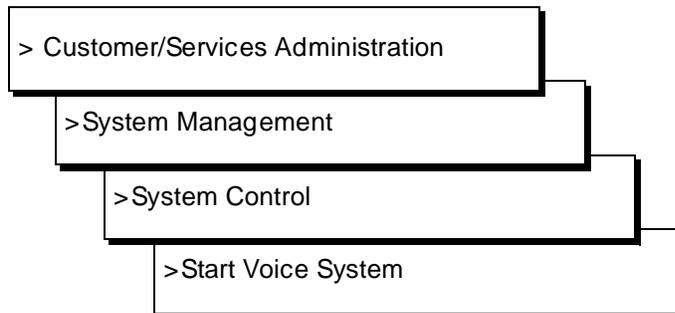
> Customer/Services Administration
>System Management
>System Control
>Start Voice System

The following text appears on the screen to verify the system is restarting.

The Voice System is starting

INIT: New run level 4

NOTICE: *** *** *** rmiReset *** *** ***

The system displays additional messages about initializations and checks. Finally, the following prompt appears:

Hit acknowledge key to continue.

2. Press F1 (Acknowlg Message) to return to the System Control menu.

   The system returns you to the System Control menu.

3. Press F6 (Cancel) three times to return to the Lucent INTUITY Main Menu.

Task 11 - Verify the Transfer of Data

You must now verify that the user data has transferred successfully. Check the following:

- List of users

- Two class-of-service numbers

- Six users extensions (well-spaced throughout the range of users you transferred)

At the Lucent INTUITY Main Menu, select the AUDIX Administration menu option.

List of Users

1. At the AUDIX Administration command line, enter **li e**.

   The system responds with the List Extension screen (Figure 4-11).

```
AUDIX           Active           Alarms: MmwA              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, 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 4-11.   List Extension Screen

2. To approximate the number of users 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 users on the AUDIX R1, you may need to manually fix some entries or rerun the data transfer. Refer to "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 4-12 and Figure 4-13).

```
AUDIX            Active          Alarms: MmwA                    Logins: 4
change cos 1                                                  Page 1 of 2
                           CLASS OF SERVICE


            Name: class01        COS Number: 1           Modified? n
Addressing Format: extension


                                     Login Announcement Set: System
System Multilingual is OFF       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? n           Broadcast: none        IMAPI Access? n
 IMAPI Message Transfer? n          Fax Creation? n   Trusted Server Access? n




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

Figure 4-12.   Class of Service Screen 1

```
AUDIX              Active              Alarms: MmwA                  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 4-13.   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 10 - Check the Log File" procedure for further information.

3. Repeat steps 1 and 2 for another class-of-service number.

4. Press Ⓕ1 (Cancel) to return to the command line.

User Extensions

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

   ⮕ **NOTE:**
   Extension is a user extension you are checking.

   The system responds with the Subscriber screens (Figure 4-14 and Figure 4-15).

```
AUDIX          Active          Alarms: MmwA               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 4-14.   Subscriber Screen

```
AUDIX              Active              Alarms: MmwA              Logins: 4
change subscriber 80070                                      Page 2 of 2
                        SUBSCRIBER CLASS OF SERVICE PARAMETERS
Addressing Format: extension            Login Announcement Set: System
System Multilingual is OFF         Call Answer Primary Annc. Set: System
Call Answer Language Choice? n  Call Answer Secondary Annc. Set: System

PERMISSIONS
        Type: call-answer     Announcement Control? y          Outcalling? n
        Priority Messages? y          Broadcast: none       IMAPI Access? y
 IMAPI Message Transfer? y        Fax Creation? y  Trusted Server Access? y

INCOMING MAILBOX           Order: fifo           Category Order: nuo
  Retention Times (days),   New: 10      Old: 10         Unopened: 10
OUTGOING MAILBOX           Order: fifo           Category Order: unfda
Retention Times(days), File Cab: 10      Delivered/Nondeliverable: 5

Voice Mail Message (seconds),  Maximum Length: 300  Minimum Needed: 32
Call Answer Message (seconds), Maximum Length: 120  Minimum Needed: 8
        End of Message Warning Time (seconds):
           Maximum Mailing Lists: 25     Total Entries in all Lists: 250
Mailbox Size (seconds), Maximum: 1200            Minimum Guarantee: 0

enter command: change subscriber 80070
1Cancel   2Refresh  3Enter    4ClearFld 5Help     6Choices  7NextPage 8PrevPage
```

Figure 4-15.   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 users.

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 Lucent INTUITY Main Menu.

Task 12 - Remove Migration Software

To preserve disk space, remove the migration software when the migration is complete.

1. At the Lucent INTUITY Main Menu, select:

> > Customer/Services Administration
>
> >System Management
>
> >UNIX Management
>
> >Software Remove
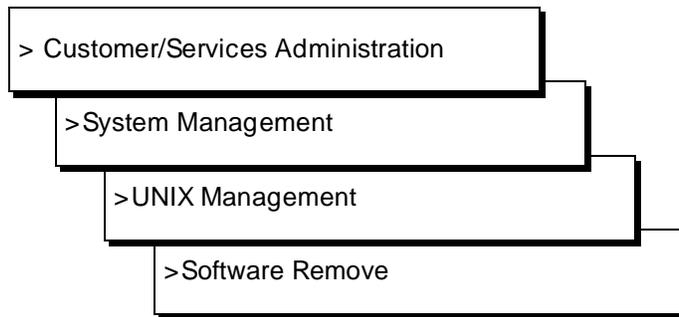
The following Installed Software List (Figure 4-16) appears.

```
The following packages are available:
  1  IVC6DI      AT&T Intuity IVC6 Device Interface for softFAX 2.0
                 (x86svr4_ints1) 2.0c120110
  2  IVR         Intuity Intro Voice Response Set
                 (486) 1.0-16
  3  VM          AUDIX(R) Module marker file
                 (AUDIX) NA
  4  VM-dfltdb   AUDIX(R) Default db
                 (AUDIX) 2.0-18
  5  VM-files    AUDIX(R) Files
                 (AUDIX) 3.3-23
  6  VM-sw       AUDIX(R) Software
                 (AUDIX) 3.3-23
  7  VM-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 4-16.   Installed Software List

2. When you have identified the number of the migration 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]:**

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 F1 (Cancel).

   The system returns to the Lucent INTUITY Main Menu.

Task 13 - **Administer the Automated Attendants**

If you administered the Lucent 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," in *Lucent INTUITY Messaging Solutions R4.0 Administration* (585-310-564) 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 Lucent 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 Lucent INTUITY hunt group. Table 4-5 lists the the switch administration tasks.

> **NOTE:**
> Be sure to reuse the AUDIX Voice Power extension for the Lucent INTUITY system. You can avoid having to readminister user 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 (AVP R2.1.1 and R3.0 only) Remove the DCP station and extension that connects to the AUDIX Voice Power.	*AUDIX Voice Power R2.1.1 Switch Notes for System 75* or *AUDIX Voice Power R3.0 Switch Integration to System 75*
2.	Create a Lucent INTUITY hunt group (with old DCP extension, if any). This allows the users to use the same telephone number on the Lucent INTUITY system that they used for the AUDIX Voice Power system.	The associated Lucent INTUITY Switch Integration book
3.	Assign Lucent INTUITY voice ports to hunt group. This completes the connection of the switch to the Lucent INTUITY system.	The associated Lucent INTUITY Switch Integration book
4.	Turn on the Lucent INTUITY machine and log in. This puts the Lucent INTUITY system into service for the test stations.	*Lucent INTUITY Messaging Solutions R4.0 MAP/40 and MAP/40s Installation*

Migrating from MERLIN LEGEND AUDIX Voice Power (IS II or IS III)

5

The following chapter presents the information for a migration from a MERLIN LEGEND AUDIX Voice Power (IS II or IS III) system to an Lucent INTUITY system.

The following AUDIX Voice Power releases can be migrated to the Lucent INTUITY system:

- Release 2.0
- Release 2.1
- Release 2.1.1 (available also from Integrated Solutions III)
- Release 3.0

Materials and Information Needed

You need the following items to successfully complete a migration from a
MERLIN LEGEND AUDIX Voice Power (IS II or IS III) system to the Lucent 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:

   — *Lucent INTUITY Messaging Solutions R4.0 MAP/40 and MAP/40s
      Maintenance* or *Lucent INTUITY Messaging Solutions R4.0 MAP/100
      Maintenance*

   — *Lucent INTUITY Integration with MERLIN LEGEND*

   — *Appropriate installation book for Lucent INTUITY Messaging
      Solutions R4.0*

   — The installation book for the customer's switch

Customer Verification

You should verify that the customer understands that:

■ User stations on the MERLIN LEGEND AUDIX Voice Power (IS II or IS III)
   system may vary in extension lengths.

■ User 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 Lucent INTUITY
   system. This is because the Lucent INTUITY system lists user names with
   last names first. The AUDIX Voice Power system lists users' first names
   first. The transfer process moves any affixes to the first position, which
   should normally be the users' last names. The customer must change
   these names with affixes 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 Lucent INTUITY system. If a user's
   extension length does not match the length defined on the Lucent INTUITY
   system, that user's data will not migrate, nor will the user be added to the
   system until the extension length is changed.

   In addition, if a user's personal operator number is 0 or is an extension
   whose length is different from that specified for Lucent INTUITY, the user's
   data will not migrate, nor will the user be able to be added to the system
   until the length of the number is changed.

Therefore, the customer should have readministered each user to eliminate any personal operator number that will cause this problem.

Migration Checklist

Table 5-1 shows the migration tasks, in the sequence they should occur, for a migration from a MERLIN LEGEND AUDIX Voice Power (IS II or IS III) system to the Lucent INTUITY system.

Table 5-1. Migration Checklist

Task	Description	✔
1.	Create a temporary Lucent INTUITY system calling group	
2.	Create an Lucent INTUITY system test coverage group (If Necessary)	
3.	Assign the temporary calling group to the test coverage group	
4.	Cable the Lucent INTUITY voice ports	
5.	Get the MERLIN LEGEND AUDIX Voice Power (IS II or IS III) profile	
6.	Back-up the MERLIN LEGEND AUDIX Voice Power (IS II or IS III) data	
7.	Preadminister the Lucent 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 ⇒ **NOTE:** This allows users to continue dialing the same telephone number on the Lucent INTUITY system to get their messages as they dialed on the MERLIN LEGEND AUDIX Voice Power (IS II or IS III) system. It also allows users to get old messages stored on the MERLIN LEGEND AUDIX Voice Power (IS II or IS III) system.	

Task 1 - **Create a Temporary Lucent INTUITY System Calling Group**

You must create a temporary Lucent INTUITY system calling group. This allows you or the customer to readminister and test automated attendants on the Lucent INTUITY system prior to completing the migration. This calling group should use two voice ports that are removed from the MERLIN LEGEND AUDIX Voice Power (IS II or IS III) calling group. You can then later use this calling group (and its ports) for the MERLIN LEGEND AUDIX Voice Power (IS II or IS III) system so that the customer's users can access old messages for a short period after the migration. See *Lucent INTUITY Integration with MERLIN LEGEND*.

Task 2 - Create a Lucent INTUITY System Test Coverage Group

So you or the customer can test any automated attendants that are readministered on the Lucent INTUITY system, it may be necessary to create a test coverage group with two stations. See *Lucent INTUITY Integration with MERLIN LEGEND*.

Task 3 - **Assign the Temporary Calling Group to the Test Coverage Group**

You must assign the temporary Lucent INTUITY system calling group to the test coverage group so that calls will move to the Lucent INTUITY system. See *Lucent INTUITY Integration with MERLIN LEGEND*.

Task 4 - Cable the Lucent INTUITY Voice Ports

Table 5-2 lists the tasks for cabling two Lucent INTUITY system voice ports to the switch. See the installation book for the customer's switch and one of the following:

- *Lucent INTUITY Messaging Solutions R4.0 MAP/40 and MAP/40s Installation*

- *Lucent INTUITY Messaging Solutions R4.0 MAP/100 Installation*

Table 5-2.　Cabling Tasks

Task	Reference
Disconnect the two voice port cables on the MERLIN LEGEND AUDIX Voice Power (IS II or IS III) machine and connect them to the Lucent INTUITY machine. This allows you to test the Lucent INTUITY automated attendants using the voice ports from the MERLIN LEGEND AUDIX Voice Power (IS II or IS III). **NOTE:** The cables that you disconnect should be attached to the ports on the switch that you moved to the Lucent INTUITY system calling group.	*AUDIX Voice Power R2.1.1 Installation and Maintenance Guide* *AUDIX Voice Power Hardware Installation* The appropriate IS II or IS III Installation and Maintenance document. *Lucent INTUITY Integration with MERLIN LEGEND.*

Task 5 - Get the MERLIN LEGEND AUDIX Voice Power (IS II or IS III) Profile

Table 5-3 lists the information you will need from the MERLIN LEGEND AUDIX Voice Power (IS II or IS III) machine before you begin the migration. If you do not have this information, retrieve it from the MERLIN LEGEND AUDIX Voice Power (IS II or IS III) screens as described in procedures below.

Table 5-3. MERLIN LEGEND AUDIX Voice Power (IS II or IS III) 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 user names

Log on to the MERLIN LEGEND AUDIX Voice Power (IS II or IS III) machine as *maint*.

Display Installed Applications Screen

1. Select the following series of menu options:

> Technician Maintenance

>Maintenance Log

>Display Installed Applications
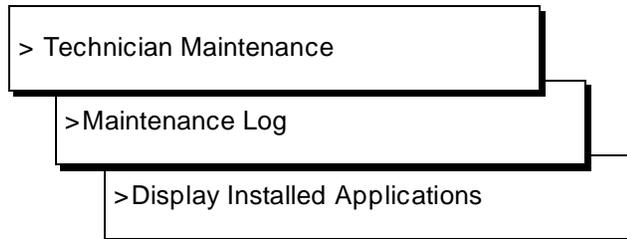
The system responds with a list of software packages.

2. Make a note of the release number of the MERLIN LEGEND AUDIX Voice Power (IS II or IS III) Application Software.

3. 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).
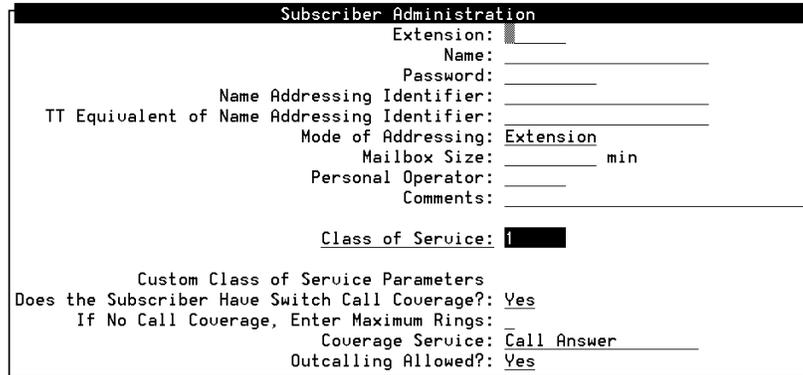
.

```
                    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 user 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 MERLIN LEGEND AUDIX Voice Power (IS II or IS III) Data

1. Label the blank floppy diskette as MERLIN LEGEND AUDIX Voice Power (IS II or IS III) migration data and the current date.

2. Select the following menu options:

> Technician Maintenance

>Full Screen UNIX
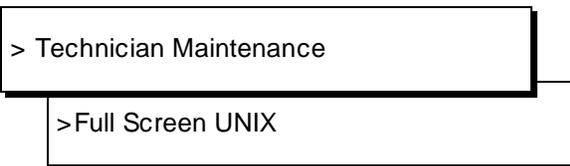
3. If your disk is formatted, go to step 4. If your disk is unformatted, enter the following at the UNIX prompt:

   format /dev/rdsk/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/rdsk/f0

   For Release 2.1 or Release 2.1.1:

   find /usr/vmdb /usr/ocdb -print | cpio -ocvBud > /dev/rdsk/f0

   The system responds by loading the user information from the MERLIN LEGEND AUDIX Voice Power (IS II or IS III) 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 Lucent
INTUITY System

Before you transfer data from the MERLIN LEGEND AUDIX Voice Power (IS II or IS III) system to the Lucent INTUITY system, you must ensure that the Lucent INTUITY system is administered to match the MERLINLEGEND AUDIX Voice Power system for the following:

- Extension length

- Range of extensions

- Outcalling

- Transfer type

- Covering extension

Log on to the Lucent INTUITY system with the *craft* login.

Extension Length

1. From the Lucent INTUITY Main Menu, select the Switch Interface Administration menu option.

   The system responds with the Switch Interface Administration screen (Figure 5-3).

.

```
┌─1 Switch Interface Administration─┐
│                                   ▐
│ Switch Type: MERLIN LEGEND        ▐
│                                   ▐
│ Extension Length: ▮               ▐
└───────────────────────────────────┘
```

```
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 MERLIN
   LEGEND AUDIX Voice Power (IS II or IS III) 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 Lucent INTUITY
   Voice System in order for the change to be completed.

5. Press `F6` (Cancel) twice to return to the Lucent INTUITY Main Menu.

6. Select:

> Customer/Services Administration

>System Management

>System Control
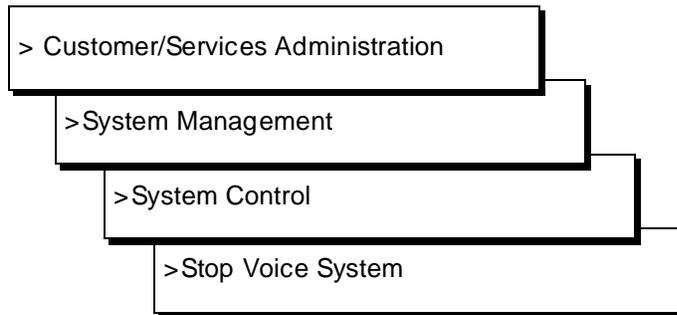
>Stop Voice System

The system displays the Wait Time window (Figure 5-4):


```
       Wait Time
   Seconds: █
```

Figure 5-4.   Wait Time window

7. Enter a number of seconds (60 to 600) that the system should wait to clear
   current calls before stopping the voice system. A recommended number
   is 180.

8. Press `F3` (Save).

The following text appears on the screen:

The Voice System is now stopping.

Initiating request to clear all calls in the next XXX 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.

Additional text appears on the screen until the system displays the following prompt:

Press RETURN to continue

9. Press (ENTER).

10. (ENTER).

The system returns to the System Control menu.

11. 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 is restarting.

The Voice System is starting

INIT: New run level 4

NOTICE: ***   ***   ***   rmiReset   ***   ***   ***

The system displays additional messages about initializations and checks. Finally, the following prompt appears:

Hit acknowledge key to continue.

12. Press F1 (Acknowlg Message) to return to the System Control menu.

The system returns to the System Control menu.

13. Press F6 (Cancel).

The system returns to the Lucent INTUITY Main Menu.

Range of Extensions

1. Select the AUDIX Main 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 5-5).

```
AUDIX            Active          Alarms: MmwA              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 5-5.   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 command line, enter **ch sy o**.

   The system responds with the System-Parameters Outcalling screen (Figure 5-6).

```
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






                                                                              e
          _____
                    change system-parameters outcalling
```

Figure 5-6. 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 5-7).

```
AUDIX              Active          Alarms: MmwA              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-attendent or Standalone Menu: 3  (3-12)

DISCONNECT OPTIONS
        Quick Silence Disconnect? n        Silence Limit? 30 (5-30 seconds)



                                                                         e
             change system-parameters features
```

Figure 5-7.   System-Parameters Features Screen

2. Press ⟨F7⟩ (Next Page) twice.

The system responds with the third System-Parameters Features screen (Figure 5-8).

```
AUDIX              Active          Alarms: MmwA               Logins:
                          features                          Page 3 of 4
                        SYSTEM-PARAMETERS FEATURES

CALL TRANSFER OUT OF AUDIX
 Transfer Type: none_____       Transfer Restriction: subscribers
 Covering Extension: _____

ANNOUNCEMENT SETS
            System: us-eng_____          Administrative: _____

RESCHEDULING INCREMENTS FOR UNSUCCESSFUL MESSAGE DELIVERY
 Incr 1: 0_ days  0_ hrs 5_ mins     Incr 2: 0_ days 0_ hrs 15 mins
 Incr 3: 0_ days  0_ hrs 30 mins     Incr 4: 0_ days 1_ hrs 0_ mins
 Incr 5: 0_ days  2_ hrs 0_ mins     Incr 6: 0_ days 6_ hrs 0_ mins
 Incr 7: 1_ days  0_ hrs 0_ mins     Incr 8: 2_ days 0_ hrs 0_ mins
 Incr 9: 7_ days  0_ hrs 0_ mins     Incr10: 14 days 0_ hrs 0_ mins




                                                                      e
              change system-parameters features
```

Figure 5-8.   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.

   $\Longrightarrow$ **NOTE:**

   This is normally an operator or automated attendant.

5. Press ⒡⒊ (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 Lucent INTUITY Main Menu.

Task 8 - Verify the Installed Migration Software

The Lucent INTUITY system uses the migration software to read the MERLIN LEGEND AUDIX Voice Power (IS II or IS III) back-up disk, retrieve data, and format the data for use by the Lucent INTUITY system. Verify that the migration software has already be installed on the Lucent INTUITY machine.

1. Starting at the Lucent INTUITY Main Menu, select:

> > Customer/Services Administration
>
> > System Verification
>
> > View Installed Software
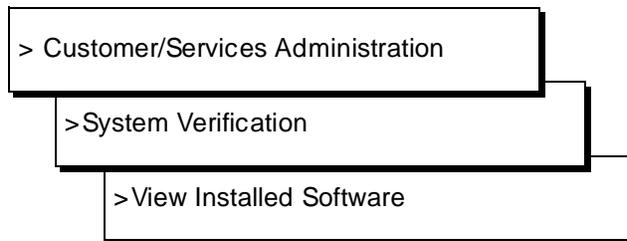
The system responds with the View Installed Software screen (Figure 5-9) .

```
                    View Installed Software
Driver (ISA/EISA)
system      eth           Ethernet Hardware Support
system      face          FACE
system      fmli          BUILT INTO ADVANCED COMMANDS, CANNOT BE
REMOVED.
system      inet          Internet Utilities
intuity     ivr           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 5-9.   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 Ⓕ6 (Cancel). Go to "Task 10 - Run the Data Transfer".

   If you were unable to locate the installed software, go to "Task 9 - Install the Migration Software".

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 Lucent INTUITY system.

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

> >System Management
>
> >UNIX Management
>
> >Software Installation
>
> Floppy Drive
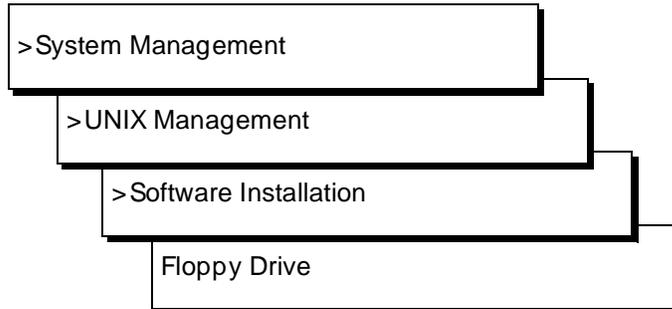
The system responds with the following prompts:

> **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 F6 (Cancel) until you return to the Lucent INTUITY Main Menu.

8. Log out of the Lucent INTUITY system.

9. Log back on to the Lucent INTUITY system using the *craft* log in.

> **NOTE:**
> The system will not display the Migration menu option on the Lucent INTUITY Main Menu until you log back on to the system.

Task 10 - Run the Data Transfer

Run the data transfer to move MERLIN LEGEND AUDIX Voice Power (IS II or IS III) user data to the Lucent INTUITY system. The time it takes to transfer the data varies, depending on the number of users whose data is transferring.

1. From the Lucent INTUITY Main Menu, select the Migrations menu option.

    The system responds with the Migration menu (Figure 5-10).

```
==== 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 5-10.   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 5-11).

```
==== Migration From AVP ====

1) Migrate
2) Display Error File
3) Logout

Select option () [ 1 ] :
```

Figure 5-11.   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 user 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 users 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 MERLIN LEGEND AUDIX
   Voice Power (IS II or IS III) system.

   The system responds with the following prompt:

   default subscriber password () [ ]:

10. Enter the default password that users on the Lucent 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 MERLIN LEGEND AUDIX Voice Power
    (IS II or IS III) 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 user. 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.

Task 11 - Check the Log File

Check the log file to see if you missed any error messages that appeared during the data transfer.

To check the log file:

1. At the Migration From AVP menu, select option **2**, Display Log File.

    The system responds with the Log File (Figure 5-12).

```
/usr/vmdb/pwdb
Shamim Pirzada        3477  1 0 extension 300          n 1 1
"Shamim Pirzada       " "custom" "n" "5339" \\ "call-answer" "n" "fifo" "fifo" "n
uo" "unfda" "5" "300" "120" "32" "8" "25" \\ "250" "300  " "0" "extension" "10"
"10" "10" "10" \\ \\ "1" \\ "       " "n" \\ \\ "1" \\ "n" "none" "0800  " \\ "n"
 \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \
\ \\ \\ \\ \\ \\ \\ \\ "5" \\ "" "1"
: error 1023 at field 3 code 42
System Administrator 1111    1 0 extension 1500         y 1 1
"System Administrator" "custom" "n" "5339" \\ "call-answer" "n" "fifo" "fifo" "n
uo" "unfda" "5" "300" "120" "32" "8" "25" \\ "250" "1500 " "0" "extension" "10"
"10" "10" "10" \\ \\ "1" \\ "       " "y" \\ \\ "1" \\ "n" "none" "1111  " \\ "n"
 \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \
\ \\ \\ \\ \\ \\ \\ \\ "5" \\ "" "1"
: error 1023 at field 3 code 42
other sys admin       1234    1 0 extension 1500         y 1 1
"other sys admin      " "custom" "n" "5339" \\ "call-answer" "n" "fifo" "fifo" "n
uo" "unfda" "5" "300" "120" "32" "8" "25" \\ "250" "1500 " "0" "extension" "10"
"10" "10" "10" \\ \\ "1" \\ "       " "y" \\ \\ "1" \\ "n" "none" "1234  " \\ "n"
 \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \
\ \\ \\ \\ \\ \\ \\ \\ "5" \\ "" "1"
: error 1023 at field 3 code 42
Sandra Oliver         3445  1 0 extension 1500          y 1 1
:█
```

Figure 5-12. Logfile

2. Page through the file by pressing ENTER.
3. Note the phone numbers that begin each log file record and the associated error codes.

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 MERLIN LEGEND AUDIX Voice Power (IS II or IS III) and the Lucent INTUITY system do not match
1023	Value is out of range
1025	Extension already exists on the Lucent INTUITY system
bad field	Quotation marks appear in a user'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 Lucent INTUITY Main Menu.

Task 12 - Verify the Transfer of Data

When the data transfer is complete, you must verify that the user data has transferred successfully. To verify the transfer of users, you should check the following items:

- List of users

- Two Class-of-Service numbers

- Six users extensions (well-spaced throughout the range of extensions you transferred)

Select the AUDIX Administration menu option.

List of Users

1. At the command line, enter **li e**.

   The system responds with the List Extension screen (Figure 5-13).

```
AUDIX              Active              Alarms: MmwA              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, 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 5-13.   List Extension Screen

2. To approximate the number of users 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 users on the AUDIX R1, you may need to manually fix some entries or rerun the data transfer. Refer to "Task 10 - Run the Data Transfer" 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 ⒡ (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 5-14 and Figure 5-15).

```
AUDIX              Active          Alarms: MmwA                    Logins: 4
change cos 1                                                    Page 1 of 2
                              CLASS OF SERVICE

           Name: class01        COS Number: 1          Modified? n
Addressing Format: extension


                                   Login Announcement Set: System
System Multilingual is OFF        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? n          Broadcast: none          IMAPI Access? n
  IMAPI Message Transfer? n        Fax Creation? n     Trusted Server Access? n




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

Figure 5-14.   Class of Service Screen 1

```
AUDIX              Active              Alarms: MmwA                    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 5-15.   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 10 - Run the Data Transfer" 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.

User Extensions

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

   ➡ **NOTE:**
   Extension is a user extension you are checking.

   The system responds with the Subscriber screens (Figure 5-16 and Figure 5-17).

```
AUDIX          Active        Alarms: MmwA              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 5-16.   Subscriber Screen

```
AUDIX            Active              Alarms: MmwA                Logins: 4
change subscriber 80070                                    Page 2 of 2
                       SUBSCRIBER CLASS OF SERVICE PARAMETERS
Addressing Format: extension          Login Announcement Set: System
System Multilingual is OFF       Call Answer Primary Annc. Set: System
Call Answer Language Choice? n  Call Answer Secondary Annc. Set: System

PERMISSIONS
     Type: call-answer      Announcement Control? y            Outcalling? n
     Priority Messages? y            Broadcast: none        IMAPI Access? y
 IMAPI Message Transfer? y        Fax Creation? y  Trusted Server Access? y

INCOMING MAILBOX           Order: fifo           Category Order: nuo
  Retention Times (days),   New: 10       Old: 10         Unopened: 10
OUTGOING MAILBOX           Order: fifo           Category Order: unfda
Retention Times(days), File Cab: 10      Delivered/Nondeliverable: 5

Voice Mail Message (seconds),  Maximum Length: 300  Minimum Needed: 32
Call Answer Message (seconds), Maximum Length: 120  Minimum Needed: 8
        End of Message Warning Time (seconds):
          Maximum Mailing Lists: 25     Total Entries in all Lists: 250
Mailbox Size (seconds), Maximum: 1200              Minimum Guarantee: 0

enter command: change subscriber 80070
1Cancel  2Refresh  3Enter   4ClearFld 5Help     6Choices  7NextPage 8PrevPage
```

Figure 5-17.   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 users.

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 Lucent INTUITY Main 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:

> Customer/Services Administration

>System Management

>UNIX Management

>Software Remove
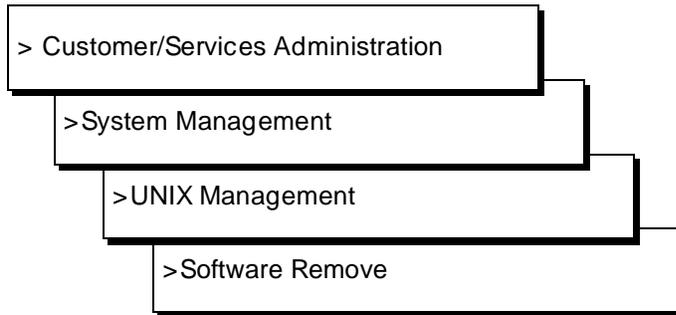
The system responds with the following Installed Software List (Figure 5-18).

```
31  inet        Internet Utilities
                (386) 1
32  ivr         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 5-18.   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 Lucent INTUITY Main Menu.

Task 14 - Administer Automated Attendants

If you administered the Lucent 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," in *Lucent INTUITY Messaging Solutions R4.0 Administration* (585-310-564) 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 Lucent INTUITY system to ensure that calls can reach it.

Task 15 - **Move the Voice Port Cabling**

You must move the voice cables from the MERLIN LEGEND AUDIX Voice Power (IS II or IS III) system to the Lucent INTUITY system. Table 5-5 lists the cabling tasks.

⇒ **NOTE:**
By simply swapping cables between systems, you can reuse the MERLIN LEGEND AUDIX Voice Power (IS II or IS III) calling group and extension for the Lucent INTUITY system. Thus, you avoid having to readminister user coverage paths on the switch.

Table 5-5. Cabling Tasks

Task	Description	Reference
1.	Disconnect the two voice port cables on the Lucent INTUITY machine and connect them to the MERLIN LEGEND AUDIX Voice Power (IS II or IS III) machine. This allows users to get old messages from the MERLIN LEGEND AUDIX Voice Power (IS II or IS III) system, while receiving new messages on the Lucent INTUITY system.	*AUDIX Voice Power R2.1.1 Installation and Maintenance Guide* *AUDIX Voice Power Hardware Installation* The appropriate IS II or IS III Installation and Maintenance document. *Lucent INTUITY Integration with MERLIN LEGEND*
2.	Disconnect the voice port cables on the MERLIN LEGEND AUDIX Voice Power (IS II or IS III) machine and connect them to the Lucent INTUITY machine. This allows the customer's users to use the same telephone number on the Lucent INTUITY system that they used for the MERLIN LEGEND AUDIX Voice Power (IS II or IS III) system.	*AUDIX Voice Power R2.1.1 Installation and Maintenance Guide* *AUDIX Voice Power Hardware Installation* The appropriate IS II or IS III Installation and Maintenance document. *Lucent INTUITY Integration with MERLIN LEGEND*

Migration Error Codes

A
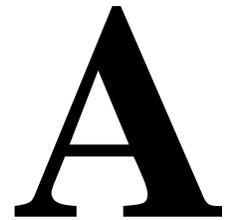
Migration Log File Error Codes

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
32	System Error = default AE code
33	Old password must be entered
34	Bad volume name

Table A-1.   Migration Error Codes — *Continued*

Code	Description
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 - admin shutdown required
52	Volume doesn't exist
53	File system doesn't 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
63	System covering extension not assigned
64	Enhanced transfer set to not active
65	Invalid hour entered on traffic report form

Table A-1.   Migration Error Codes — *Continued*

Code	Description
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. (Use double quotes if name includes spaces)
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
96	Only ACTIVE file system fragments may be cached
97	Only the ADMIN file system can be modified
98	Audit or backup in progress

Table A-1.   Migration Error Codes — *Continued*

Code	Description
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 & 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
126	No audit status available
127	No VPT 2 assigned
131	Bad class-of-service name or number

Table A-1.   Migration Error Codes — *Continued*

Code	Description
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
160	Tape drive not ready - check cartridge
161	Tape access disable - check alarms
162	Tape not administered

Table A-1. Migration Error Codes — *Continued*

Code	Description
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
190	Activity Log will be cleared. Press enter to confirm, cancel to cancel.
191	System initializing, please try later
192	System will be automatically restarted

Table A-1.   Migration Error Codes — *Continued*

Code	Description
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
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

Table A-1.   Migration Error Codes — _Continued_

Code	Description
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
1044	Data is unavailable - check back later
1045	Duplicate extension - already in use
1046	Duplicate alias exist
1047	Duplicate user name - already in use

Table A-1.   Migration Error Codes — *Continued*

Code	Description
1048	Duplicate node name
1049	Duplicate range - already in use
1050	Duplicate touch tone equivalen - already in use
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	Hangup
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
1075	Incompatible data
1076	Inconclusive result from Mtce Activity
1077	Disk initialization selected, press 'y' to confirm
1078	Invalid number of digits

Table A-1.   Migration Error Codes — *Continued*

Code	Description
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
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

Table A-1. **Migration Error Codes** — *Continued*

Code	Description
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 doesn't 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
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

Table A-1.   Migration Error Codes — *Continued*

Code	Description
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
1169	Port number is out of range
1170	No partial overlaps permitted
1171	Invalid procedure ID
1172	Datalink read operation failure

Table A-1. Migration Error Codes — *Continued*

Code	Description
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 `new ext` field to change subscriber ext
1180	Request rejected
1181	Slot in use
1182	Use `new name` 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
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

Table A-1. Migration Error Codes — *Continued*

Code	Description
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 uncorrectable problem
1229	No voice connection exists
1230	Operation failed
1231	Remote subscriber - limit
1232	Remote subscriber - no subscriber ID

Migrating Multiple Systems

B

Migrating Multiple Systems to the Lucent INTUITY System

In most cases, a customer can migrate data from one or more of the following voice messaging systems to the Lucent INTUITY system:

- AUDIX R1

- DEFINITY AUDIX

- AUDIX Voice Power

- MERLIN LEGEND AUDIX Voice Power (IS II or IS III) systems)

Table B-1 lists the type of data migrated from a system to the Lucent 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 Lucent INTUITY system, including any data previously migrated.*

Use the following guidelines to help you migrate data from more than one system to the Lucent INTUITY system:

- Migrate data from:
  - Multiple AUDIX R1 systems to an Lucent INTUITY system
  - Multiple AUDIX Voice Power systems to an Lucent 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 to a single Lucent 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 Lucent 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 Lucent 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 Lucent INTUITY system's list of networked machines. The Lucent 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 Lucent INTUITY system to the network and delete the names of systems that have migrated to the Lucent INTUITY system. Verify that they will run a `get remote update` on the Lucent INTUITY machine to capture the subscribers migrated to the Lucent 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

bps
bits per second

BRI
basic rate interface

BSC
binary synchronous communications

BTU
British thermal unit

C

CDH
call data handler process

CELP
code excited linear prediction

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

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

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

FIFO
first-in first-out

FOOS
facility out of service

G

GBCS
Global Business Communications Systems

GOS
grade of service

H

Hz
hertz

I

IDI
isolating data interface

IMAPI
Lucent INTUITY messaging application programming
interface

INADS
initialization and administration system

I/O
input/output

IRQ
interrupt request

ISDN
integrated services digital network

IVC6
integrated voice CELP card (6 channels)

K

Kbps
kilobits per second

Kbyte
kilobyte (1024 bytes)

kHz
kilohertz

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L

LAN
local area network

LCD
liquid crystal display

LED
light-emitting diode

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 (Lucent INTUITY software component)

MTBF
mean time between failures

MWI
message-waiting indicator

N

NW
INTUITY AUDIX Digital Networking

O

OA&M
operations, administration, and maintenance

OS
operating system

P

PBX
private branch exchange

PC
power converter or personal computer

PDM
processor data module

PEC
price element code

POST
power-on self test

R

RAM
random-access memory

REN
ringer equivalence number

ROM
read-only memory

RTS
request to send

RTU
right to use

S

SCSI
small computer systems interface

SID
switch integration device

SIMM
single in-line memory module

SMSI
simplified message service interface

SW
switch integration (Lucent INTUITY software component)

T

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

TTS
Text to speech

U

UCD
uniform call distribution

UPS
uninterruptible power supply

V

VM
INTUITY AUDIX Voice Messaging

VP
voice platform (Lucent INTUITY software component)

VR
Lucent INTUITY Intro Voice Response

VROP
voice response output process

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Glossary

5ESS Switch

An AT&T central office switch that can be integrated with the Lucent INTUITY system.

A

accessed message

A voice mail 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 voiced to INTUITY AUDIX subscribers when they first access the 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 voice mail 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 Lucent INTUITY system or a call management system (CMS).

administration

The process of setting up a system (such as a switch or a voice 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 Lucent 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.

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 voice mail message from one voice 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.

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 Lucent INTUITY system provides asynchronous RS-232 capabilities for INTUITY AUDIX Digital Networking, if required.

Audio Messaging Interchange Specification (AMIS)
    An analog networking feature that allows subscribers to exchange voice mail messages with any voice messaging system that also has AMIS Analog Networking capabilities. Messages can be exchanged with subscribers on Lucent INTUITY systems as well as with users on remote voice messaging systems made by vendors other than AT&T.

Audio Information Exchange (AUDIX)
    A complete voice 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 Lucent 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 Lucent 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 Lucent 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*.

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 b*asic 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 a Lucent INTUITY device from service (make it appear busy or in use), and later restore it to service (release it). The Lucent 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-answer
An INTUITY AUDIX 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. Subscribers may record a personal greeting for these callers.

call-answer language choice
The capability of subscriber mailboxes to accept messages in either of two different languages. 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 voice mail 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 Lucent 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 Lucent 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*.

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 Lucent 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.

CED tone
See *called tone*.

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 capacity
A measure of the maximum bit rate through a channel.

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 Lucent INTUITY Message Manager, the subscriber's PC running Message Manager is the client. See also *server*.

CNG tone
See *calling tone*.

CO
See *central office*.

collocated
A Lucent 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 voice mailbox activity or function.

compound message
A message that combines both a voice 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 INTUITY AUDIX 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

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 Lucent 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 a Lucent 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 Lucent 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 Lucent 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 autoprinted 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 voice mail 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.

digital
Discrete data or signals such as 0 and 1.

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 voice mail messages between voice messaging systems in a digital format. See also *INTUITY AUDIX Digital Networking*.

DIP switch
See *dual in-line package switch*.

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 Lucent 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*.

DSR
See *data set ready*.

DSU
See *data service unit*.

DTE
See *data terminal equipment*.

DTR
See *data terminal ready*.

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.

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 Lucent 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 Lucent 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

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.

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*.

filesystem
A collection of related files (programs or data) stored on disk that are required to initialize a Lucent INTUITY system and provide full service.

F key
See *function key*.

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 voice mailbox activity.

function key (F key)
A key on a computer keyboard that performs a defined function when pressed. The user interface for the Lucent 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 standalone tape utilities that is shipped with a new Lucent INTUITY system.

GOS
See *grade of service*.

grade of service (GOS)
A parameter that describes the delays in accessing a port on the Lucent 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 Lucent 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 a Lucent 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 Lucent INTUITY system over the data link. Also, the physical link connecting a Lucent 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

IDI
See *isolating data interface*.

IMAPI

See *Lucent 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 Lucent INTUITY system are processed through the IVC6 card.

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 Lucent INTUITY feature that allows customers to link together up to 500 remote Lucent INTUITY machines for a total of up to 500,000 remote subscribers. See also *digital networking*.

Lucent 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.

Lucent INTUITY messaging application programming interface (IMAPI)

A software function-call interface that allows INTUITY AUDIX to interact with Lucent 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 a Lucent INTUITY
GPSC-AT/E card and the switch data communications interface unit (DCIU).

IVC6 card
See *integrated voice processing CELP (IVC6) card.*

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.

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.*

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.*

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 Lucent INTUITY Message Manager requires that the INTUITY AUDIX system and the subscribers' PCs are on a LAN.

local AUDIX machine
The AUDIX system where a subscriber's voice 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 Lucent INTUITY systems are connected to the same switch.

login
A unique code used to gain approved access to the Lucent INTUITY system. See also *password*.

login announcement
A feature enabling the system administrator and other designated users to create a voice mail message that is automatically played to all INTUITY AUDIX subscribers every time they login to the system.

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 INTUITY AUDIX subscriber for creating and storing outgoing and incoming messages.

mailing list
A group of INTUITY AUDIX 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 Lucent INTUITY software that affects at least one fourth of the Lucent INTUITY ports in service. Often a major alarm indicates that no service is available.

multi-application platform (MAP)
The computer hardware platform used by the Lucent INTUITY system. Currently, a MAP/5, MAP/40, and MAP/100 are available.

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 Lucent 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 *Lucent INTUITY Message Manager*.

message-waiting indicator (MWI)
An indicator that alerts subscribers that they have received new voice mail messages. An MWI can be LED, neon, or audio (stutter dial tone).

minor alarm
An alarm detected by maintenance software that affects less than one fourth of the Lucent INTUITY ports in service, but has exceeded error thresholds or may impact service.

mirroring
A Lucent 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 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-vera.

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 Lucent INTUITY to a switch DCIU or SCI link or connect terminals to a switch port card.

MPDM
See *modular processor data module*.

multilingual feature

An INTUITY AUDIX feature that allows up to nine simultaneously-active announcement sets on the system. With this feature, each INTUITY AUDIX mailbox can be administered so that subscribers can hear prompts in the language of their choice.

MWI

See *message-waiting indicator*.

N

networking

See *INTUITY AUDIX Digital Networking*.

networking prefix

A set of digits that identifies an Lucent 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 voice mail 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

A Lucent INTUITY feature that provides information about Lucent INTUITY user interface screens by pressing a predetermined key. See also *help*.

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*.

outcalling

A Lucent 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 Lucent 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.*

PDM (processor data module)

See *modular processor data module (MPDM).*

peripheral device

Equipment external to the Lucent INTUITY cabinet, such as printers or terminals, necessary for full operation and maintenance of the Lucent 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.

port

A connection or link between two devices, allowing information to travel to a desired location. For example, a switch port connects to a Lucent INTUITY voice port to allow a subscriber to leave a message.

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)

A private switching system. See also *switch.*

private mailing list

A list of voice mail addresses that only the owning subscriber can access.

private messaging

A feature of INTUITY AUDIX that allows a subscriber to send a voice mail 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*.

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 voice mail 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.

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 Lucent 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 voice mail 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
A Lucent 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 Lucent INTUITY system when all the voice mail ports are busy. Also, the reinitialization of certain software. For example, restarting the voice 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 voice mail 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.

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 voice 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 Lucent INTUITY Message Manager, INTUITY AUDIX is the server. See also *client*.

shielded cables

Cables that are protected from interference with metallic braid or foil.

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 Lucent 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

A Lucent 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 Lucent 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.

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 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.

TDD

    See *telecommunications device for the deaf*.

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 Lucent INTUITY system. Terminal type is the last required entry before gaining access to the Lucent 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.

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 voice mail 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 Lucent INTUITY system and switch features for users.

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*.

UNIX operating system
A multi-user, multitasking computer operating system.

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).

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 Lucent INTUITY configuration guidelines are based.

V

vector
A customized program in the switch for processing incoming calls.

voice link
The Lucent 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 voice information stored by the Lucent INTUITY system on disk memory. Also called *voice mail*.

voice port
The IVC6 port that provides the voice interface between the Lucent INTUITY system and the analog ports on the switch.

voice terminal
A telephone used for spoken communications with the Lucent 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 Lucent 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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