

Lucent Technologies
Bell Labs Innovations



INTUITY™ Interchange

Release 5.3

System Upgrades and Software Updates

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Comcode 108455320
Issue 1
November 1999

Notice

Every effort was made to ensure that the information in this book was complete and accurate at the time of printing. However, information is subject to change.

Your Responsibility for Your System's Security

Toll fraud is the unauthorized use of your telecommunications system by an unauthorized party, for example, persons other than your company's employees, agents, subcontractors, or persons working on your company's behalf. Note that there may be a risk of toll fraud associated with your telecommunications system and, if toll fraud occurs, it can result in substantial additional charges for your telecommunications services.

You and your system manager are responsible for the security of your system, such as programming and configuring your equipment to prevent unauthorized use. The system manager is also responsible for reading all installation, instruction, and system administration documents provided with this product in order to fully understand the features that can introduce risk of toll fraud and the steps that can be taken to reduce that risk. Lucent Technologies does not warrant that this product is immune from or will prevent unauthorized use of common-carrier telecommunication services or facilities accessed through or connected to it. Lucent Technologies will not be responsible for any charges that result from such unauthorized use.

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Part 68: Network Registration Number. This equipment is registered with the FCC in accordance with Part 68 of the FCC Rules. It is identified by an FCC registration number.

Part 68: Answer-Supervision Signaling. Allowing this equipment to be operated in a manner that does not provide proper answer-supervision signaling is in violation of Part 68 Rules. This equipment returns answer-supervision signals to the public switched network when:

- Answered by the called station

- Answered by the attendant
- Routed to a recorded announcement that can be administered by the CPE user

This equipment returns answer-supervision signals on all DID calls forwarded back to the public switched telephone network. Permissible exceptions are:

- A call is unanswered
- A busy tone is received
- A reorder tone is received

Canadian Department of Communications (DOC)

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This digital apparatus does not exceed the Class A limits for radio noise emissions set out in the radio interference regulations of the Canadian Department of Communications.

Le Présent Appareil Numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de la class A prescrites dans le règlement sur le brouillage radioélectrique édicté par le ministère des Communications du Canada.

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Lucent Technologies provides a limited warranty on this product. Refer to the "Limited Use Software License Agreement" card provided with your package.

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Lucent Technologies Business Communications Systems declares that the equipment specified in this document conforms to the referenced European Union (EU) Directives and Harmonized Standards listed below:

EMC Directive 89/336/EEC
Low-Voltage Directive 73/23/EEC



The "CE" mark affixed to the equipment means that it conforms to the above directives.

Comments

To comment on this document, see the section titled "About This Book."

Acknowledgment

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About This Document

Purpose

This book, "[INTUITY™ Interchange Release 5.3 System Upgrades and Software Updates](#)"; contains checklists and procedures for upgrading the Lucent INTUITY™ Interchange system. It contains *only* information that is specific to the INTUITY Interchange system.

Intended Audiences

This book is intended primarily for the personnel responsible for upgrades for the INTUITY Interchange system.

Release History

This is the first release of this book.

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 INTUITY Interchange system displays “screens”, “*windows*” and “*menus*”. “Screens” make up the INTUITY Interchange user interface through which you can enter data or commands or access windows or menus (Figure 1). “Windows” show and request system information (Figure 2). “Menus” present options from which you can choose to view another menu, screen or window (Figure 3).
- The words “subscriber” and “user” are interchangeable terms that describe a person administered on the INTUITY Interchange system. The word “user” is the preferred term in the text; however, “subscriber” appears on most of the screens.

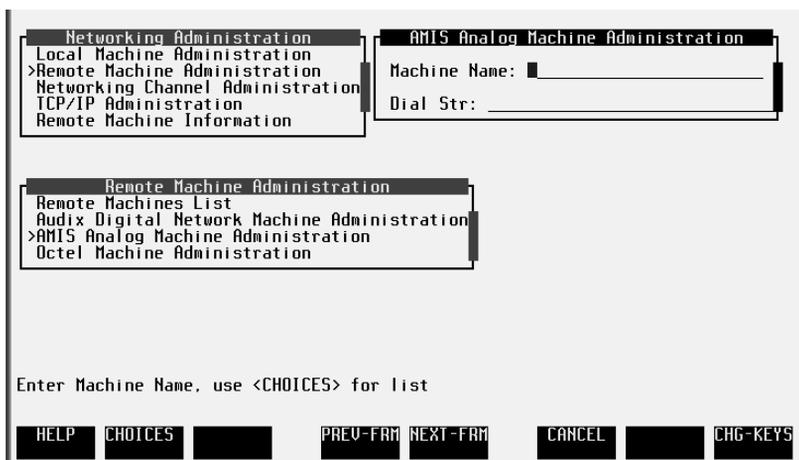
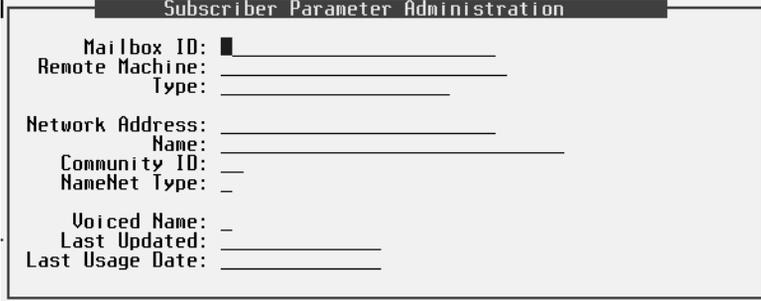


Figure 1. Example of an INTUITY Interchange Screen



Subscriber Parameter Administration

Mailbox ID:

Remote Machine: _____
Type: _____

Network Address: _____
Name: _____

Community ID: _____

NameNet Type: _____

Voiced Name: _____

Last Updated: _____

Last Usage Date: _____

Figure 2. Example of an INTUITY Interchange Window

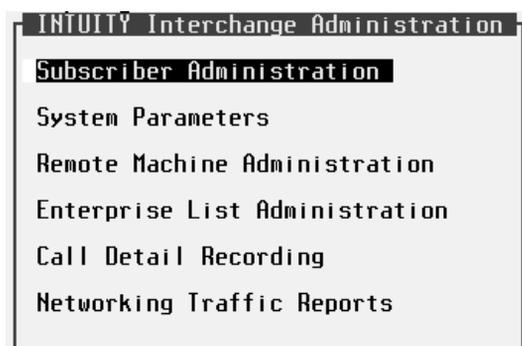


Figure 3. Example of an INTUITY Interchange Menu

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 .

- 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 while typing the letter “d” is shown as

Press .

- Function keys on your terminal, PC, or system screens, also known as *soft keys*, are represented as round boxes followed by the function or value of that key enclosed in parentheses. For example, an instruction to press function key 2 is shown as

Press **F2** (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 Administration menu and select

```
> INTUITY Interchange Administration
```

```
> Subscriber Administration
```

In this example, you would access the Lucent INTUITY Administration menu and select the INTUITY Interchange Administration menu. From the INTUITY Interchange Administration menu, you would then select the Subscriber Administration 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 example:

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.

How to Use This Book

This book is organized into the following sections:

- [Chapter 1, “Intuity Interchange System Software Update Checklist”](#), contains a checklist for upgrading Lucent INTUITY™ Interchange system software.
- [Chapter 2, “Updating Intuity Interchange Software Procedures”](#), describes the procedures for upgrading INTUITY Interchange software.
- [Chapter 3, “Verifying an Intuity Interchange Software Update”](#), contains information for verifying the software upgrade of the INTUITY Interchange.

- [Chapter 4, “Intuity Interchange Release 5.1 System Upgrade Checklist”](#), contains a checklist for upgrading an INTUITY Interchange Release 5.0 MAP/100 system to a Release 5.1 MAP/100P system.
- [Chapter 5, “Intuity Interchange Release 5.1 System Upgrade Procedures”](#), describes the procedures for upgrading an INTUITY Interchange Release 5.0 MAP/100 system to a Release 5.1 MAP/100P system.
- [Chapter 6, “Verifying an Intuity Interchange Release 5.1 MAP/100P Upgrade”](#), contains information for verifying the Release 5.1 MAP/100P platform and software upgrade of an INTUITY Interchange.
- [Chapter 7, “Intuity Interchange Release 5.2 Software Update Checklist”](#), contains a checklist for upgrading an INTUITY Interchange Release 5.1 system to a Release 5.2 system.
- [Chapter 8, “Intuity Interchange Release 5.2 Software Update Procedures”](#), describes the procedures for upgrading an INTUITY Interchange Release 5.1 system to a Release 5.2 system.
- [Chapter 9, “Verifying an Intuity Interchange Release 5.2 Software Update”](#), contains information for verifying the Release 5.2 upgrade of an INTUITY Interchange.
- [Chapter 11, “Intuity Interchange Release 5.3 Software Update Procedures”](#), describes the procedures for updating an INTUITY Interchange Release 5.2 system with INTUITY Interchange Release 5.3 software.
- [Chapter 12, “Verifying an Intuity Interchange Release 5.3 Software Update”](#), contains information for verifying the software update for a Lucent INTUITY™ Interchange Release 5.3 system.

Related Resources

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

Documentation



NOTE:

The *Lucent INTUITY™ Documentation Guide*, 585-310-540, contains a detailed description of all books included in the Release 4.x Lucent INTUITY documentation library. Always see the appropriate book for specific information on planning, installing, administering, or maintaining a Lucent INTUITY system.

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

- *Lucent INTUITY™ Messaging Solutions Release 4 Change Description and Upgrade Planning, 585-310-607*, for information on the process needed for upgrading the INTUITY Messaging Solutions Release 4 system.
- *Lucent INTUITY™ Messaging Solutions Release 4 Upgrade Procedures, 585-310-168*, for the procedures needed for upgrading the INTUITY Messaging Solutions Release 4 system.

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

- *BCS Products Security Handbook, 555-025-600*

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

Training

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

- Organizations within Lucent: (904) 636-3261
- Lucent customers and all others: (800) 255-8988

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- AUDIX and DEFINITY are registered trademarks.
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INTUITY Interchange System Software Update Checklist

1

What's in This Chapter?

This chapter contains a checklist for updating a Lucent INTUITY™ Interchange system with new INTUITY Interchange software.

Software Update Checklist

[Table 1-1](#) provides a checklist for updating INTUITY Interchange system software.

Table 1-1. INTUITY Interchange Software Update Checklist

(√)	Task	Reference Documentation
	Back up system and voice data	“Backing up System and Voice Data” in Chapter 2, “Updating Intuity Interchange Software Procedures”
	Stop the voice system	“Stopping the Intuity Interchange Voice System” in Chapter 2, “Updating Intuity Interchange Software Procedures”
	Remove any existing platform utility, if necessary	“Removing an Existing Intuity Interchange Platform Utility” in Chapter 2, “Updating Intuity Interchange Software Procedures”

Table 1-1. INTUITY Interchange Software Update Checklist

(v)	Task	Reference Documentation
	Install the new platform utility, if necessary	“Installing the New Intuity Interchange Platform Utility” in Chapter 2 , “Updating Intuity Interchange Software Procedures” or Chapter 11 , “Intuity Interchange Release 5.3 Software Update Procedures”
	Remove any existing INTUITY Interchange Application RFU, if necessary	“Removing an Existing Intuity Interchange Application RFU” in Chapter 2 , “Updating Intuity Interchange Software Procedures”
	Install the INTUITY Interchange application software	“Installing the Intuity Interchange Application Software” in Chapter 2 , “Updating Intuity Interchange Software Procedures”
	Install the INTUITY Interchange announcement set, if necessary  NOTE: This procedure is only performed if the announcement set is being updated	“Installing the Intuity Interchange Announcement Set” in Chapter 2 , “Updating Intuity Interchange Software Procedures”
	Install the INTUITY Interchange Application RFU, if necessary	“Installing the Intuity Interchange Application RFU” in Chapter 2 , “Updating Intuity Interchange Software Procedures”
	Reboot the INTUITY Interchange system	“Rebooting the Intuity Interchange System” in Chapter 2 , “Updating Intuity Interchange Software Procedures”
	Verify the INTUITY Interchange software update	Chapter 3 , “Verifying an Intuity Interchange Software Update”
	Verify the INTUITY Interchange Release 5.3 update	Chapter 12 , “Verifying an Intuity Interchange Release 5.3 Software Update”

Updating INTUITY Interchange Software Procedures

2

What's in This Chapter?

This chapter describes the procedures for updating Lucent INTUITY™ Interchange software on the INTUITY Interchange systems.

⇒ NOTE:

The INTUITY Interchange must have UNIX 4.x, INTUITY AUDIX® Release 3.0 or greater and its associated packages installed before proceeding.

An update of the INTUITY Interchange software will include one or more of the following packages:

- INTUITY Interchange platform utilities
- INTUITY Interchange application software
- INTUITY Interchange announcement set
- INTUITY Interchange application remote field updates (RFU)

Backing up System and Voice Data

This backup will take approximately 90 minutes to complete. The actual time will be determined by the total number of subscribers and voice names on the INTUITY Interchange database.

⇒ NOTE:

The backup process will shut down the INTUITY Interchange system for the duration of the backup. Once the backup has been completed, the INTUITY Interchange will automatically restart.

Verify that the cartridge tape to be used for storing the backup information is in the tape drive prior to executing this procedure.

To initiate an on-demand backup, do the following:

1. Log on to the INTUITY Interchange as **craft**.
2. Start at the Lucent INTUITY Administration menu ([Figure 2-1](#)).

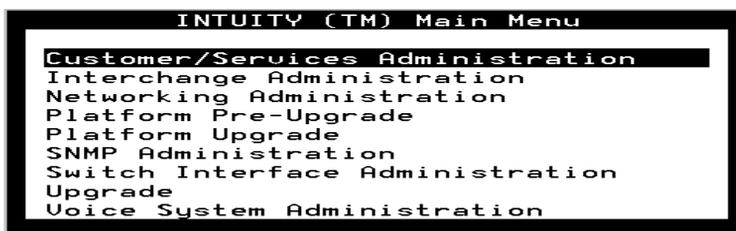
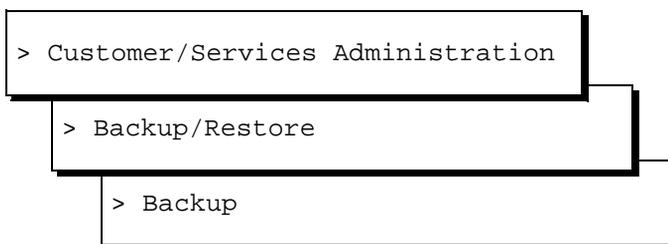


Figure 2-1. Lucent INTUITY Administration Menu

3. Select



The system displays the Backup window ([Figure 2-2](#)).

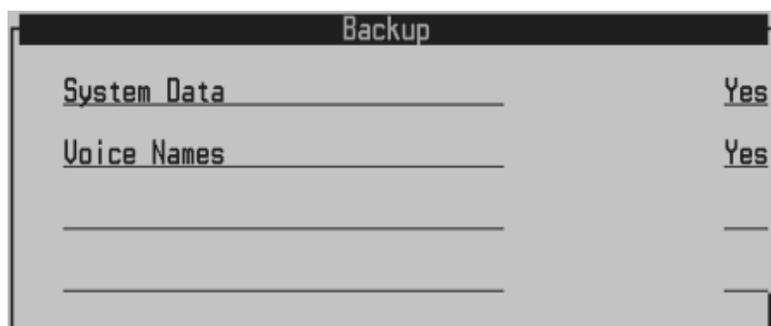


Figure 2-2. Backup Window



NOTE:

The fields displayed on the Backup window are based on your system's configuration. Therefore, your window may look different than the example shown above.

4. Enter **y** in all fields.
5. Press **F3** (Save).

The system calculates the number of tapes needed, and displays the following message:

```
the backup will need:  
x yy MB cartridge tape(s)
```



NOTE:

x is the number of tapes needed and yy is the size of the tapes needed.

The system verifies a backup tape by reading back the entire set of data written to the tape during the backup.

6. Insert the first cartridge tape into the tape drive.



NOTE:

If you insert an uninitialized tape, the system displays the message:

```
brand new tape(s) need to be initialized by using  
Format UNIX Floppy/Tape.
```

Press **ESC** and proceed to format the tapes.

The tape drive light is on while the backup is in progress and various system messages will be displayed on the screen.

7. Press **(ENTER)** when the tape drive light goes off.

If you are prompted for another tape, remove the current tape from the tape drive, label it with the current date and type of backup data on the tape, then insert a new tape.

When the backup is complete, the system displays the following message:

```
backup process has been completed successfully  
press any key to continue
```

8. Press **(ENTER)**.
9. Press **(F6)** (Cancel) until you exit the system.
10. Follow the procedures listed in ["Successful Backup Verification"](#) to verify that the backup has completed successfully.

Successful Backup Verification

To verify that the backup was successful, do the following:

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

The system displays the Lucent INTUITY™ Administration menu ([Figure 2-1](#)).

2. Select

```
> Customer/Services Administration
```

```
>Log Administration
```

```
> Administrator's Log
```

The system displays the Administrator's Log Display Selection screen ([Figure 2-3](#)).

Administrator's Log Display Selection

Administrator's Log

The following options control which entries will be displayed.

Start Date: __/__/__ Time: __:__:__

Application: __ Event ID: _____

Search String:

Figure 2-3. Administrator's Log Display Selection Screen

3. Enter today's date in the `Start Date` field.
4. Press `(TAB)` until you reach the `Event ID` field.
5. Enter **BKRST001** in the `Event ID` field.
6. Press `(F3)` (Save).

The system displays the Administrator's Log ([Figure 2-4](#)).

Date	Time	App	Event ID	Cnt	Message
03/03/98	04:00	Backup process	has completed successfully		

Figure 2-4. Administrator's Log

7. Verify that there is an entry with the current date and the following text:
Backup process has been completed successfully.
8. Press `(F6)` (Cancel) until you exit the system.
9. Continue with the next procedure, ["Stopping the Intuity Interchange Voice System"](#).

Stopping the INTUITY Interchange Voice System

To stop the INTUITY Interchange voice system, do the following:

1. Log into the INTUITY Interchange as **craft**.

The system displays the Lucent INTUITY Administration menu.

2. Select

```
> Customer/Services Administration
```

```
> System Management
```

```
> System Control
```

```
> Stop Voice System
```

The system displays the following:

Wait Time seconds (60-600):

3. Enter the number of seconds until the voice system is to be stopped.
4. Press **F3** (Save).

The system waits until all calls in progress disconnect before stopping the voice system and then displays the following message:

```
The Voice System has stopped.  
Press "Enter" to continue.
```

5. Press **ENTER**.
6. Press **F6** (Cancel) until you return to the System Management menu.
7. Continue with the next procedure, ["Removing an Existing Intuity Interchange Platform Utility"](#).

Removing an Existing INTUITY Interchange Platform Utility

Before installing a new INTUITY Interchange platform utility, and any existing platform utility must be removed.

To remove an existing platform utility, do the following:

1. Starting at the System Management menu, select

```
> UNIX Management
>Software Remove
```

The system displays the Software Remove screen ([Figure 2-5](#)) which lists the software installed on the system.

```
The following packages are available:
1  EMM-RFU      PT$ EMM platform RFU+B
                (486) 1.0
2  INTUNIX     UNIX SUR4.2 Enhancement Set - Update G
                (486) Rel. 2 of Indep UNIX, USL SUR4.2.3
3  IUC6DI     Lucent Intuity IUC6 Device Interface for softFAX 2.0
                (x86sur4_ints1) 2.0.07.32
4  OSmods     Intuity Operating System Modifications Module
                (486) 3.0-42e
5  UMset      Intuity AUDIX software set
                (486) 3.0-18e
6  aag        Intuity Interchange AAG Package
                (486) 1.20
7  acp        Enhanced Application Compatibility
                (386) 1
8  admin      Administration Set
                (386) 1
9  adscfix    UNIX SUR4.2 ADSC Driver Patch - Update G
                (486) Rel. 2 of Indep UNIX, USL SUR4.2.3, ver. 1
10 audfs     AUDIX File system
                (MFB) R1.1
... 65 more menu choices to follow;
(RETURN) for more choices, (CTRL-D) to stop display:
```

Figure 2-5. Software Remove Screen



NOTE:

[Figure 2-5](#) is an example only. The display of software installed on your system may not be the same as shown in this example.

2. Locate the existing INTUITY Interchange platform utility (ichgplat).
3. Note the number of the platform utility, located in the first column of the Software Remove screen ([Figure 2-5](#)).

If there is no platform utility listed, enter **q** to quit and press **F6** (Cancel) until you return to the Customer/Services Administration menu. Continue with the procedure, [“Installing the New Intuity Interchange Platform Utility”](#).

4. Press **CTRL D**.

The system displays the following message:

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

5. Enter the number of the platform utility package.

The system displays the name and version number for the package selected.

6. Enter **y**

If the system displays any messages warning of dependencies, enter **y** again to continue with the software removal.

7. Press **ENTER**.

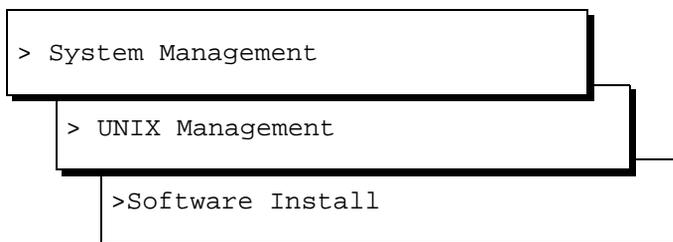
8. Press **F6** (Cancel) until you return to the Customer/Services Administration menu.

9. Continue with the next procedure, [“Installing the New Intuity Interchange Platform Utility”](#).

Installing the New INTUITY Interchange Platform Utility

To install the INTUITY Interchange platform utility, do the following:

1. Start at the Customer/Services Administration menu and select



The system displays the Software Install menu ([Figure 2-6](#)).



Figure 2-6. Software Install Menu

2. Insert the tape labeled "INTUITY Interchange Platform Utilities for Release X-X."
3. Select Tape drive.

The system displays the following message:

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

4. Press **ENTER**.

The system displays the following message:

```
Processing of <Intuity Interchange Platform Utilities  
(ichgplat)> is completed.
```

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

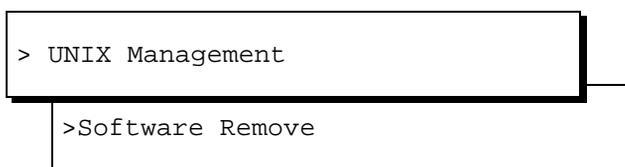
5. Enter **q**
6. Remove the tape from the tape drive.
7. Press **F6** (Cancel) until you return to the System Management menu.
8. Continue with the procedure, "[Removing an Existing Intuity Interchange Application RFU](#)".

Removing an Existing INTUITY Interchange Application RFU

Before installing a new INTUITY Interchange application RFU, and any existing INTUITY Interchange application RFU must be removed.

To remove an existing INTUITY Interchange application RFU, do the following:

1. Starting at the System Management menu, select



The system displays the Software Remove screen ([Figure 2-5](#)).

2. Locate the existing INTUITY Interchange application RFU (*ichg+X*).

3. Note the number of the RFU, located in the first column of the Software Remove screen ([Figure 2-5](#)).

If there is no RFU listed, enter **q** to quit and continue with the next procedure, "[Installing the Intuity Interchange Application RFU](#)".

4. Press **CTRL D**.

The system displays the following message:

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

5. Enter the number of the RFU.

The system displays the name and version number for the package selected.

6. Enter **y**

⇒ NOTE:

If the system displays any messages warning of dependencies, enter **y** again to continue with the software removal.

7. Press **ENTER**.
8. Press **F6** (Cancel) until you return to the UNIX Management menu.
9. Continue with the next procedure, "[Installing the Intuity Interchange Application RFU](#)".

Installing the INTUITY Interchange Application Software

To install the INTUITY Interchange application software, do the following:

1. Starting at the UNIX Management menu, select

```
>Software Install
```

The system displays the Software Install menu ([Figure 2-6](#)).

2. Insert the tape labeled "INTUITY Interchange Software Set" into the tape drive.
3. Select Tape drive.

The system displays the following message:

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

4. Press **(ENTER)**.

The system displays the following message:

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

```
The following pkgs are available:
```

```
1 Intuity Interchange Software Set  
(INTERCHANGE) 5.x.x
```

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

5. Enter **1**

The system displays the following message:

```
Intuity Interchange Software Set  
(INTERCHANGE) 5.x.x
```

```
Using </> as the package base directory
```

```
Select type of installation:
```

- 1) All Packages - Installs Software and Initial Database
- 2) Software Only - Installs only the Software
- 3) Interchange Announcement Sets
- 4) Setup Oracle for Interchange
- 5) Custom Installation
- 6) Quit Installation

```
Select (1-6):
```

6. Enter **2**

 **NOTE:**

A number of messages will appear indicating various packages being installed and conversions being executed. None of these messages requires input.

Once the system has completed installing the software, it will display the following message:

```
Processing of <INTUITY Interchange Software Set> is  
completed.
```

```
Insert a cartridge tape into Tape Drive 1.
```

```
Type [go] when ready
```

```
or [q] to quit: (default: go)
```

7. Enter **q**

8. If updating the announcement set, continue with the next procedure, [“Installing the Intuity Interchange Announcement Set”](#).

If *not* updating the announcement set, and you received a tape labeled “Remote Field Update for INTERCHANGE”, press (F6) (Cancel) until you return to the System Management menu and continue with the next procedure, [“Installing the Intuity Interchange Application RFU”](#).

If you did not receive this tape, press (F6) (Cancel) until you return to the System Management menu and continue with the procedure [“Rebooting the Intuity Interchange System”](#).

Installing the INTUITY Interchange Announcement Set

To install the INTUITY Interchange announcement set, do the following:

1. With the tape labeled “INTUITY Interchange Software Set” still in the tape drive, press (ENTER).

The system displays the following message:

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

```
The following pkgs are available:
```

```
1  interchg Intuity Interchange Software Set
    (486) ichg5.0-3.x
```

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

2. Enter 1

The system displays the following message:

```
Select type of installation:
```

```
1) All Packages - Installs Software and Initial
   Database
2) Software Only - Installs only the Software
3) Interchange Announcement Sets
4) Setup Oracle for Interchange
5) Custom Installation
6) Quit Installation
```

```
Select (1-6):
```

3. Enter 3

NOTE:

A number of messages will appear indicating various packages being installed and conversions being executed. None of these messages requires input.

Once the system has completed installing the announcement set, it will display the following message:

```
Processing of <Intuity Interchange Software Set> is
completed.
```

```
Insert a cartridge tape into Tape Drive 1.
```

```
Type [go] when ready
```

```
or [q] to quit: (default: go)
```

4. Enter **q**
5. Remove the tape labeled "INTUITY Interchange Software Set" from the tape drive.
6. Press **F6** (Cancel) until you return to the System Management menu.
7. If you received a tape labeled "Remote Field Update for INTERCHANGE", continue with the next procedure, ["Installing the Intuity Interchange Application RFU"](#).

If you did not receive this tape, continue with the procedure, ["Rebooting the Intuity Interchange System"](#).

Installing the INTUITY Interchange Application RFU

⇒ NOTE:

This procedure is to be completed only if you received a tape labeled "Remote Field Update for INTERCHANGE".

To install the INTUITY Interchange application RFU, do the following:

1. Starting at the System Management menu, select

```
> UNIX Management
```

```
>Software Install
```

2. Insert the tape labeled "Remote Field Update for INTERCHANGE."
3. Select Tape drive.

The system displays the following message:

```
Insert a cartridge tape into Tape Drive 1.
```

```
Type [go] when ready
```

```
or [q] to quit: (default: go)
```

4. Press **(ENTER)**.

The system displays the following message:

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

```
The following pkgs are available:
```

```
1  ichg+x  Remote Field Update for INTERCHANGE
```

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

5. Press **(ENTER)**.

The system displays the following message:

```
Processing of <Remote Field Update for INTERCHANGE> is  
completed.
```

```
Insert a cartridge tape into Tape Drive 1.
```

```
Type [go] when ready
```

```
or [q] to quit: (default: go)
```

6. Enter **q**
7. Remove the tape labeled "Remote Field Update for INTERCHANGE " from the tape drive.
8. Press **(F6)** (Cancel) until you return to the System Management menu.
9. Continue with the next procedure, ["Rebooting the Intuity Interchange System"](#).

Rebooting the INTUITY Interchange System

Once the software update is complete, the INTUITY Interchange system must be rebooted. To reboot the system, do the following:

1. Starting at the System Start at the System Management menu, and select

```
> System Control  
>Shutdown System
```

The system displays the following:

```
Wait Time seconds (0-60):
```

2. Enter the number of seconds until the system is to be shut down.

3. Press **F3** (Save).

The system displays the following message:

```
Shutdown started.
```

When the system is completely shut down, the system displays the following message:

```
The system is down.  
Press Ctrl-Alt-Del to reboot your computer.
```

4. Press **CTRL** **ALT** **DELETE**.

The system performs a power-on self test (POST). The screen lists various hardware components and the status of the tests performed on those components.

⇒ NOTE:

The system will display the following message during the reboot:

```
The UNIX operating system kernel will now be  
rebuilt to incorporate recent configuration  
changes.
```

```
Strike ENTER when ready or Esc to stop.
```

You *do not* have to take action to continue the shutdown.

Once the shutdown has been completed, the system displays the following prompt:

```
Startup of the Voice System is complete.  
Console Login:
```

5. The INTUITY Interchange software update is now complete.
6. Verify that the INTUITY Interchange software update has been successful. See [Chapter 3, "Verifying an Intuity Interchange Software Update"](#).

Verifying an INTUITY Interchange Software Update

3

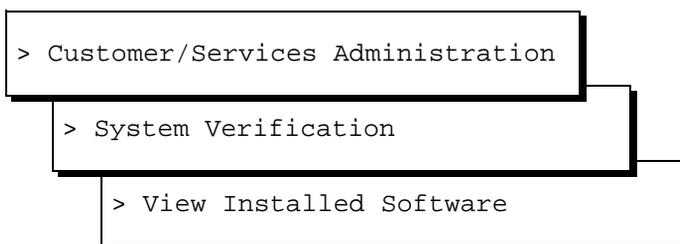
What's in This Chapter?

This chapter contains information for verifying the system software update of the Lucent INTUITY™ Interchange. Use the procedures in this chapter to verify that all necessary updated software has been installed on the INTUITY Interchange.

INTUITY Interchange Software Update Verification

To verify the updated software installation of the INTUITY Interchange, do the following:

1. Log into the INTUITY Interchange system as **craft**.
2. Start at the INTUITY Administration menu ([Figure 2-1](#)) and select



The system displays the View Installed Software screen ([Figure 3-1](#)). Use **(F2)** (Next Page) and **(F3)** (Prev Page) to move through the View Installed Software screen.

```
View Installed Software

Displaying pkginfo (long version) for only the application
packages...

Displaying pkginfo for package Uex

  PKGINST: Uex
    NAME: Intuity Application Software Set
  CATEGORY: set
    ARCH: 486
  VERSION: 3.0-38
  PSTAMP: 3.38.0 R3.0 IP38 Tue Jul 11 10:22:32 EDT 1995
```

Figure 3-1. Sample View Installed Software Screen

3. Locate the following packages in the View Installed Software screen:



NOTE:

The order of the packages vary in the View Installed Software screen. These packages do not necessarily appear in the order listed below.

- INTUITY AUDIX Application Software
 - netw
 - platupg
 - sdialer
 - tcpadm
 - upgrade
- Oracle Software
 - ORACLEset
- INTUITY Interchange Application Software
 - aag
 - ichg
 - ic_us-eng
 - icdfitdb
 - icdfitdb (MAP/5P only)
 - icftp
 - ichgftp
 - ichgsnmp
 - ichgupgr
 - icswrule
 - jamrt
 - mmd
 - mmddfldb
 - octelnet

radutl
sce
setupora

■ INTUITY Interchange Switch Software

dciutism
or
slibtism
or
vbptctism

Verifying Feature Options

The feature options configuration for the new INTUITY Interchange system should contain all of the previous release's feature options, as well as any new features purchased.



NOTE:

Only certified Lucent personnel can change options in this window, but it can be displayed for informational purposes. If new feature options were purchased, but are not displayed correctly on the Feature Option window ([Figure 3-2](#)), contact enhanced services.

To verify feature options, do the following:

1. Start at the Lucent INTUITY main menu ([Figure 2-1](#)).
2. Select

```
> Customer/Services Administration
> Feature Options
```

The system displays the Feature Options (Read Only) window ([Figure 3-2](#)).

Feature Options (Read Only)		
Feature Option	Current	Maximum
Call Detail Recording (CDR)	ON	N/A
Enterprise Lists Administration	ON	N/A
High speed digital ports	6	12
Low speed digital ports	6	12
Max Number of OctelNet Nodes	10	500
Maximum Number of AMIS Nodes	100	500
Maximum Number of Digital Nodes	100	500
SCSI Disk Mirroring	ON	N/A
SNMP	ON	N/A
TCP/IP Administration	ON	N/A
TCPIP digital ports	4	12
Text-to-Speech Sessions	0	4
hours_of_speech	292	430
voice_ports	12	12

Figure 3-2. Feature Options (Read Only) Window

[Table 3-1](#) describes the feature options in this window that apply to the INTUITY Interchange Release 5.2 system.

Table 3-1. Feature Option (Read Only) Window Field Descriptions

Feature Option	Current	Maximum
Call Detail Recording (CDR)	ON or OFF; indicates whether CDR has been purchased.	N/A
Enterprise Lists Administration	ON or OFF; indicates whether Enterprise Lists was purchased.	N/A
High speed digital ports	Number of high speed INTUITY AUDIX® digital networking (DCP) ports.	12
Low speed digital ports	Number of low speed INTUITY AUDIX® digital networking (DCP) ports.	12

Table 3-1. Feature Option (Read Only) Window Field Descriptions

Feature Option	Current	Maximum
Max Number of OctelNet Nodes	Number of remote OctelNet analog machines connected to the INTUITY Interchange.	500 ⇒ NOTE: The sum of this field, the Maximum Number of AMIS Nodes, and the Maximum Number of Digital Nodes field must <i>not</i> exceed 500.
Maximum Number of AMIS Nodes	Number of remote AMIS analog machines connected to the INTUITY Interchange.	500 ⇒ NOTE: The sum of this field, the Max Number of OctelNet Nodes, and the Maximum Number of Digital Nodes field must <i>not</i> exceed 500.
Maximum Number of Digital Nodes	Number of remote digital machines connected to this INTUITY Interchange.	500 ⇒ NOTE: The sum of this field, the Max Number of OctelNet Nodes, and the Maximum Number of AMIS Nodes field must <i>not</i> exceed 500.
SCSI Disk Mirroring	ON for MAP/100P systems OFF for MAP/5P systems	N/A
SNMP	ON or OFF; indicates whether SNMP was purchased.	N/A
TCP/IP Administration	ON or OFF; indicates whether TCP/IP was purchased.	

Table 3-1. Feature Option (Read Only) Window Field Descriptions

Feature Option	Current	Maximum
TCPIP digital ports	Number of digital ports purchased.	12
Text-to-Speech Sessions	Number of text-to-speech sessions purchased.	4
hours_of_speech	Number of hours of speech on the INTUITY Interchange system's hard disks.  NOTE: For a MAP/100P system, the number of hours is 285. For a MAP/5P system, the number of hours is 200.	430
voice_ports	Number of analog ports on the INTUITY Interchange.	12

(3 of 3)

3. Press **F6** (Cancel) to return to the Lucent INTUITY Administration menu ([Figure 2-1](#)).

INTUITY Interchange Release 5.1 System Upgrade Checklist

4

What's in This Chapter?

This chapter contains a checklist for upgrading a Lucent INTUITY™ Interchange Release 5.0 MAP/100 system to a Release 5.1 MAP/100P system. It should be used in conjunction with the procedures in [Chapter 5, "Intuity Interchange Release 5.1 System Upgrade Procedures"](#).

INTUITY Interchange Release 5.1 System Upgrade Checklist

[Table 4-1](#) provides a checklist for upgrading an existing INTUITY Interchange Release 5.0 MAP/100 system to a new INTUITY Interchange Release 5.1 MAP/100P system.

Table 4-1. INTUITY Interchange Release 5.1 System Upgrade Checklist

(v)	Task	Reference Documentation
	Back up the INTUITY Interchange Release 5.0 MAP/100 system.	“Backing up the Intuity Interchange Release 5.0 MAP/100 System” in Chapter 5, “Intuity Interchange Release 5.1 System Upgrade Procedures”
	Stop the INTUITY Interchange Release 5.0 MAP/100 voice system.	“Stopping the Intuity Interchange Release 5.0 MAP/100 Voice System” in Chapter 5, “Intuity Interchange Release 5.1 System Upgrade Procedures”
	Install INTUITY Interchange Release 5.0 software update.	“Installing Intuity Interchange Release 5.0 Migration Software” in Chapter 5, “Intuity Interchange Release 5.1 System Upgrade Procedures”
	Install the INTUITY Interchange software update on the INTUITY Interchange Release 5.1 MAP/100P platform.	“Installing Intuity Interchange Release 5.0 Migration Software” in Chapter 5, “Intuity Interchange Release 5.1 System Upgrade Procedures”
	Move the cables from the INTUITY Interchange Release 5.0 MAP/100 platform to the INTUITY Interchange Release 5.1 MAP/100P platform.	“Transferring the Cables from the Intuity Interchange Release 5.0 MAP/100 Machine to the Intuity Interchange Release 5.1 MAP/100P Machine” in Chapter 5, “Intuity Interchange Release 5.1 System Upgrade Procedures”
	Reboot the INTUITY Interchange Release 5.1 MAP/100P system.	“Rebooting the Intuity Interchange Release 5.1 MAP/100P System” in Chapter 5, “Intuity Interchange Release 5.1 System Upgrade Procedures”

Table 4-1. INTUITY Interchange Release 5.1 System Upgrade Checklist

(√)	Task	Reference Documentation
	Check the INTUITY Interchange Release 5.1 MAP/100P system for any alarms generated.	“Checking for Alarms” in Chapter 6, “Verifying an Intuity Interchange Release 5.1 MAP/100P Upgrade”
	Verify the feature options administered on the INTUITY Interchange Release 5.1 MAP/100P system.	“Verifying Feature Options” in Chapter 6, “Verifying an Intuity Interchange Release 5.1 MAP/100P Upgrade”
	Verify the INTUITY Interchange Release 5.1 MAP/100P system date and time.	“Verifying the Intuity Interchange System Date and Time” in Chapter 6, “Verifying an Intuity Interchange Release 5.1 MAP/100P Upgrade”

(2 of 2)

INTUITY Interchange Release 5.1 System Upgrade Procedures

5

What's in This Chapter?

NOTE:

All hardware associated with the platform upgrade should have been previously installed. For information on an INTUITY MAP/100P hardware upgrade, see *Lucent INTUITY™ Messaging Solutions Release 4 Upgrade Procedures, 585-310-168* for more information.

This chapter contains the procedures for upgrading a Lucent INTUITY™ Interchange Release 5.0 MAP/100 system to a Release 5.1 MAP/100P system.

Backing up the INTUITY Interchange Release 5.0 MAP/100 System

NOTE:

Verify that the cartridge tape to be used for storing the backup information is in the tape drive prior to executing this procedure.

This backup will take approximately 90 minutes to complete. The actual time will be determined by the total number of subscribers and voice names on the INTUITY Interchange database.

⇒ NOTE:

The backup process will shut down the INTUITY Interchange system for the duration of the backup. Once the backup has been completed, the INTUITY Interchange will automatically restart.

Verify that the cartridge tape to be used for storing the backup information is in the tape drive prior to executing this procedure.

To initiate an on-demand backup, do the following:

1. Log on to the INTUITY Interchange as **craft**.
2. Start at the Lucent INTUITY Administration menu ([Figure 5-1](#)).

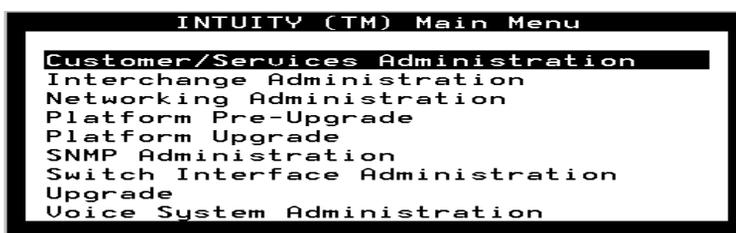
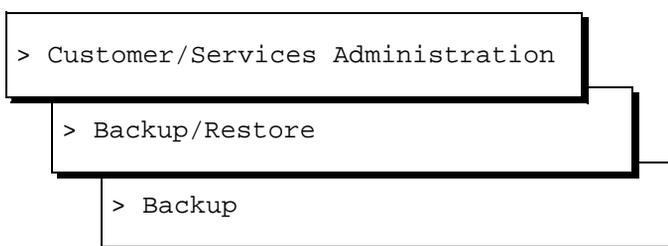


Figure 5-1. Lucent INTUITY Administration Menu

3. Select



The system displays the Backup window ([Figure 5-2](#)).

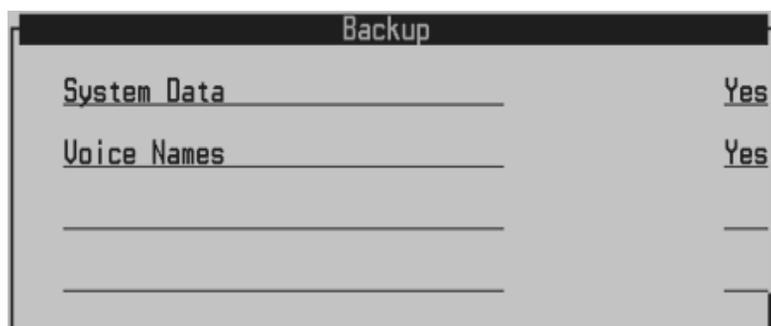


Figure 5-2. Backup Window



NOTE:

The fields displayed on the Backup window are based on your system's configuration. Therefore, your window may look different than the example shown above.

4. Enter **y** in all fields.
5. Press **F3** (Save).

The system calculates the number of tapes needed, and displays the following message:

```
the backup will need:  
x yy MB cartridge tape(s)
```



NOTE:

x is the number of tapes needed and yy is the size of the tapes needed.

The system verifies a backup tape by reading back the entire set of data written to the tape during the backup.

6. Insert the first cartridge tape into the tape drive.



NOTE:

If you insert an uninitialized tape, the system displays the message:

```
brand new tape(s) need to be initialized by using  
Format UNIX Floppy/Tape.
```

Press **ESC** and proceed to format the tapes.

The tape drive light is on while the backup is in progress and various system messages will be displayed on the screen.

7. Press **ENTER** when the tape drive light goes off.

If you are prompted for another tape, remove the current tape from the tape drive, label it with the current date and type of backup data on the tape, then insert a new tape.

When the backup is complete, the system displays the following message:

```
backup process has been completed successfully  
press any key to continue
```

8. Press **ENTER**.
9. Press **F6** (Cancel) until you exit the system.
10. Continue with the next procedure [“Stopping the Intuity Interchange Release 5.0 MAP/100 Voice System”](#).

Stopping the INTUITY Interchange Release 5.0 MAP/100 Voice System

To stop the voice system on the INTUITY Interchange Release 5.0 MAP/100 system, do the following:

1. Log on to the INTUITY Interchange as **craft**.
2. Starting at the Lucent INTUITY Administration menu ([Figure 2-1](#)), select

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

The system displays the following:

```
Wait Time seconds (60-600):
```

3. Enter the number of seconds until the voice system is to be stopped.
4. Press **F3** (Save).

The system waits until all calls in progress disconnect before stopping the voice system and then displays the following message:

```
The Voice System has stopped.  
Press "Enter" to continue.
```

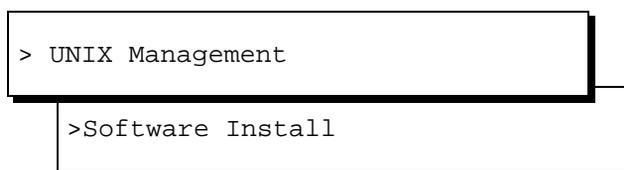
5. Press **ENTER**.

6. Press **(F6)** (Cancel) until you return to the System Management menu.
7. Continue with the next procedure [“Installing Intuity Interchange Release 5.0 Migration Software”](#).

Installing INTUITY Interchange Release 5.0 Migration Software

To install the the INTUITY Interchange Release 5.0 migration software on the INTUITY Interchange Release 5.0 MAP/100 system, do the following:

1. Start at the System Management menu and select



The system displays the Software Install menu ([Figure 5-3](#)).

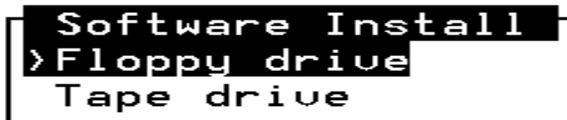


Figure 5-3. Software Install Menu

2. Insert the diskette labeled “Interchange Update on R5.0 (J1P321TE-1 L182).”
3. Select Floppy drive.

The system displays the following message:

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

4. Press **(ENTER)**.

The system displays the following message:

```
The following sets are available:
1 mig50 Migration to 5.1
(486) 1.0
```

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

5. Press **(ENTER)**.

The system displays the following message:

Do you want to continue?

6. Enter **y**.

After a few minutes of processing, the system will display the following message:

Insert a tape into tape drive....When ready Press
<Enter>

7. Insert a blank 2.5GB tape into the tape drive.

⇒ NOTE:

Verify that the tape is not on "safe" before putting into the tape drive.

8. Press **(ENTER)**.

After approximately 30 minutes, the system will display the following message:

Successful migration ended at <time>

9. Remove the diskette from the floppy drive.
10. Remove the cartridge tape from the tape drive and set it to "safe".
11. Press **(F6)** (Cancel) until you return to the Software Install menu.
12. Continue with the procedure, ["Installing Intuity Interchange Release 5.1 Migration Software"](#).

Installing INTUITY Interchange Release 5.1 Migration Software

To install the the INTUITY Interchange Release 5.1 migration software on the INTUITY Interchange Release 5.1 MAP/100 system, do the following:

1. Insert the diskette labeled "Interchange Update to R5.1 (J1P321TE-1 L183)."
2. Starting at the Software Install menu ([Figure 5-3](#)), select **Floppy** drive.

The system displays the following message:

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

3. Press **(ENTER)**.

The system displays the following message:

```
The following sets are available:
1  migto51      Interchange to 5.1 from5.0
                   (486) 1.0
```

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

4. Press **(ENTER)**.

The system displays the following message:

```
Do you want to continue?
```

5. Enter **y**

After a few minutes of processing, the system will display the following message:

```
Insert a tape into tape drive....When ready Press
<Enter>
```

6. Insert the 2.5GB tape created through the procedure [“Installing Intuity Interchange Release 5.0 Migration Software”](#) into the tape drive.

7. Press **(ENTER)**.

After approximately 30 minutes, the system will display the following message:

```
Successful migration ended at <time>
Please reboot the system
```

8. Remove the “INTUITY Interchange Update on 5.1 (J1P321TE-1 L183) diskette from the floppy drive.”
9. Remove the 2.5GB tape from the tape drive.
10. Press **(F6)** (Cancel) twice to return to the System Management menu.
11. Continue with the procedure, [“Transferring the Cables from the Intuity Interchange Release 5.0 MAP/100 Machine to the Intuity Interchange Release 5.1 MAP/100P Machine”](#).

Transferring the Cables from the INTUITY Interchange Release 5.0 MAP/100 Machine to the INTUITY Interchange Release 5.1 MAP/100P Machine

To move the cables needed from the INTUITY Interchange Release 5.0 MAP/100 system to the INTUITY Interchange Release 5.1 MAP/100P system, do the following:

1. Move the LAN cable from the SMC card on the INTUITY Interchange Release 5.0 MAP/100 system to the INTUITY Interchange Release 5.1 MAP/100P system.
2. Move the analog cables from the voice cards on the INTUITY Interchange Release 5.0 MAP/100 system to the INTUITY Interchange Release 5.1 MAP/100P system.
3. Move RS232 and DCP connections from the INTUITY Interchange Release 5.0 MAP/100 system to the INTUITY Interchange Release 5.1 MAP/100P system if necessary.
4. Continue with the procedure, "[Rebooting the Intuity Interchange Release 5.1 MAP/100P System](#)".

Rebooting the INTUITY Interchange Release 5.1 MAP/100P System

Once the upgrade is complete, the INTUITY Interchange Release 5.1 MAP/100P system must be rebooted. To reboot the system, do the following:

1. Starting at the System Management menu, select

```
> System Control
>Shutdown System
```

The system displays the following:

```
Wait Time seconds (0-60):
```

2. Enter the number of seconds until the system is to be shut down.
3. Press **F3** (Save).

The system displays the following message:

```
Shutdown started.
```

When the system is completely shut down, the system displays the following message:

```
The system is down.  
Press Ctrl-Alt-Del to reboot your computer.
```

4. Press .

The system performs a power-on self test (POST). The screen lists various hardware components and the status of the tests performed on those components.

 **NOTE:**

Ignore the following message if it is displayed.

```
WARNING ixfs:UX unmounted root file system is busy  
and cannot be unmounted cleanly
```

When the reboot is complete, the system displays the following prompt:

```
Console Login:
```

5. Press (Cancel) until you return to the Lucent INTUITY Administration menu ([Figure 2-1](#)).
6. Verify that the platform upgrade has been completed successfully. See [Chapter 6, "Verifying an Intuity Interchange Release 5.1 MAP/100P Upgrade"](#).

6

Verifying an INTUITY Interchange Release 5.1 MAP/100P Upgrade

What's in This Chapter?

This chapter contains information for verifying the Lucent INTUITY™ Interchange Release 5.0 MAP/100 network to an INTUITY Interchange Release 5.1 MAP/100P network.

All the customer's INTUITY Interchange Release 5.0 MAP/100 system and voice data has been transferred to the INTUITY Interchange Release 5.1 MAP/100P system. Before the INTUITY Interchange Release 5.0 MAP/100 system is removed from the customer site, make sure that the INTUITY Interchange Release 5.1 MAP/100P system is operating properly.

Checking for Alarms

There are several alarms that can appear on the INTUITY Interchange Release 5.1 MAP/100P system that indicate that the upgrade was not successful and that the system is not capable of operating.

In addition, there are several alarms generated during the upgrade that can be ignored by the technician. These alarms indicate temporary conditions that will be corrected when the system is placed in service.

To access the alarm log, perform the following tasks:

1. Start at the Lucent INTUITY main menu ([Figure 2-1](#)).

2. Select

```
> Customer/Services Administration
> Log Administration
> Alarm Log
```

The system displays the Alarm Log Display Selection window (Figure 6-1).

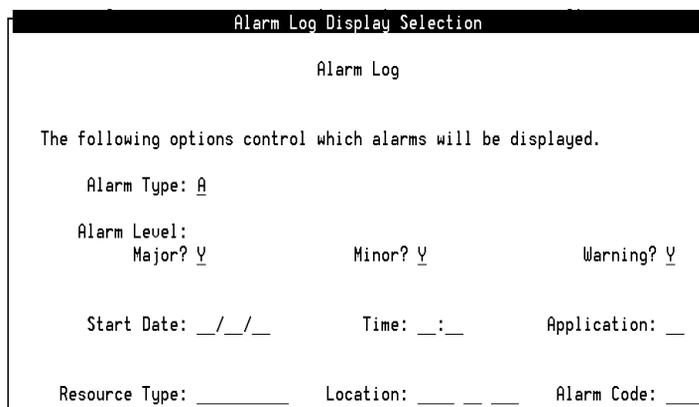


Figure 6-1. Alarm Display Selection Window

3. Press **F3** (Save) to display the alarm log using the default display options (recommended) or enter information based on the following:

- **A** (active) in the Alarm Type: field
- **Y** in the Alarm Level: Major field

The system displays the Alarm Log window (Figure 6-2).

Alarm Log								
App	Resource	Location	Alarm Code	Alm Lvl	Ack	Date/Time Alarmed	Date/Time Resolved	Resolve Reason
IC	SOFTWARE		0003	MAJ	N	09/03/98 10:32		
MT	MIRROR		1	MIN	N	09/03/98 11:19		

Figure 6-2. Alarm Log Window

4. Read the listed alarms and either contact the remote support center or continue with the upgrade. Depending on the alarm, one of three things may be indicated:
 - Failure of the upgrade
 - Failure of the custom announcement set transfer
 - No failure

See [“Intuity™ Messaging Solutions Release 4.0 Alarm and Log Messages”](#) for a list of alarms and resolutions.

5. If there are no alarms or once the alarms have been resolved, press (F6) (Cancel) until you return to the Lucent INTUITY main menu ([Figure 2-1](#)).
6. Continue with the next procedure, [“Verifying the Intuity Interchange System Date and Time”](#).

Verifying Feature Options

The feature options configuration in the INTUITY Interchange Release 5.1 MAP/100P system should match the information in the INTUITY Interchange Release 5.0 MAP/100 system, unless new features were purchased.

⇒ NOTE:

Only certified Lucent personnel can change options in this window, but it can be displayed for informational purposes. If new feature options were purchased, but are not displayed correctly on the Feature Option window ([Figure 6-3](#)), contact enhanced services.

To verify feature options, do the following:

1. Start at the Lucent INTUITY main menu ([Figure 2-1](#)).
2. Select

```
> Customer/Services Administration
> Feature Options
```

The system displays the Feature Options (Read Only) window ([Figure 6-3](#)).

Feature Options (Read Only)		
Feature Option	Current	Maximum
AMIS Analog Gateway Module	ON	N/A
Call Detail Recording (CDR)	ON	N/A
Enterprise Lists Administration	ON	N/A
High speed digital ports	6	12
Low speed digital ports	6	12
Maximum Number of AMIS Nodes	100	500
Maximum Number of Digital Nodes	100	500
SCSI Disk Mirroring	ON	N/A
SNMP	ON	N/A
TCP/IP Administration	ON	N/A
TCPIP digital ports	6	12
Text-to-Speech Sessions	0	4
hours_of_speech	285	446
voice_ports	30	36

Figure 6-3. Feature Options (Read Only) Window

[Table 6-1](#) describes the feature options in this window that apply to the INTUITY Interchange system.

Table 6-1. Feature Option (Read Only) Window Field Descriptions

Feature Option	Current	Maximum
AMIS Analog Gateway Module	ON or OFF; indicates whether AMIS analog gateway has been purchased.	N/A
Call Detail Recording (CDR)	ON or OFF; indicates whether CDR has been purchased.	N/A
Enterprise Lists Administration	ON or OFF; indicates whether Enterprise Lists was purchased.	N/A
High speed digital ports	Number of high speed INTUITY AUDIX digital networking (DCP) ports.	12
Low speed digital ports	Number of low speed INTUITY AUDIX® digital networking (DCP) ports.	12
Maximum Number of AMIS Nodes	Number of remote AMIS analog machines connected to the INTUITY Interchange.	500  NOTE: The sum of this field, the Max Number of OctelNet Nodes, and the Maximum Number of Digital Nodes field must <i>not</i> exceed 500.

Table 6-1. Feature Option (Read Only) Window Field Descriptions

Feature Option	Current	Maximum
Maximum Number of Digital Nodes	Number of remote digital machines connected to this INTUITY Interchange.	500  NOTE: The sum of this field, the Max Number of OctelNet Nodes, and the Maximum Number of AMIS Nodes field must <i>not</i> exceed 500.
SCSI Disk Mirroring	ON for MAP/100P systems.	N/A
SNMP	ON or OFF; indicates whether SNMP was purchased.	N/A
TCP/IP Administration	ON or OFF; indicates whether TCP/IP was purchased.	
TCPIP digital ports	Number of digital ports purchased.	12
Text-to-Speech Sessions	Number of text-to-speech sessions purchased.	4
hours_of_speech	Number of hours of speech on the INTUITY Interchange system's hard disks.	430
voice_ports	Number of analog ports on the INTUITY Interchange.	12

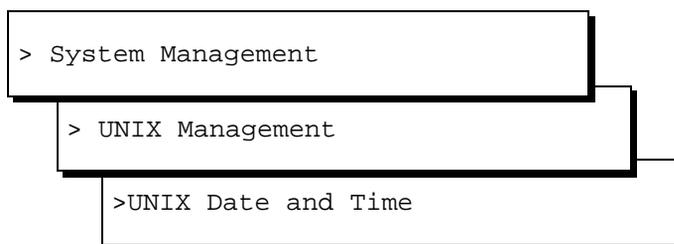
(2 of 2)

3. Press **F6** (Cancel) until you return to the Customer/Services Administration menu.
4. Continue with the next procedure, "[Verifying the Intuity Interchange System Date and Time](#)".

Verifying the INTUITY Interchange System Date and Time

To verify the INTUITY Interchange Release 5.1 MAP/100P system date and time, do the following:

1. Start from the Customer/Services Administration menu ([Figure 2-1](#)) and select



The system displays the UNIX Date and Time window ([Figure 6-4](#)).

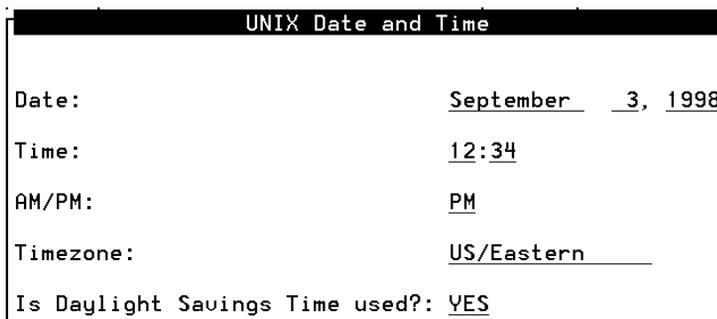


Figure 6-4. UNIX Date and Time Window

2. Check the date and time information. If there are inaccuracies, continue according to the information in [Table 6-2](#).

If there are no inaccuracies, press **Ⓞ** (Cancel) until you return to the Lucent INTUITY Interchange main menu ([Figure 2-1](#)).

Table 6-2. UNIX Date and Time Window Field Descriptions

Field Name	Description	Valid Input
Date	Current month, date, and year.	Type the first 3 characters of the current month and press (TAB) . Type a value from 1 to 31 and press (TAB) . Type the current year and press (TAB) .
Time	Current hour and minute.	Type a number from 0 – 12, then a number from 00 – 59.
AM/PM	Designates current time as AM or PM.	AM PM
Timezone	Indicates the time zone in which the INTUITY Interchange resides.	<ul style="list-style-type: none"> ■ Greenwich ■ Atlantic ■ US/Eastern ■ US/Central ■ US/Mountain ■ US/Pacific ■ Yukon ■ Alaska ■ Hawaii ■ Bering ■ Kwajalein ■ Newfoundland ■ Brazil ■ Mid Atlantic ■ Azores ■ Europe/Western <p>⇒ NOTE: Changes made to this field do not take effect until you log out of the Lucent INTUITY system and then log back in.</p>
Is Daylight Savings Time Used?	Indicates whether the system clock is in a timezone that implements daylight savings time from April to October. ⇒ NOTE: For non-US locations, set Daylight Savings Time to No .	y for yes n for no

3. Press **F3** (Save) to save the UNIX system date and time changes.

The system logs a message to the Administrator's Log informing you of any changes made to the UNIX date and time.

4. Press **F6** (Cancel) to return to the Lucent INTUITY Administration menu ([Figure 2-1](#)).

INTUITY Interchange Release 5.2 Software Update Checklist



What's in This Chapter?

This chapter contains a checklist for updating a Lucent INTUITY™ Interchange Release 5.1 system with INTUITY Interchange Release 5.2 software. It should be used in conjunction with the procedures in [Chapter 8, "Intuity Interchange Release 5.2 Software Update Procedures"](#).

INTUITY Interchange Release 5.2 Software Update Checklist

[Table 7-1](#) provides a checklist for updating an existing INTUITY Interchange Release 5.1 system with INTUITY Interchange Release 5.2 software.

Table 7-1. INTUITY Interchange Release 5.2 Software Update Checklist

(v)	Task	Reference Documentation
	Back up the INTUITY Interchange Release 5.1 system.	“Backing up System and Voice Data” in Chapter 8, “Intuity Interchange Release 5.2 Software Update Procedures”
	Stop the INTUITY Interchange Release 5.1 voice system.	“Stopping the Voice System” in Chapter 8, “Intuity Interchange Release 5.2 Software Update Procedures”
	Remove any existing INTUITY Interchange application RFU.	“Removing an Existing Intuity Interchange Application RFU” in Chapter 8, “Intuity Interchange Release 5.2 Software Update Procedures”
	Install the INTUITY Interchange Migration 5.1 application software.	“Installing the Intuity Interchange Migration 5.1 Application Software” in Chapter 8, “Intuity Interchange Release 5.2 Software Update Procedures”
	Setup the base for the Oracle software.	“Setting up the Base for the Oracle Software” in Chapter 8, “Intuity Interchange Release 5.2 Software Update Procedures”
	Install INTUITY Interchange Release 5.2 application software.	“Installing the Intuity Interchange Release 5.2 Application Software” in Chapter 8, “Intuity Interchange Release 5.2 Software Update Procedures”
	Install the INTUITY Interchange Migration 5.2 application software.	“Installing the Intuity Interchange Migration 5.2 Application Software” in Chapter 8, “Intuity Interchange Release 5.2 Software Update Procedures”

Table 7-1. INTUITY Interchange Release 5.2 Software Update Checklist

(v)	Task	Reference Documentation
	Install the INTUITY Interchange Release 5.2 application RFU, if necessary.	“Installing the Intuity Interchange Application RFU” in Chapter 8, “Intuity Interchange Release 5.2 Software Update Procedures”
	Reboot the INTUITY Interchange Release 5.2 system.	“Rebooting the Intuity Interchange System” in Chapter 8, “Intuity Interchange Release 5.2 Software Update Procedures”
	Verify the INTUITY Interchange Release 5.2 system upgrade.	Chapter 9, “Verifying an Intuity Interchange Release 5.2 Software Update”

(2 of 2)

INTUITY Interchange Release 5.2 Software Update Procedures

8

What's in This Chapter?

⇒ NOTE:

All hardware associated with the platform upgrade should have been previously installed. For information on a platform upgrade, see *Lucent INTUITY™ Messaging Solutions Release 4 Upgrade Procedures, 585-310-168* for more information.

This chapter describes the procedures for updating an INTUITY Interchange Release 5.1 system with INTUITY Interchange Release 5.2 software.

Backing up System and Voice Data

⇒ NOTE:

Verify that the cartridge tape to be used for storing the backup information is in the tape drive prior to executing this procedure.

This backup will take approximately 90 minutes to complete. The actual time will be determined by the total number of subscribers and voice names on the INTUITY Interchange database.

⇒ NOTE:

The backup process will shut down the INTUITY Interchange system for the duration of the backup. Once the backup has been completed, the INTUITY Interchange will automatically restart.

Verify that the cartridge tape to be used for storing the backup information is in the tape drive prior to executing this procedure.

To initiate an on-demand backup, do the following:

1. Log on to the INTUITY Interchange as **craft**.
2. Start at the Lucent INTUITY Administration menu ([Figure 8-1](#)).

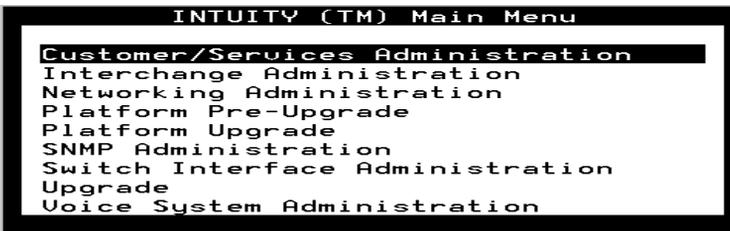
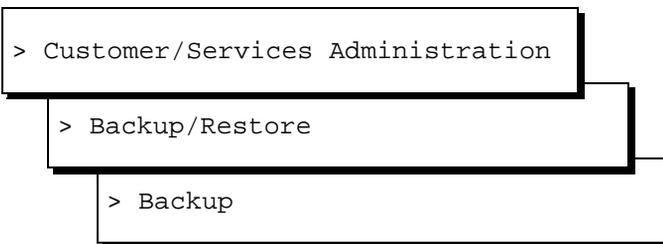


Figure 8-1. Lucent INTUITY Administration Menu

3. Select



The system displays the Backup window ([Figure 8-2](#)).

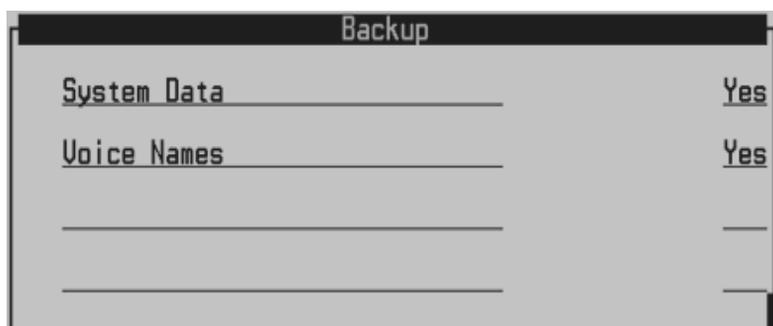


Figure 8-2. Backup Window



NOTE:

The fields displayed on the Backup window are based on your system's configuration. Therefore, your window may look different than the example shown above.

4. Enter **y** in all fields.
5. Press **F3** (Save).

The system calculates the number of tapes needed, and displays the following message:

```
the backup will need:  
x yy MB cartridge tape(s)
```



NOTE:

x is the number of tapes needed and yy is the size of the tapes needed.

The system verifies a backup tape by reading back the entire set of data written to the tape during the backup.

6. Insert the first cartridge tape into the tape drive.



NOTE:

If you insert an un-initialized tape, the system displays the message:

```
brand new tape(s) need to be initialized by using  
Format UNIX Floppy/Tape.
```

Press **ESC** and proceed to format the tapes.

The tape drive light is on while the backup is in progress and various system messages will be displayed on the screen.

7. Press **ENTER** when the tape drive light goes off.

If you are prompted for another tape, remove the current tape from the tape drive, label it with the current date and type of backup data on the tape, then insert a new tape.

When the backup is complete, the system displays the following message:

```
backup process has been completed successfully  
press any key to continue
```

8. Press **ENTER**.
9. Press **F6** (Cancel) until you exit the system.
10. Follow the procedures listed in ["Successful Backup Verification"](#) to verify that the backup has completed successfully.

Successful Backup Verification

To verify that the backup was successful, do the following:

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

The system displays the Lucent INTUITY™ Administration menu ([Figure 2-1](#)).

2. Select

```
> Customer/Services Administration
```

```
>Log Administration
```

```
> Administrator's Log
```

The system displays the Administrator's Log Display Selection screen ([Figure 8-3](#)).

Administrator's Log Display Selection

Administrator's Log

The following options control which entries will be displayed.

Start Date: __/__/__ Time: __:__:__

Application: __ Event ID: _____

Search String: _____

Figure 8-3. Administrator's Log Display Selection Screen

3. Enter today's date in the `Start Date` field.
4. Press `(TAB)` until you reach the `Event ID` field.
5. Enter **BKRST001** in the `Event ID` field.
6. Press `(F3)` (Save).

The system displays the Administrator's Log ([Figure 8-4](#)).

Date	Time	App	Event ID	Cnt	Message
03/03/98	04:00				Backup process has completed successfully

Figure 8-4. Administrator's Log

7. Verify that there is an entry with the current date and the following text:
Backup process has been completed successfully.
8. Press `(F6)` (Cancel) until you exit the system.
9. Continue with the next procedure, "[Stopping the Voice System](#)".

Stopping the Voice System

To stop the voice system, do the following:

1. Log on to the INTUITY Interchange as **craft**.
2. Starting at the Lucent INTUITY Administration menu ([Figure 2-1](#)), select

```
> Customer/Services Administration
```

```
> System Management
```

```
> System Control
```

```
>Stop Voice System
```

The system displays the following:

```
Wait Time seconds (60-600):
```

3. Enter the number of seconds until the voice system is to be stopped.
4. Press **F3** (Save).

The system waits until all calls in progress disconnect before stopping the voice system and then displays the following message:

```
The Voice System has stopped.  
Press "Enter" to continue.
```

5. Press **ENTER**.
6. Press **F6** (Cancel) until you return to the System Management menu.
7. Continue with the next procedure, "[Removing an Existing Intuity Interchange Application RFU](#)".

Removing an Existing INTUITY Interchange Application RFU

To remove an existing INTUITY Interchange application RFU, do the following:

1. Starting at the System Management menu, select

```
> UNIX Management
```

```
>Software Remove
```

The system displays the Software Remove screen ([Figure 8-5](#)).

```
The following packages are available:
1  EMM-RFU      PT$ EMM platform RFU+B
                (486) 1.0
2  INTUNIX     UNIX SUR4.2 Enhancement Set - Update G
                (486) Rel. 2 of Indep UNIX, USL SUR4.2.3
3  IUC6DI      Lucent Intuity IUC6 Device Interface for softFAX 2.0
                (x86sur4_ints1) 2.0.07.32
4  OSmods      Intuity Operating System Modifications Module
                (486) 3.0-42e
5  VMset       Intuity AUDIX software set
                (486) 3.0-18e
6  aag         Intuity Interchange AAG Package
                (486) 1.20
7  acp         Enhanced Application Compatibility
                (386) 1
8  admin       Administration Set
                (386) 1
9  adscfix     UNIX SUR4.2 ADSC Driver Patch - Update G
                (486) Rel. 2 of Indep UNIX, USL SUR4.2.3, ver. 1
10 audfs      AUDIX File system
                (MFB) R1.1

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

Figure 8-5. Software Remove Screen

2. Locate the existing INTUITY Interchange application RFU (*ichg+X*).
3. Note the number of the RFU, located in the first column of the Software Remove screen ([Figure 8-5](#)).
4. If there is no RFU listed, enter **q** to quit and press **F6** (Cancel) until you return to the UNIX Management menu. Continue with the next procedure, [“Installing the Intuity Interchange Migration 5.1 Application Software”](#).
5. Press **CTRL D**.

The system displays the following message:

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

6. Enter the number of the RFU.

The system displays the name and version number for the package selected.

7. Enter **y**



NOTE:

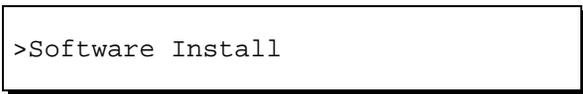
If the system displays any messages warning of dependencies, enter **y** again to continue with the software removal.

8. Once the system has removed the RFU, it will return to the UNIX Management menu.
9. Continue with the next procedure, [“Installing the Intuity Interchange Migration 5.1 Application Software”](#).

Installing the INTUITY Interchange Migration 5.1 Application Software

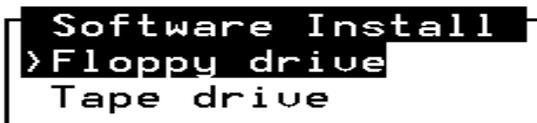
To install the INTUITY Interchange migration 5.1 application software, do the following:

1. Starting at the UNIX Management menu, select



```
>Software Install
```

The system displays the Software Install menu ([Figure 8-6](#)).



```
Software Install  
>Floppy drive  
Tape drive
```

Figure 8-6. Software Install Menu

2. Insert the tape labeled "INTUITY Interchange Software Set" into the tape drive.
3. Select Tape drive.

The system displays the following message:

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

4. Press **(ENTER)**.

The system displays the following message:

```
Installation in progress. Do not remove the cartridge  
The following pkgs are available:
```

```
1 (interchg) Intuity Interchange Software Set  
(INTERCHANGE) 5.2.x
```

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

5. Enter **1**

The system displays the following message:

```
Intuity Interchange Software Set  
(INTERCHANGE) 5.2.x  
Using </> as the package base directory
```

Select type of installation:

- 1) All Packages - Installs Software and Initial Database
- 2) Software Only - Installs only the Software
- 3) Interchange Announcement Sets
- 4) Setup Oracle for Interchange
- 5) Custom Installation
- 6) Quit Installation

Select (1-6):

6. Enter **5**

The system displays the following message:

```
You have selected to do a custom installation. You will  
be prompted for which packages to install.
```

```
Do you wish to continue? [y, n, ?,q]
```

7. Enter **y**

The system will display a list of packages which can be installed.

8. Enter **y** to mig51 package and **n** to all other packages.

Once the system has completed installing the INTUITY Interchange 5.1 migration software, it will display the following message:

```
Processing of <INTUITY Interchange Software Set> is  
completed.
```

```
Insert a cartridge tape into Tape Drive 1.
```

```
Type [go] when ready
```

```
or [q] to quit: (default: go)
```

9. Continue with the next procedure, [“Setting up the Base for the Oracle Software”](#).

Setting up the Base for the Oracle Software

To set up the base for the Oracle software, do the following:

1. With the tape labeled "INTUITY Interchange Software Set" still in the tape drive, press `(ENTER)`.

The system displays the following message:

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

```
The following pkgs are available:
```

```
1 (interchg) Intuity Interchange Software Set  
(INTERCHANGE) 5.2.x
```

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

2. Enter **1**

The system displays the following message:

```
Intuity Interchange Software Set  
(INTERCHANGE) 5.2.x
```

```
Using </> as the package base directory
```

```
Select type of installation:
```

- 1) All Packages - Installs Software and Initial Database
- 2) Software Only - Installs only the Software
- 3) Interchange Announcement Sets
- 4) Setup Oracle for Interchange
- 5) Custom Installation
- 6) Quit Installation

```
Select (1-6):
```

3. Enter **4**

The system displays the following message:

```
Do you wish to continue "y"?
```

4. Enter **y**

Once the Oracle base has been installed, the system will display the following message:

```
Processing of <Intuity Interchange Software Set> is  
completed
```

```
Insert a cartridge tape into Tape Drive 1.
```

```
Type [go] when ready
```

```
or [q] to quit: (default: go)
```

5. Continue with the next procedure, ["Installing the Intuity Interchange Release 5.2 Application Software"](#).

Installing the INTUITY Interchange Release 5.2 Application Software

To install the INTUITY Interchange Release 5.2 application software, do the following:

1. With the tape labeled "INTUITY Interchange Software Set" still in the tape drive, press `[ENTER]`.

The system displays the following message:

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

```
The following pkgs are available:
```

```
1 (interchg) Intuity Interchange Software Set  
(INTERCHANGE) 5.2.x
```

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

2. Enter 1

The system displays the following message:

```
1 Intuity Interchange Software Set  
(INTERCHANGE) 5.2.x
```

```
Using </> as the package base directory
```

```
Select type of installation:
```

- 1) All Packages - Installs Software and Initial Database
- 2) Software Only - Installs only the Software
- 3) Interchange Announcement Sets
- 4) Setup Oracle for Interchange
- 5) Custom Installation
- 6) Quit Installation

```
Select (1-6):
```

3. Enter 1

The system displays the following message:

```
You have selected to install all packages including the  
default database.
```

```
WARNING!! This will destroy the existing Interchange  
database.
```

```
Do you wish to continue? [y, n, ?, q]
```

4. Enter y

Once the system has completed installing the software, it will display the following message:

```
Processing of <INTUITY Interchange Software Set> is
completed.
```

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

5. Continue with the next procedure, "[Installing the Intuity Interchange Migration 5.2 Application Software](#)".

Installing the INTUITY Interchange Migration 5.2 Application Software

To install the INTUITY Interchange migration 5.2 application software, do the following:

1. With the tape labeled "INTUITY Interchange Software Set" still in the tape drive, press **(ENTER)**.

The system displays the following message:

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

```
The following pkgs are available:
```

```
1 (interchg) Intuity Interchange Software Set
      (INTERCHANGE) 5.2.x
```

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

2. Enter 1

The system displays the following message:

```
Intuity Interchange Software Set
(INTERCHANGE) 5.2.x
```

```
Using </> as the package base directory
```

```
Select type of installation:
```

- 1) All Packages - Installs Software and Initial Database
- 2) Software Only - Installs only the Software
- 3) Interchange Announcement Sets
- 4) Setup Oracle for Interchange
- 5) Custom Installation
- 6) Quit Installation

```
Select (1-6):
```

3. Enter **5**

The system displays the following message:

```
You have selected to do a custom installation. You will  
be prompted for which packages to install.
```

```
Do you wish to continue? [y, n, ?,q]
```

4. Enter **y**

The system will display a list of packages which can be installed.

5. Enter **y** to migto52 package and **n** to all other packages.

Once the system has completed installing the INTUITY Interchange 5.2 migration software, it will display the following message:

```
Processing of <INTUITY Interchange Software Set> is  
completed.
```

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

6. Enter **q**

7. Remove the "INTUITY Interchange Software Set" tape from the tape drive.

8. If you received a tape labeled "Remote Field Update for INTERCHANGE", press **F6** (Cancel) until you return to the UNIX Management menu and continue with the next procedure, ["Installing the Intuity Interchange Application RFU"](#).

If you did not receive this tape, press **F6** (Cancel) until you return to the System Management menu and reboot the system. See ["Rebooting the Intuity Interchange System"](#).

Installing the INTUITY Interchange Application RFU

⇒ NOTE:

This procedure is to be completed only if you received a tape labeled "Remote Field Update for INTERCHANGE".

To install the INTUITY Interchange application RFU, do the following:

1. Starting at the UNIX Management menu, select

```
>Software Install
```

The system displays the Software Install menu ([Figure 8-6](#)).

2. Insert the tape labeled "Remote Field Update for INTERCHANGE."
3. Press **(ENTER)**.

The system displays the following message:

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

```
The following pkgs are available:
```

```
1  ichg+x  Remote Field Update for INTERCHANGE
```

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

4. Press **(ENTER)**.

Once the RFU has been installed, the system displays the following message:

```
Processing of <Remote Field Update for INTERCHANGE> is  
completed.
```

```
Insert a cartridge tape into Tape Drive 1.
```

```
Type [go] when ready
```

```
or [q] to quit: (default: go)
```

5. Enter **q**
6. Remove the tape labeled "Remote Field Update for INTERCHANGE " from the tape drive.
7. Press **(F6)** (Cancel) until you return to the System Management menu.
8. Reboot the system. See the next procedure ["Rebooting the Intuity Interchange System"](#).

Rebooting the INTUITY Interchange System

To re-boot the INTUITY Interchange system, do the following:

1. Starting at the System Management menu, select

```
> Shutdown System
```

2. Enter **y**

The system displays the following:

```
Wait Time seconds (0-60):
```

3. Enter the number of seconds until the system is to be shut down.

4. Press **F3** (Save).

The system displays the following message:

```
Shutdown started.
```

When the system is completely shut down, the system displays the following message:

```
The system is down.  
Press Ctrl-Alt-Del to reboot your computer.
```

5. Press **CTRL** **ALT** **DELETE**.

The system performs a power-on self test (POST). The screen lists various hardware components and the status of the tests performed on those components.

⇒ NOTE:

The system will display the following message during the reboot:

```
The UNIX operating system kernel will now be  
rebuilt to incorporate recent configuration  
changes.
```

```
Strike ENTER when ready or Esc to stop.
```

You *do not* have to take action to continue the shutdown.

Once the shutdown has been completed, the system displays the following prompt:

```
Startup of the Voice System is complete.  
Console Login:
```

⇒ NOTE:

The voice system will automatically be restarted. Do *not* continue with the next procedure until the voice system has been restarted.

6. Verify that the INTUITY Interchange Release 5.2 software update was successful. See [Chapter 9, "Verifying an Intuity Interchange Release 5.2 Software Update"](#).

Verifying an INTUITY Interchange Release 5.2 Software Update

9

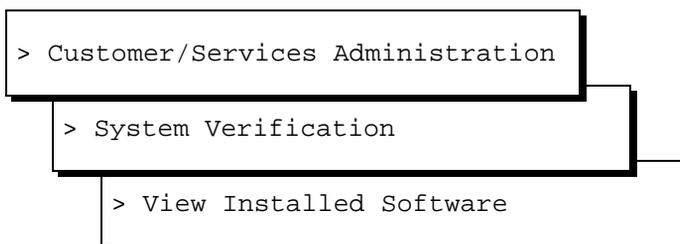
What's in This Chapter?

This chapter contains information for verifying the software update for a Lucent INTUITY™ Interchange Release 5.2 system.

INTUITY Interchange Release 5.2 Software Update Verification

To verify the updated software installation of the INTUITY Interchange, do the following:

1. Log into the INTUITY Interchange system as **craft**.
2. Start at the INTUITY Administration menu ([Figure 2-1](#)) and select



The system displays the View Installed Software screen ([Figure 9-1](#)). Use **(F2)** (Next Page) and **(F3)** (Prev Page) to move through the View Installed Software screen.

```
View Installed Software

Displaying pkginfo (long version) for only the application
packages...

Displaying pkginfo for package Vex

  PKGINST: Vex
    NAME: Intuity Application Software Set
  CATEGORY: set
    ARCH: 486
  VERSION: 3.0-38
  PSTAMP: 3.38.0 R3.0 IP38 Tue Jul 11 10:22:32 EDT 1995
```

Figure 9-1. Sample View Installed Software Screen

3. Locate the following packages in the View Installed Software screen:



NOTE:

The order of the packages vary in the View Installed Software screen. These packages do not necessarily appear in the order listed below.

- INTUITY AUDIX Application Software
 - netw
 - platupg
 - sdialer
 - tcpadm
 - upgrade
- Oracle Software
 - ORACLEset
- INTUITY Interchange Application Software
 - aag
 - ichg
 - ic_us-eng
 - icdfitdb
 - icdfitdb (MAP/5P only)
 - icftp
 - ichgftp
 - ichgsnmp
 - ichgupgr
 - icswrule
 - jamrt
 - mmd
 - mmddfildb
 - octelnet

radutl
sce
setupora

■ INTUITY Interchange Switch Software

dciutism
or
slibtism
or
vbptctism

4. Press (F6) (Cancel) until you return to the Customer/Services Administration menu.
5. Continue with the next procedure, "[Verifying Feature Options](#)".

Verifying Feature Options

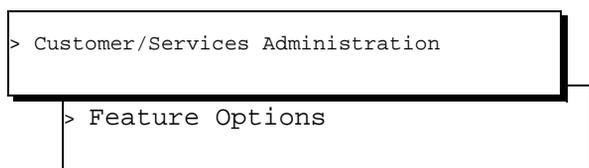
The feature options configuration for the new INTUITY Interchange Release 5.2 system should be all INTUITY Interchange 5.1 feature options, as well as any new features purchased.

⇒ NOTE:

Only certified Lucent personnel can change options in this window, but it can be displayed for informational purposes. If new feature options were purchased, but are not displayed correctly on the Feature Option window ([Figure 9-2](#)), contact enhanced services.

To verify feature options, do the following:

1. Start at the Customer/Services Administration menu, and select



The system displays the Feature Options (Read Only) window ([Figure 9-2](#)).

Feature Options (Read Only)		
Feature Option	Current	Maximum
Call Detail Recording (CDR)	ON	N/A
Enterprise Lists Administration	ON	N/A
High speed digital ports	6	12
Low speed digital ports	6	12
Max Number of OctelNet Nodes	10	500
Maximum Number of AMIS Nodes	100	500
Maximum Number of Digital Nodes	100	500
SCSI Disk Mirroring	ON	N/A
SNMP	ON	N/A
TCP/IP Administration	ON	N/A
TCPIP digital ports	4	12
Text-to-Speech Sessions	0	4
hours_of_speech	292	430
voice_ports	12	12

Figure 9-2. Feature Options (Read Only) Window

[Table 9-1](#) describes the feature options in this window that apply to the INTUITY Interchange Release 5.2 system.

Table 9-1. Feature Option (Read Only) Window Field Descriptions

Feature Option	Current	Maximum
Call Detail Recording (CDR)	ON or OFF; indicates whether CDR has been purchased.	N/A
Enterprise Lists Administration	ON or OFF; indicates whether Enterprise Lists was purchased.	N/A
High speed digital ports	Number of high speed INTUITY AUDIX® digital networking (DCP) ports.	12
Low speed digital ports	Number of low speed INTUITY AUDIX® digital networking (DCP) ports.	12

Table 9-1. Feature Option (Read Only) Window Field Descriptions

Feature Option	Current	Maximum
Max Number of OctelNet Nodes	Number of remote OctelNet analog machines connected to the INTUITY Interchange.	500 ⇒ NOTE: The sum of this field, the Maximum Number of AMIS Nodes, and the Maximum Number of Digital Nodes field must <i>not</i> exceed 500.
Maximum Number of AMIS Nodes	Number of remote AMIS analog machines connected to the INTUITY Interchange.	500 ⇒ NOTE: The sum of this field, the Max Number of OctelNet Nodes, and the Maximum Number of Digital Nodes field must <i>not</i> exceed 500.
Maximum Number of Digital Nodes	Number of remote digital machines connected to this INTUITY Interchange.	500 ⇒ NOTE: The sum of this field, the Max Number of OctelNet Nodes, and the Maximum Number of AMIS Nodes field must <i>not</i> exceed 500.
SCSI Disk Mirroring	ON for MAP/100P systems OFF for MAP/5P systems	N/A
SNMP	ON or OFF; indicates whether SNMP was purchased.	N/A
TCP/IP Administration	ON or OFF; indicates whether TCP/IP was purchased.	

Table 9-1. Feature Option (Read Only) Window Field Descriptions

Feature Option	Current	Maximum
TCPIP digital ports	Number of digital ports purchased.	12
Text-to-Speech Sessions	Number of text-to-speech sessions purchased.	4
hours_of_speech	Number of hours of speech on the INTUITY Interchange system's hard disks.  NOTE: For a MAP/100P system, the number of hours is 285. For a MAP/5P system, the number of hours is 200.	430
voice_ports	Number of analog ports on the INTUITY Interchange.	12

(3 of 3)

2. Press **F6** (Cancel) until you return to the Lucent INTUITY Administration menu ([Figure 2-1](#)).

INTUITY Interchange Release 5.3 Software Update Checklist

10

What's in This Chapter?

This chapter contains a checklist for updating a Lucent INTUITY™ Interchange Release 5.2 system with INTUITY Interchange Release 5.3 software. It should be used in conjunction with the procedures in [Chapter 11, "Intuity Interchange Release 5.3 Software Update Procedures"](#).

INTUITY Interchange Release 5.3 Software Update Checklist

[Table 10-1](#) provides a checklist for updating an existing INTUITY Interchange Release 5.2 system with INTUITY Interchange Release 5.3 software.

Table 10-1. INTUITY Interchange Release 5.3 Software Update Checklist

(√)	Task	Reference Documentation
	Back up the INTUITY Interchange Release 5.2 system.	"Backing up System and Voice Data" in Chapter 11, "Intuity Interchange Release 5.3 Software Update Procedures"
	Stop the INTUITY Interchange Release 5.2 voice system.	"Stopping the Voice System" in Chapter 11, "Intuity Interchange Release 5.3 Software Update Procedures"

Table 10-1. INTUITY Interchange Release 5.3 Software Update Checklist

(√)	Task	Reference Documentation
	Remove any existing INTUITY Interchange application RFU.	“Removing an Existing Intuity Interchange Application RFU” in Chapter 11, “Intuity Interchange Release 5.3 Software Update Procedures”
	Install INTUITY Interchange Release 5.3 application software.	“Installing the Intuity Interchange 5.3 Application Software” in Chapter 11, “Intuity Interchange Release 5.3 Software Update Procedures”
	Reboot the INTUITY Interchange Release 5.3 system.	“Rebooting the Intuity Interchange System” in Chapter 11, “Intuity Interchange Release 5.3 Software Update Procedures”
	Verify the INTUITY Interchange Release 5.3 system upgrade.	Chapter 12, “Verifying an Intuity Interchange Release 5.3 Software Update”

INTUITY Interchange Release 5.3 Software Update Procedures

11

What's in This Chapter?



NOTE:

All hardware associated with the platform upgrade should have been previously installed. For information on a platform upgrade, see *Lucent INTUITY™ Messaging Solutions Release 4 Upgrade Procedures, 585-310-168* for more information.

This chapter describes the procedures for upgrading an INTUITY Interchange Release 5.2 system with INTUITY Interchange Release 5.3 software.

Backing up System and Voice Data



NOTE:

Verify that the cartridge tape to be used for storing the backup information is in the tape drive prior to executing this procedure.

This backup will take approximately 90 minutes to complete. The actual time will be determined by the total number of subscribers and voice names on the INTUITY Interchange database.

⇒ NOTE:

The backup process will shut down the INTUITY Interchange system for the duration of the backup. Once the backup has been completed, the INTUITY Interchange will automatically restart.

Verify that the cartridge tape to be used for storing the backup information is in the tape drive prior to executing this procedure.

To initiate an on-demand backup, do the following:

1. Log on to the INTUITY Interchange as **craft**.
2. Start at the Lucent INTUITY Administration menu ([Figure 11-1](#)).

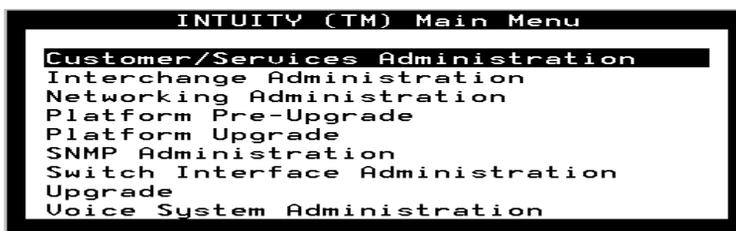
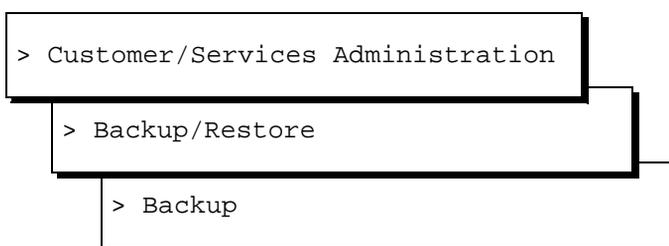


Figure 11-1. Lucent INTUITY Administration Menu

3. Select the following:



The system displays the backup window ([Figure 11-2](#)).

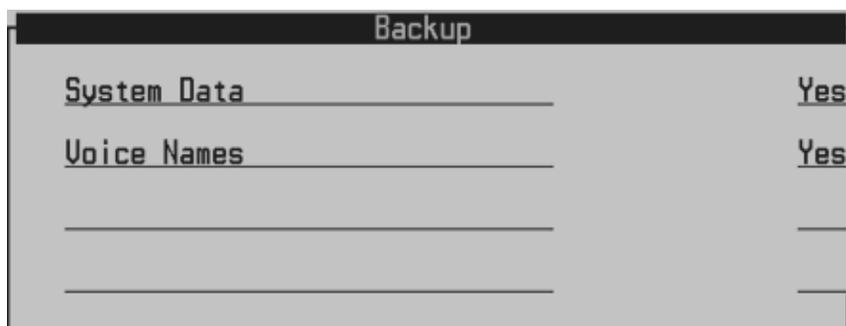


Figure 11-2. Backup Window



NOTE:

The fields displayed on the `backup` window are based on your system's configuration. Therefore, your window may look different than the example shown above.

4. Enter `y` in all fields.
5. Press `F3` (Save).

The system calculates the number of tapes needed and displays the following message (`x` is the number of tapes needed and `yy` is the size of the tapes needed):

```
the backup will need:  
x yy MB cartridge tape(s)
```

The system verifies a backup tape by reading back the entire set of data written to the tape during the backup.

Then the system asks:

Please insert a tape into the tape drive to back up tape 1.

Press `ENTER` when tape is inserted.

Press `ESC` key to terminate the backup.

6. Insert the first cartridge tape into the tape drive.



NOTE:

If you insert an un-initialized tape, the system displays the message:

```
brand new tape(s) need to be initialized by using  
Format UNIX Floppy/Tape.
```

Press `ESC` and proceed to format the tapes.

The tape drive light is on while the backup is in progress and various system messages will be displayed on the screen.

7. Press **ENTER** when the tape drive light goes off.

If you are prompted for another tape, remove the current tape from the tape drive, label it with the current date and type of backup data on the tape, then insert a new tape.

When the backup is complete, the system displays the following message:

```
backup process has been completed successfully.  
press any key to continue.
```

8. Press **ENTER**.
9. Press **F6** (Cancel) until you exit the system.
10. Remove the tape.
11. Follow the procedures listed in ["Successful Backup Verification"](#) to verify that the backup has completed successfully.

Successful Backup Verification

To verify that the backup was successful, do the following:

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

NOTE:

You can also log on as **craft**.

The system displays the Lucent INTUITY™ Administration menu ([Figure 2-1](#)).

2. Select

```
> Customer/Services Administration  
>Log Administration  
> Administrator's Log
```

The system displays the Administrator's Log Display Selection screen ([Figure 11-3](#)).

Administrator's Log Display Selection

Administrator's Log

The following options control which entries will be displayed.

Start Date: __/__/__ Time: __:__:__

Application: __ Event ID: _____

Search String:

Figure 11-3. Administrator's Log Display Selection Screen

3. Enter today's date in the Start Date field.
4. Press **(TAB)** until you reach the Event ID field.
5. Enter **BKRST001** in the Event ID field.
6. Press **(F3)** (Save).

The system displays the Administrator's Log ([Figure 11-4](#)).

Date	Time	App	Event ID	Cnt	Message
03/03/98	04:00				Backup process has completed successfully

Figure 11-4. Administrator's Log

7. Verify that there is an entry with the current date and the following text:
Backup process has been completed successfully.
8. Press **(F6)** (Cancel) until you exit the system.
9. Continue with the next procedure, ["Stopping the Voice System"](#).

Stopping the Voice System

To stop the voice system, do the following:

1. Log on to the INTUITY Interchange as **craft**.
2. Starting at the Lucent INTUITY Administration menu ([Figure 2-1](#)), select

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

The system displays the following:

Wait Time seconds (60-600):

3. Enter the number of seconds until the voice system is to be stopped.
4. Press **(F3)** (Save).

The system waits until all calls in progress disconnect before stopping the voice system and then displays the following message:

```
The Voice System has stopped.
Press "Enter" to continue.
```

5. Press **(ENTER)**.
6. Press **(F6)** (Cancel) until you return to the System Management menu.
7. Continue with the next procedure, "[Removing an Existing Intuity Interchange Application RFU](#)".

Removing an Existing INTUITY Interchange Application RFU

To remove an existing INTUITY Interchange application RFU, do the following:

1. Starting at the System Management menu, select

```
> UNIX Management
>Software Remove
```

The system displays the Software Remove screen ([Figure 11-5](#)).

```
The following packages are available:
 1 EMM-RFU      PT$ EMM platform RFU+B
                   (486) 1.0
 2 INTUNIX     UNIX SUR4.2 Enhancement Set - Update G
                   (486) Rel. 2 of Indep UNIX, USL SUR4.2.3
 3 IUC6DI      Lucent Intuity IUC6 Device Interface for softFAX 2.0
                   (x86sur4_intsl) 2.0.07.32
 4 OSmods      Intuity Operating System Modifications Module
                   (486) 3.0-42e
 5 VMset       Intuity AUDIX software set
                   (486) 3.0-18e
 6 aag         Intuity Interchange AAG Package
                   (486) 1.20
 7 acp         Enhanced Application Compatibility
                   (386) 1
 8 admin       Administration Set
                   (386) 1
 9 adscfix     UNIX SUR4.2 ADSC Driver Patch - Update G
                   (486) Rel. 2 of Indep UNIX, USL SUR4.2.3, ver. 1
10 audfs      AUDIX File system
                   (MFB) R1.1

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

Figure 11-5. Software Remove Screen

2. Locate the existing INTUITY Interchange application RFU (*ichg+X*).
3. Note the number of the RFU located in the first column of the Software Remove screen ([Figure 11-5](#)).
4. If there is no RFU listed, enter **q** to quit and press **F6** (Cancel) until you return to the UNIX Management menu. Continue with the next procedure, [“Installing the Intuity Interchange 5.3 Application Software”](#).
5. Press **CTRL D**.

The system displays the following message:

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

6. Enter the number of the RFU.

The system displays the name and version number for the package selected.

7. Enter **y**



NOTE:

If the system displays any messages warning of dependencies, enter **y** again to continue with the software removal.

8. Once the system has removed the RFU, it will return to the UNIX Management menu.
9. Continue with the next procedure, [“Installing the Intuity Interchange 5.3 Application Software”](#).

Installing the INTUITY Interchange 5.3 Application Software

To install the INTUITY Interchange 5.3 application software, do the following:

1. Starting at the UNIX Management menu, select

```
>Software Install
```

The system displays the Software Install menu ([Figure 11-6](#)).

```
Software Install  
>Floppy drive  
Tape drive
```

Figure 11-6. Software Install Menu

2. Insert the tape labeled "INTUITY Interchange Software Set" into the tape drive.
3. Select `Tape drive`.

The system displays the following message:

```
— Insert a cartridge tape into Tape Drive 1.  
Type [go] when ready  
or [q] to quit: (default: go)
```

4. Press `(ENTER)`.

The system displays the following message:

```
Installation in progress. Do not remove the cartridge  
The following pkgs are available:
```

```
1 (interchg) Intuity Interchange Software Set  
(INTERCHANGE) 5.3.x
```

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

5. Enter `1`

The system displays the following message:

```
Intuity Interchange Software Set  
(INTERCHANGE) 5.3.x  
Using </> as the package base directory
```

Select type of installation:

- 1) All Packages - Installs Software and Initial Database
- 2) Software Only - Installs only the Software
- 3) Interchange Announcement Sets
- 4) Setup Oracle for Interchange
- 5) Custom Installation
- 6) Quit Installation

Select (1-6):

6. Enter **2**

The system displays the following message:

You have selected to install the software packages only.

Do you wish to continue? [y, n, ?,q]

7. Enter **y**

Once the system has completed installing the INTUITY Interchange 5.3 software, it will display the following message:

Processing of <INTUITY Interchange Software Set> is completed.

Insert a cartridge tape into Tape Drive 1.

Type [go] when ready

or [q] to quit: (default: go)

8. Enter **q** to quit.

9. Verify system is 5.3.

10. Remove tape.

11. Reboot the system.

12. Continue with the next procedure, ["Rebooting the Intuity Interchange System"](#).

Rebooting the INTUITY Interchange System

To reboot the INTUITY Interchange system, do the following:

1. Starting at the Customer/Services Administration menu, then go to the System Management menu, select:

```
> System Control
>Shutdown System
```

2. Enter **y**

The system displays the following message:

```
Wait Time seconds (0-60):
```

3. Enter the number of seconds until the system is to be shut down.
4. Press **F3** (Save).

The system displays the following message:

```
Shutdown started.
```

When the system is completely shut down, the system displays the following message:

```
The system is down.
```

```
Press Ctrl-Alt-Del to reboot your computer.
```

5. Turn off the power.
6. After powering down, open the box. Continue with the next procedure, ["Installing the First SSP Card"](#).

Installing the First SSP Card

CAUTION:

Use this procedure when adding an SSP circuit card to a system which is not currently equipped with one. Do not use this procedure when replacing a defective circuit card.

To add an SSP circuit card to a Lucent INTUITY Interchange system, do the following:

1. Make sure you have a TDM bus cable.
The TDM bus cable connects all of the Tip/Ring circuit cards as well as the SSP circuit card.
2. Remove the Tip/Ring circuit card from Slot 1. Refer to the following procedure, [“Removing a Circuit Card”](#).

Removing a Circuit Card

WARNING:

Observe proper electrostatic discharge precautions when you handle computer components. Wear an antistatic wrist strap that touches your bare skin and connect the strap cable to an earth ground. See [“Protecting against Damage from Electrostatic Discharge”](#) in [Chapter 4, “Getting Inside the Computer”](#) in [“INTUITY Interchange Release 5.3 MAP/100P System Maintenance”](#) for detailed electrostatic discharge precautions.

To remove a circuit card, do the following:

1. Verify that the replacement equipment is on site and appears to be in usable condition with no obvious shipping damage.

NOTE:

If the circuit card being replaced is defective, note all symptoms of failure and include this information with the circuit card when it is returned.

2. If the system is in service, perform the following steps.
 - a. Stop the voice system. See [““Stopping the Voice System””](#) in [Chapter 3, “Common System Procedures”](#) in [“INTUITY Interchange Release 5.3 MAP/100P System Maintenance”](#) for voice system administration.
 - b. Shut down the voice system. See [“Shutting Down the System”](#) in [Chapter 3, “Common System Procedures”](#) in [“INTUITY Interchange Release 5.3 MAP/100P System Maintenance”](#) for voice system administration.

3. Remove power from the MAP/100P. See [“Removing Power from the MAP/100P”](#) in [Chapter 3, “Common System Procedures”](#) in [“INTUITY Interchange Release 5.3 MAP/100P System Maintenance”](#) for power removal procedures.
4. Remove the dress cover. See [“Accessing the Circuit Card Cage”](#) in [Chapter 4, “Getting Inside the Computer,”](#) in [“INTUITY Interchange Release 5.3 MAP/100P System Maintenance”](#) for component removal procedures.
5. Locate the card to be replaced within the card cage. Disconnect any attached cables. Note the connectivity of each cable.
6. If there are ribbon cables attached to other cards which would impede the removal of the card, disconnect them and place them to the side. Note the connectivity of each cable.
7. Remove the retaining screw from the circuit card faceplate and save it.
8. Remove the circuit card from the backplane slot by gently pulling on each corner of the card.



NOTE:

The backplane connector slots are labeled 1 through 20. Make sure to install the replacement card in the same backplane slot.

9. Remove the circuit card from the platform chassis.

Verify that the TDM bus terminator SIPs have been installed on the Tip/Ring circuit card. Refer to the following procedure, [“Replacing a Terminator SIP”](#).

Completing Installation of the First SSP Card

1. Remove the remaining Tip/Ring circuit cards. Refer to the procedure, [“Removing a Circuit Card”](#), above.
2. Remove the TDM bus terminator SIPs from the Tip/Ring circuit cards. Refer to the procedure, [“Replacing a Terminator SIP”](#).

Replacing a Terminator SIP

If the circuit card is the last circuit card connected to either end of the TDM bus, you must ensure that the TDM bus terminator single in-line packages (SIPs) are in place on the circuit card. If the circuit card is not the last circuit card on the bus, you must remove the SIPs.



NOTE:

“Last circuit card connected” means that there are no other cards between the circuit card and the end of the bus. There may, however, be empty connectors.

To replace a terminator SIP, do the following:

- a. Align the terminator SIP with the SIP socket on the circuit card ([Figure 11-7](#)).

There are markings on both the terminator SIP and the circuit card which should be used to align the terminator SIP.

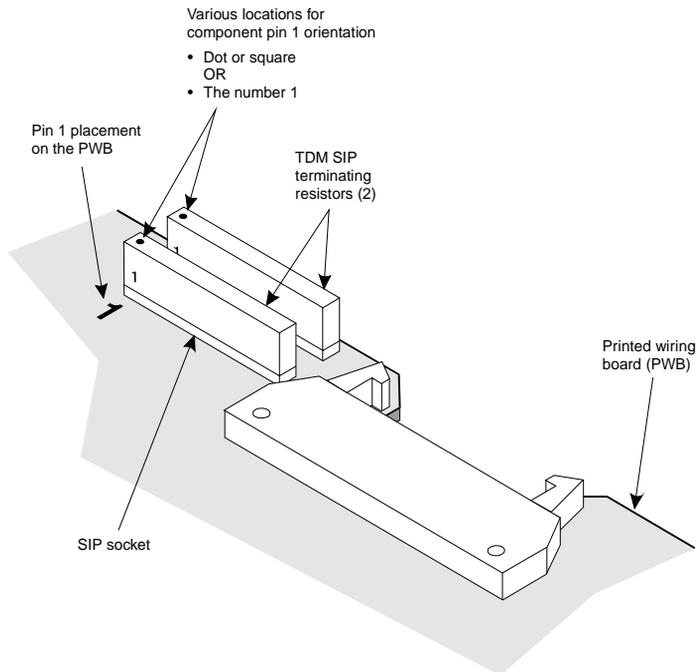


Figure 11-7. Replacing Terminator SIPs on the TDM Bus

- b. Insert the terminator SIP. The procedure is completed.
3. Replace the Tip/Ring circuit card in Slot 1. Refer to the following procedure, [“Completing Installation of the First SSP Card”](#).
4. Replace the remaining Tip/Ring circuit cards. Refer to the procedure, [“Completing Installation of the First SSP Card”](#).

Installing a Circuit Card

WARNING:

Observe proper electrostatic discharge precautions when you handle computer components. Wear an antistatic wrist strap that touches your bare skin and connect the strap cable to an earth ground. See [“Protecting against Damage from Electrostatic Discharge”](#) in Chapter 4, [“Getting Inside the Computer,”](#) in [“INTUITY Interchange Release 5.3 MAP/100P System Maintenance”](#) for detailed electrostatic discharge precautions.

To install a circuit card, do the following:

- a. Remove the new circuit card from its ESD protective wrapping.

NOTE:

Keep the package and all ESD protective wrapping. If you must return a card for repair, re-use of the replacement unit packaging is necessary to meet the manufacturer’s warranty.

- b. Verify the circuit card switch and jumper settings. Ensure address switches and jumpers are set to match the old card.

NOTE:

See the specific instructions, listed later in this chapter, for each type of circuit card being installed then continue with step 3.

- c. Holding the circuit card by its upper corners, slide the card into the backplane connector slot position from which you removed the damaged card. If necessary, refer to [Appendix A, “System Configuration”](#) in [“INTUITY Interchange Release 5.3 MAP/100P System Maintenance”](#) to determine the correct slot in which to place the card.
- d. Apply even pressure to both corners of the circuit card until it is locked into the backplane.
- e. Secure the circuit card faceplate into position by replacing the retaining screw.
- f. Replace all cables on the new card. Make sure these cables are attached to their proper terminations.
- g. Replace all cables removed from other cards. Make sure these cables are attached to their proper terminations.
- h. Replace the dress cover. See [“Replacing the Side Dress Cover”](#), in Chapter 4, [“Getting Inside the Computer,”](#) in [“INTUITY Interchange Release 5.3 MAP/100P System Maintenance”](#) for component replacement procedures.

- i. Apply power to the unit. See [“Restoring Power to the MAP/100P”](#) in [Chapter 4, “Getting Inside the Computer,”](#) in [“INTUITY Interchange Release 5.3 MAP/100P System Maintenance”](#) for instructions on restoring power.
- j. Reboot the voice system. See [“Shutting Down and Rebooting the Lucent Intuity System”](#) in [Chapter 3, “Common System Procedures”](#) in [“INTUITY Interchange Release 5.3 MAP/100P System Maintenance”](#) for the procedure.
- k. Verify the installation of the circuit card by doing the following:



NOTE:

This procedure will only verify the installation of Tip/Ring and ACCX circuit cards.

- 1. Start at the Lucent™ INTUITY™ Main menu ([Figure 11-8](#)).

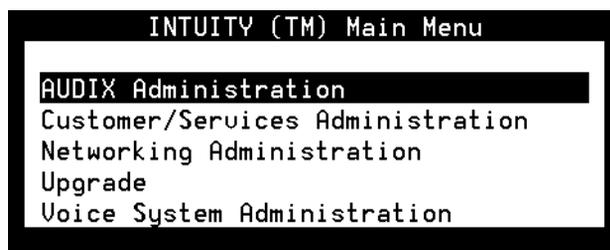
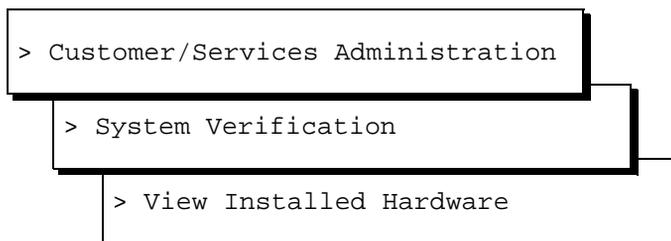


Figure 11-8. Lucent INTUITY Main Menu

- 2. Select



The system displays the View Installed Hardware window ([Figure 11-9](#)).

```
View Installed Hardware
Installed Hardware of mtce

2047 megabyte Hard Drive Installed at SCSI id 0
47 megabytes of memory installed.

Installed Hardware of netw

Networking Board      Equipped      Version Number
1                      no            N/A
2                      no            N/A
3                      no            N/A
```

Figure 11-9. View Installed Hardware Window

3. Verify that the system has identified the new circuit card.
 - i. Verify that the two-position selector switches, on the SSP circuit card, are set as shown in ["Rotary Switch and Two-Position Switch Settings"](#).

Rotary Switch and Two-Position Switch Settings

On the first SSP card, set the rotary switch to 0. See [Figure 11-10](#). (The second card must be set to 1.)

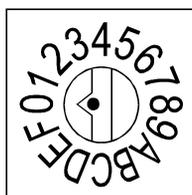
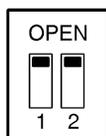


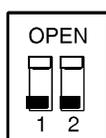
Figure 11-10. First SSP Circuit Card Rotary Switch

[Figure 11-11](#) and [Figure 11-12](#) show the location of the SSP circuit card two-position switches. If the SSP circuit card is not located at the end of the TDM bus, both switches should be set to open. The switches should be set to closed if the SSP circuit card is located at the end of the bus.



ssp-sw LJK 072296

Figure 11-11. SSP Circuit Card Two-Position Switches in Open Position



ssp-sw LJK 072296

Figure 11-12. SSP Circuit Card Two-Position Switches in Closed Position

5. Install the SSP circuit card in Slot 12. Refer to the procedure, [“Completing Installation of the First SSP Card”](#), above.
6. Install the TDM bus cable.
7. Attach the TDM bus cable to the SSP circuit card or AYC30 Tip/Ring circuit cards using the TDM bus A termination. Refer to [Figure 11-13](#) and [Figure 11-14](#).

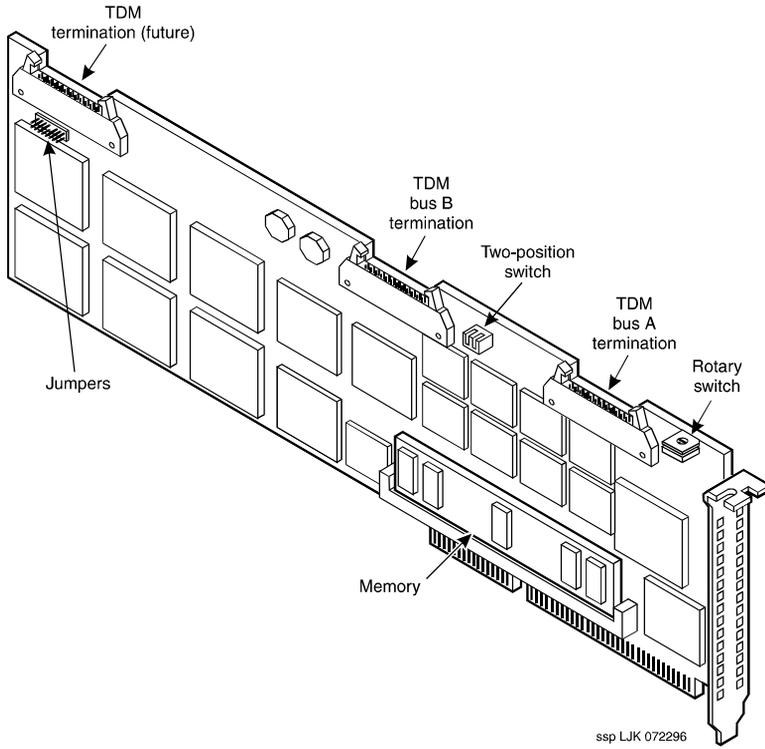


Figure 11-13. Speech and Signal Processor Circuit Card

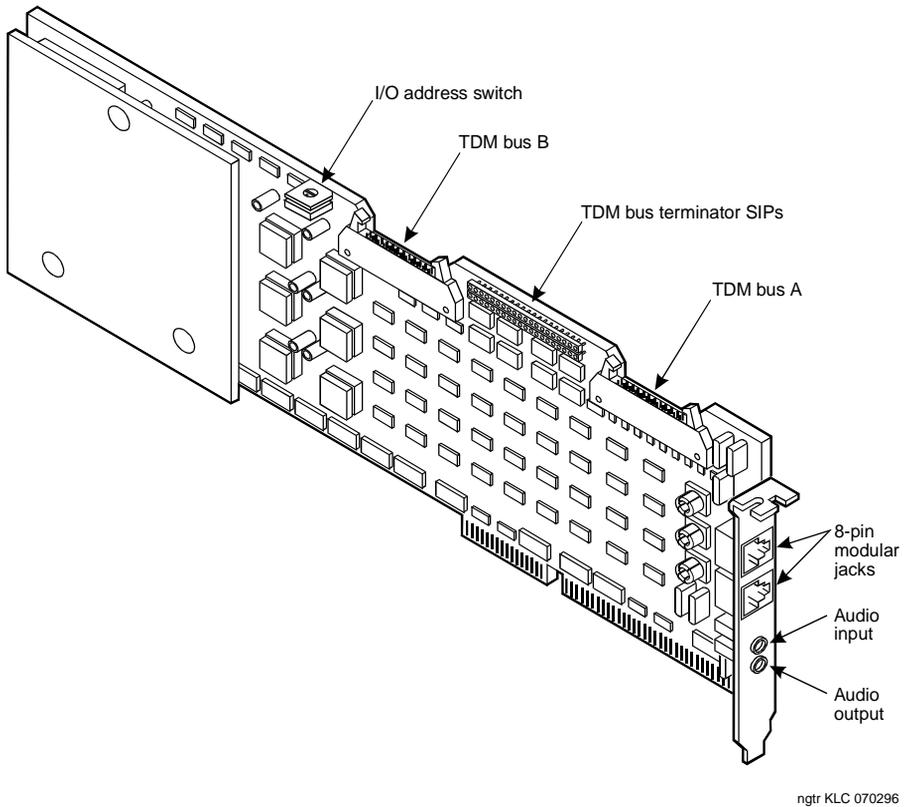


Figure 11-14. AYC30 Tip/Ring Circuit Card

8. Attach the TDM bus cable to AYC10 Tip/Ring circuit cards using the only TDM bus termination point. Refer to [Figure 11-15](#).

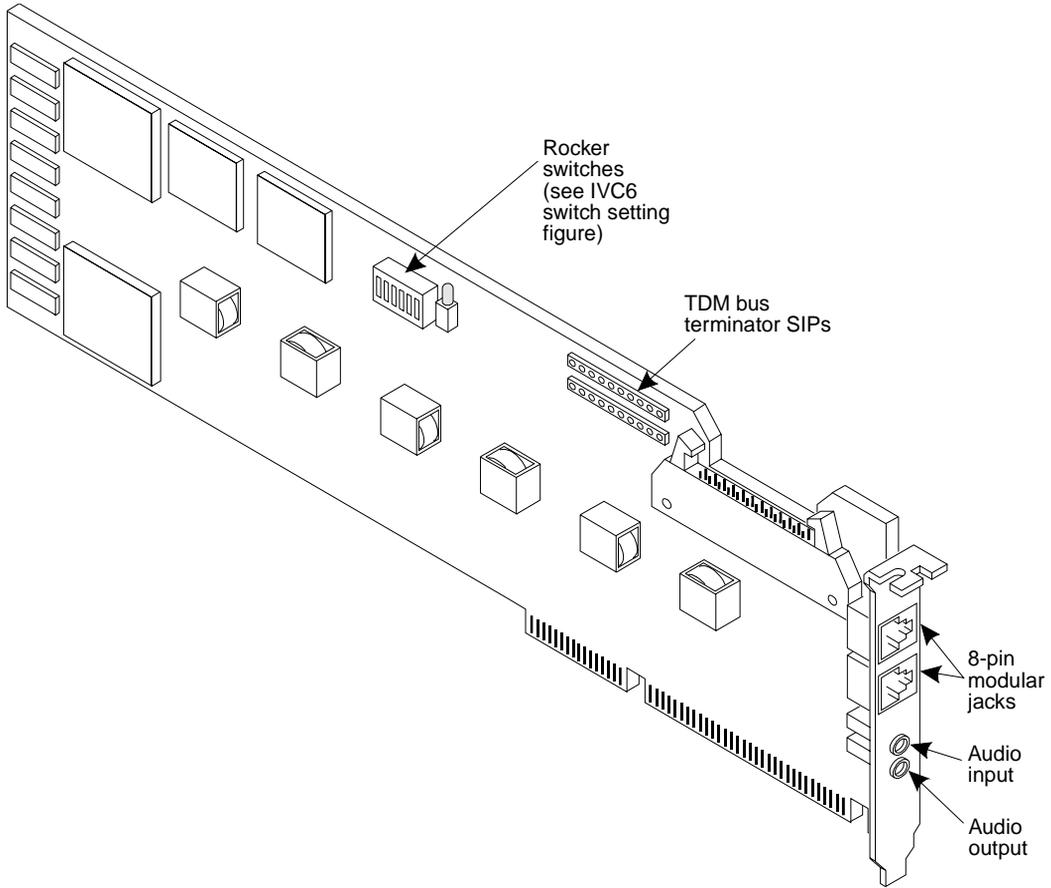


Figure 11-15. AYC10 Tip/Ring Circuit Card

Installing the Second SSP Card

1. On the second SSP card, set the rotary switch to 1. (For the first SSP card, this setting was zero.) Refer to [Figure 11-16](#) to see the rotary switch.

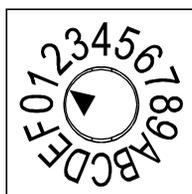


Figure 11-16. Second SSP Circuit Card Rotary Switch

2. Set both switches of the two-position switch to OPEN. (For the first SSP card, this setting was set to CLOSED for both switches.)
3. Install the SSP card.
4. Connect the TDM bus cable to the second SSP card on the TDM Bus A termination (like the first SSP card).
5. Turn on the power.

The system performs a power-on self test (POST). The screen lists various hardware components and the status of the tests performed on those components.

⇒ NOTE:

The system will display the following message during the reboot:

```
The UNIX operating system kernel will now be  
rebuilt to incorporate recent configuration  
changes.
```

```
Strike ENTER when ready or Esc to stop.
```

You do *not* have to take action to continue the shutdown.

Once the shutdown has been completed, the system displays the following prompt:

```
Startup of the Voice System is complete.  
Console Login:
```

⇒ NOTE:

The voice system will automatically be restarted. Do *not* continue with the next procedure until the voice system has been restarted.

6. Verify that the INTUITY Interchange Release 5.3 software update was successful. See Chapter 11, Verifying an INTUITY Interchange Release 5.3 Software Update.
7. Continue with the next procedure, "[Creating a New File System](#)".

Creating a New File System

To create a new file system, as required for Release 5.3, do the following:

1. Press **F6** until you return to the logon prompt.
2. Remove the INTUITY Interchange Software Set tape from the tape drive.
3. Insert a "scratch" tape (a tape to be used as a scratch pad during the upgrade process) into the tape drive.



NOTE:

The size of the "scratch" tape will depend on the amount of data in the directory.

4. Stop the Voice System. See "[Stopping the Voice System](#)".
5. Log on to the INTUITY system as **tsc**.
6. Enter the following at the UNIX command line prompt to change the directory:

```
cd /ichg/bin <Enter>
```

7. Enter the following at the command line prompt if the system is a MAP/100P:

```
upgrade_100pfs
```

Enter the following at the command line prompt if the system is a MAP/5P:

```
upgrade_5pfs
```

The system displays the following message:

```
File system Pre-config is a lengthy process. It could take more than an
hour to complete. Have you inserted a scratch tape inside the tape drive
(Yes/No).
```

8. Enter **y**.

```
INTUITY Interchange now creates the new file system required for release
5.3. The process ends with the following message displayed:
```

```
Created file system.
```

```
Mounted fs.
```

9. Continue with the next procedure, "[Rebooting the Intuity Interchange System](#)".

Verifying an INTUITY Interchange Release 5.3 Software Update

12

What's in This Chapter?

This chapter contains information for verifying the software update for a Lucent INTUITY™ Interchange Release 5.3 system.

INTUITY Interchange Release 5.3 Software Update Verification

To verify the updated software installation of the INTUITY Interchange, do the following:

1. Log into the INTUITY Interchange system as **tsc**.
2. Enter the following at the UNIX command line prompt to print a list of packages installed:

```
pkginfo | awk '{print $2}' | pr -6 -t
```

3. Locate the following packages in the list:
 - INTUITY AUDIX Application Software
 - netw
 - platupg
 - sdialer
 - tcpadm
 - upgrade
 - Oracle Software
 - ORA7base
 - ORA7INT

■ INTUITY Interchange Application Software

aag
adg
ichg
ic_us-eng
icdfitdb
icdfitdbs (MAP/5P only)
ichgftp
ichgsnmp
ichgupgr
icswrule
jamrt
mmd
mmdfiftdb
octelnet
raduti
sce
sdg
setupora

■ INTUITY Interchange Switch Software

dciutism
or
slibtism
or
vbptctism

4. Press (F6) (Cancel) until you return to the Customer/Services Administration menu.
5. Continue with the next procedure, [“Verifying Feature Options”](#).

Verifying Feature Options

The feature options configuration for the new INTUITY Interchange Release 5.3 system should be all INTUITY Interchange 5.2 feature options, as well as any new features purchased.



NOTE:

Only certified Lucent personnel can change options in this window, but it can be displayed for informational purposes. If new feature options were purchased, but are not displayed correctly on the Feature Options window ([Figure 12-1](#)), contact enhanced services.

To verify feature options, do the following:

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

2. Start at the Customer/Services Administration menu, and select

```
> Customer/Services Administration
> Feature Options
```

The system displays the Feature Options (Read Only) window ([Figure 12-1](#)).

Feature Options (Read Only)		
Feature Option	Current	Maximum
Aria Digital Ports	8	8
Call Detail Recording (CDR)	ON	N/A
Enterprise Lists Administration	ON	N/A
High speed digital ports	6	12
Low speed digital ports	6	12
Max Number of OctelNet Nodes	10	50
Maximum Number of AMIS Nodes	10	50
Maximum Number of Digital Nodes	10	50
SCSI Disk Mirroring	OFF	N/A
SNMP	OFF	N/A
Serenade Digital Ports	8	8
TCP/IP Administration	ON	N/A
TCP/IP digital ports	6	12
Text-to-Speech Sessions	10	30
hours of speech	185	251
voice ports	6	6

Figure 12-1. Feature Options (Read Only) Window

[Table 12-1](#) describes the feature options in this window that apply to the INTUITY Interchange Release 5.3 system.

Table 12-1. Feature Option (Read Only) Window Field Descriptions

Feature Option	Current	Maximum	
		MAP/5P	MAP/100P
Aria Digital Ports	Number of Aria Digital ports on the INTUITY Interchange	8	16
Call Detail Recording (CDR)	ON or OFF; indicates whether CDR has been purchased	N/A	N/A
Enterprise Lists Administration	ON or OFF; indicates whether Enterprise Lists was purchased	N/A	N/A
High speed digital ports	Number of high speed INTUITY AUDIX® digital networking (DCP) ports	4	12
Low speed digital ports	Number of low speed INTUITY AUDIX® digital networking (DCP) ports	4	12
Maximum Number of OctelNet Nodes	Number of remote OctelNet analog machines connected to the INTUITY Interchange	50	500
Maximum Number of AMIS Nodes	Number of remote AMIS analog machines connected to the INTUITY Interchange	50	500
Maximum Number of Digital Nodes	Number of remote digital machines connected to this INTUITY Interchange	50	500

Table 12-1. Feature Option (Read Only) Window Field Descriptions

Feature Option	Current	Maximum	
		MAP/5P	MAP/100P
SCSI Disk Mirroring	ON for MAP/100P systems OFF for MAP/5P systems	N/A	N/A
SNMP	ON or OFF; indicates whether SNMP was purchased	N/A	N/A
Serenade Digital Ports	Number of Serenade Digital ports on the INTUITY Interchange	8	16
TCP/IP Administration	ON or OFF; indicates whether TCP/IP was purchased	N/A	N/A
TCP/IP digital ports	Number of digital ports purchased	8	12
Text-to-Speech Sessions	Number of text-to-speech sessions purchased	N/A	N/A
hours_of_speech	Number of hours of speech on the INTUITY Interchange system's hard disks	262	430
voice_ports	Number of analog ports on the INTUITY Interchange.	12	30

(2 of 2)

- Press **F6** (Cancel) until you return to the Lucent INTUITY Administration menu ([Figure 2-1](#)).

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