Lucent Technologies
Bell Labs Innovations

INTUITY™

Interchange Installation

Contents

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About This Document

Purpose

This book, *Lucent INTUITY Interchange Installation*, 585-310-608, contains instructions for installing the Lucent INTUITY™ Interchange system. The book only contains the information that is specific to installation for INTUITY Interchange systems. Refer to *Lucent INTUITY™ MAP/100 Hardware Installation*, 585-310-139, and *Lucent INTUITY™ Software Installation for Release 3.0*, 585-310-160, for additional information.

Intended Audiences

This book is intended primarily for the personnel responsible for configuration and installation of the INTUITY Interchange systems.

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

- The words "subscriber" and "user" are interchangeable terms that describe a person administered on the Lucent INTUITY system. The word "user" is the preferred term in the text; however, "subscriber" appears on most of the screens.
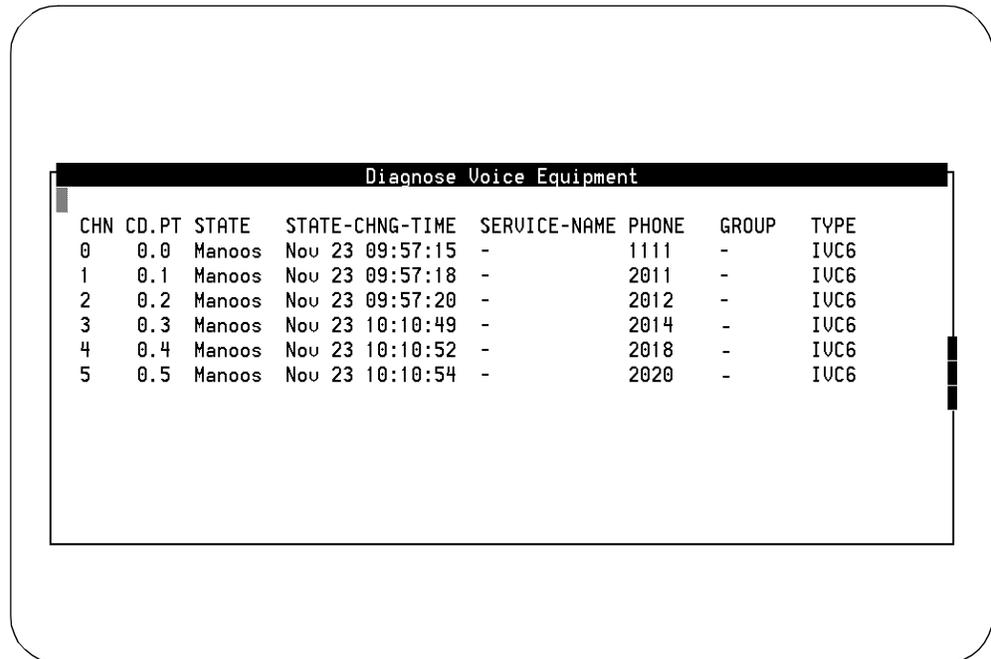
```
                          Diagnose Voice Equipment
CHN CD.PT STATE    STATE-CHNG-TIME  SERVICE-NAME PHONE    GROUP   TYPE
0    0.0  Manoos  Nov 23 09:57:15  -            1111     -       IVC6
1    0.1  Manoos  Nov 23 09:57:18  -            2011     -       IVC6
2    0.2  Manoos  Nov 23 09:57:20  -            2012     -       IVC6
3    0.3  Manoos  Nov 23 10:10:49  -            2014     -       IVC6
4    0.4  Manoos  Nov 23 10:10:52  -            2018     -       IVC6
5    0.5  Manoos  Nov 23 10:10:54  -            2020     -       IVC6
```

Figure 1. Example of a Lucent INTUITY Window
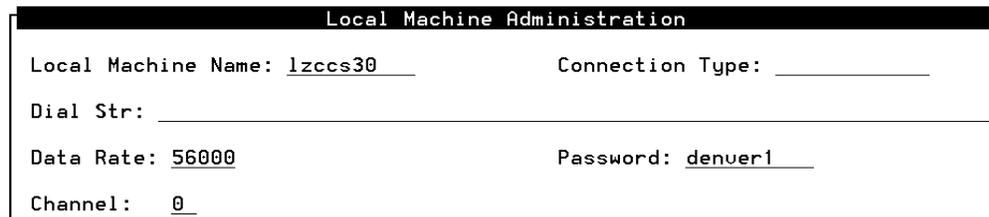
```
                    Local Machine Administration
Local Machine Name: lzccs30        Connection Type: _____

Dial Str: _____

Data Rate: 56000                   Password: denver1

Channel:    0
```

Figure 2. Example of a Lucent INTUITY Window

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

Machine Name: cbueitt      Type: local          Location: local

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

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



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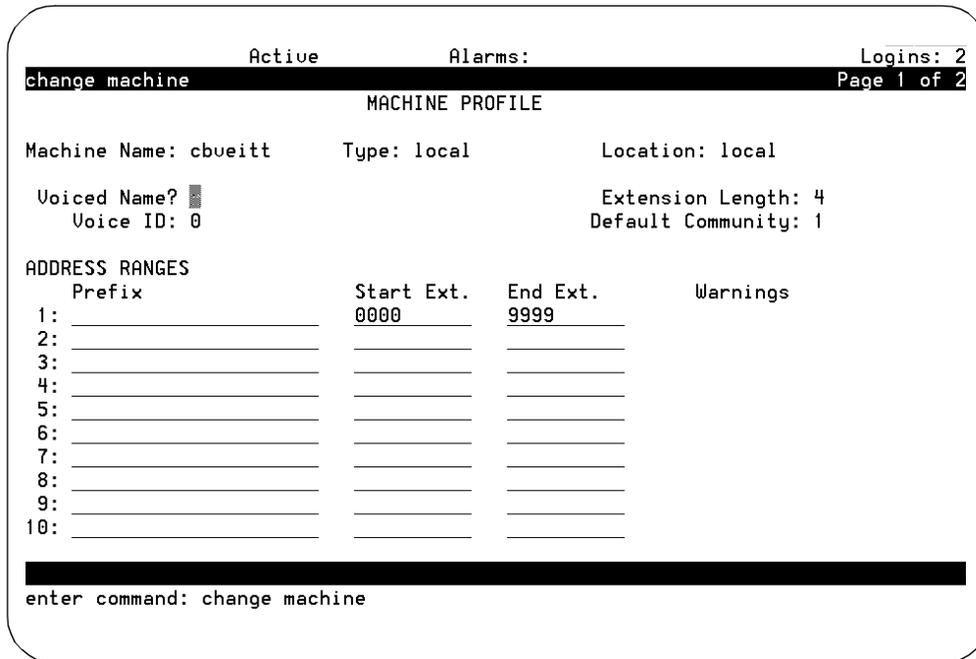
Figure 3.   Example of a Lucent INTUITY Screen

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

Figure 4.   Example of a Lucent INTUITY Menu

Terminal Keys

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

    Press ⌈ENTER⌉.

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

    Press ⌈ALT⌉ ⌈D⌉.

- Function keys on your terminal, PC, or system screens, also known as *soft keys*, are represented as 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:

```
> Customer/Services Administration
```

```
> Alarm Management
```

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

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

Other Typography

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

Example 1:

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

Example 2:

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

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

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

Safety and Security Alert Labels

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

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

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

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

Related Resources

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

Documentation

➡ **NOTE:**
The *Lucent INTUITY Documentation Guide*, 585-310-540, contains a detailed description of all books included in the Release 3.0 Lucent INTUITY documentation library. Always refer to 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 installation book:

- *Lucent INTUITY MAP/100 Hardware Installation*, 585-310-139, for detailed information on installing hardware on the MAP/100

- *Lucent INTUITY Software Installation for Release 3.0*, 585-310-160, for detailed information on installing software for Release 3.0

- *Lucent INTUITY Interchange Administration*, 585-310-573, for detailed administration procedures for INTUITY Interchange systems

- *Lucent INTUITY Interchange Maintenance*, 585-310-574, for detailed maintenance procedures and troubleshooting information specific for INTUITY Interchange systems

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

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

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

Training

The following training class is recommended as a prerequisite to installing a Release 3.0 Lucent INTUITY system:

- Course No. MO1616A, INTUITY Messaging Solutions Installation and Maintenance

The following diskette accompanies the INTUITY Interchange documentation:

- Course No. MC9615C, INTUITY AUDIX High Capacity Option and INTUITY Interchange

For more 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

Trademarks and Service Marks

The following trademarked products are mentioned in this book:

- AUDIX is a registered trademark of Lucent Technologies.

- INTUITY is a trademark of Lucent Technologies.

- BayStack is a trademark of Bay Networks, Inc.

- MAX is a trademark of Ascend Communications, Inc.

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

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

INTUITY Interchange Installation Checklist

1

What's in This Chapter?

This chapter contains the supported installation checklist for installing a Lucent INTUITY™ Interchange system.

INTUITY Interchange Installation Checklist

This checklist provides a description of the required procedures numbered in the sequence that the items must be completed. A "Book — Chapter — Procedure" column refers to appropriate book, chapter number and procedure title that applies to the procedure and installation you are completing. The "Professional Services" and "Installer" columns specify which personnel must perform the procedure. A checkmark (√) in one of these columns indicates who is responsible for each procedure during the upgrade.

The installer and the organization responsible for administration (Professional Services) *must* use the checklist provided to ensure that the required procedures are completed in the proper sequence.

➡ **NOTE:**
Table 1-1 provides a high-level view of the procedures involved in installing an INTUITY Interchange system. Refer to the specific procedures noted in the checklist for complete instructions.

Table 1-1. INTUITY **Interchange System Checklist**

Task	Task Description	Reference	To be performed by:	
			Professional Services	**Installer**
1.	Install the Multi-Application Platform model 100 (MAP/100) as the INTUITY Interchange.	*Lucent INTUITY MAP/100 Hardware Installation*, 585-310-139 and *Lucent INTUITY Interchange Installation*, 585-310-608		√
2.	Verify that digital and AMIS lines to connect to the INTUITY Interchange are obtained.	From Design Center specifications		√
3.	Verify that you have IP addresses for the INTUITY Interchange and BayStack Ethernet Workgroup Switch.	From Design Center specifications		√
4.	Verify that you have IP addresses for the INTUITY Interchange, BayStack Ethernet Workgroup Switch, and all remote machines.	From Design Center specifications	√	
5.	Install the BayStack Ethernet Workgroup Switch.	*Using the BayStack™ Ethernet Workgroup Switch* (Document accompanies hardware.)		√
6.	Connect the INTUITY Interchange system to the BayStack switch.	*Lucent INTUITY Interchange Installation*, 585-310-608, Chapter 2, "Getting Started"		√

Table 1-1. INTUITY **Interchange System Checklist —** *Continued*

Task	Task Description	Reference	To be performed by:	
			Professional Services	Installer
7.	Install the Ascend MAX 200 Plus.	*Ascend MAX 200 Plus Getting Started*, Chapter 2, "Installing the Hardware" (Document accompanies hardware)		√
8.	Verify the installation of the two PCM modems in the Ascend unit.	*Ascend MAX 200 Plus Getting Started*, Chapter 2, "Installing the Hardware" (Document accompanies hardware)		√
9.	Contact Professional Services at (800) 776-2323 to secure the passwords for the Ascend unit.	N/A		√
10.	Note: Do not perform this step until Professional Services is prepared to administer the PPP server data. Connect the direct inward dialing (DID) lines to the PCM modems as detailed by Design Center specifications.	N/A		√
11.	Connect the Ascend unit to the BayStack switch.	*Lucent* INTUITY *Interchange Installation*, 585-310-608, Chapter 2, "Getting Started"		√
12.	Connect the INTUITY Interchange to the switch.	*Lucent* INTUITY *Interchange Installation*, 585-310-608, Chapter 2, "Getting Started"		

Continued on next page

Table 1-1. INTUITY **Interchange System Checklist —** *Continued*

Task	Task Description	Reference	To be performed by:	
			Professional Services	**Installer**
13.	Verify the INTUITY Interchange software installation.	*Lucent INTUITY Interchange Installation,* 585-310-608, Chapter 4, "Verifying System Installation"		√
14.	Administer and test initial platform for INTUITY Interchange.	*Lucent INTUITY Software Installation for Release 3.0*, 585-310-160, Chapter 3, "Initial Platform Administration and Test"		√
15.	Administer and test TCP/IP digital networking on the INTUITY Interchange.	*Lucent INTUITY Software Installation for Release 3.0*, 585-310-160, Chapter 5 – "INTUITY Optional Feature and Application Administration and Test"		√
16.	Administer and test disk mirroring.	*Lucent INTUITY Software Installation for Release 3.0*, 585-310-160, Chapter 5 – "INTUITY Optional Feature and Application Administration and Test"		√
17.	Perform administration on the INTUITY Interchange and remote machines.	*Lucent INTUITY Interchange Administration*, 585-310-5732, "INTUITY Interchange Administration Checklists"	√	

Getting Started

2

What's in This Chapter?

This chapter describes to the prerequisites to Lucent INTUITY™ Interchange installation. The purpose of this chapter is to ensure that the customer site meets the requirements for installation of the Interchange systems.

Cluster Configuration

The following describes the INTUITY Interchange cluster configuration:

- A Multi-Application Platform 100 (MAP/100) with Interchange software installed

- BayStack Ethernet Workgroup Switch [dedicated local area network (LAN) segment with a switched Ethernet hub]

- ASCEND MAX 200 Plus [a point to point protocol (PPP) server] for installation and maintenance dial-up connection to the LAN network

- 2 to 500 remote (end point) machines that support AUDIX digital networking (AUDIX R1, DEFINITY AUDIX, Intuity) or AMIS analog networking

Figure 2-1 shows the architecture for the INTUITY Interchange.

NOTE:
A second INTUITY Interchange can be added to the first to extend the cluster.
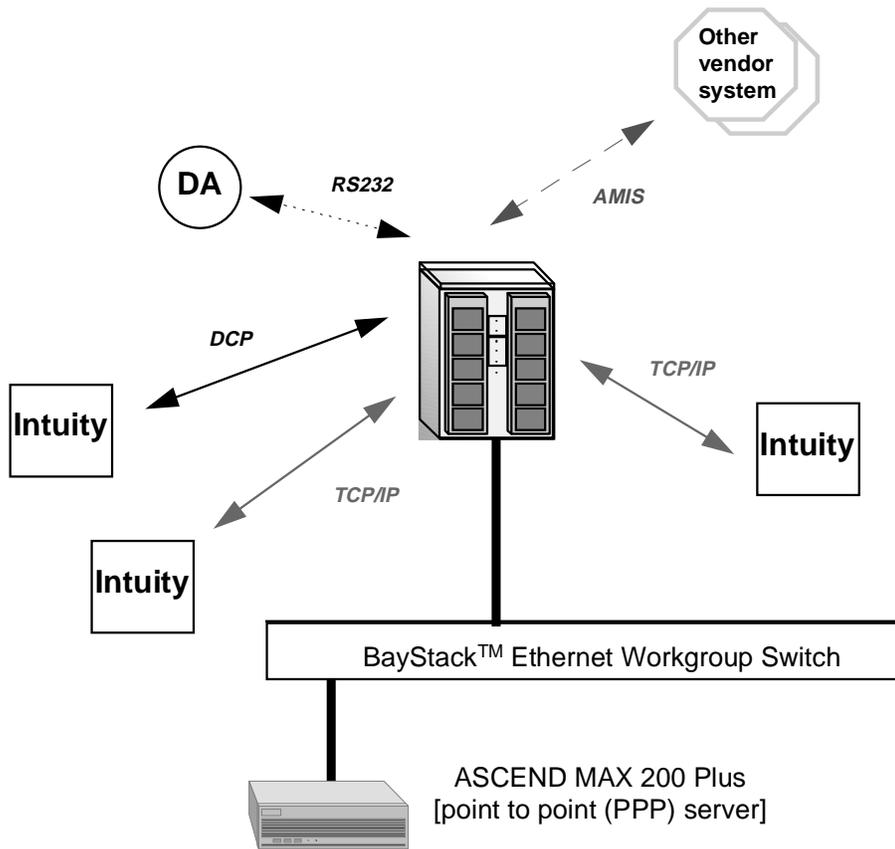
Figure 2-1. INTUITY **Interchange Cluster Configuration**

Interchange System Requirements

The following describes the INTUITY Interchange hardware and software requirements. Interchange systems follow assemble, load, and test procedures prior to shipment to the installation site.

- Hardware requirements —

    — A MAP/100 with six hard disk drives using disk mirroring and at least two IVC6 circuit cards

    — BayStack Ethernet Workgroup Switch (Figure 2-2) — a dedicated LAN segment with a switched Ethernet hub)

    — MAX 200 Plus (Figure 2-3) — a point to point protocol (PPP) server for remote maintenance support

- Software requirements

    — UNIX SVR4.2

    — A subset of AUDIX Voice Messaging Release 3.3 software modules

    — Interchange remote field update (RFU+A)

    — Oracle 7.0.16 (unique for the Interchange)

    — Interchange Application software which includes the optional AMIS Analog Gateway module

Front view
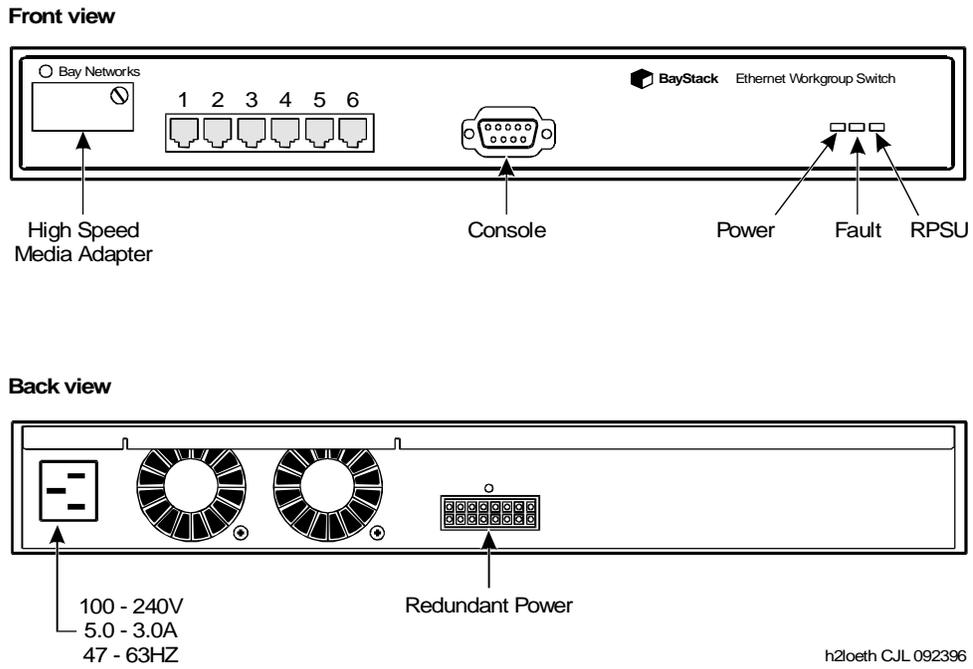
Back view

Figure 2-2.   BayStack Ethernet Group Switch – Front and Back View

Front view
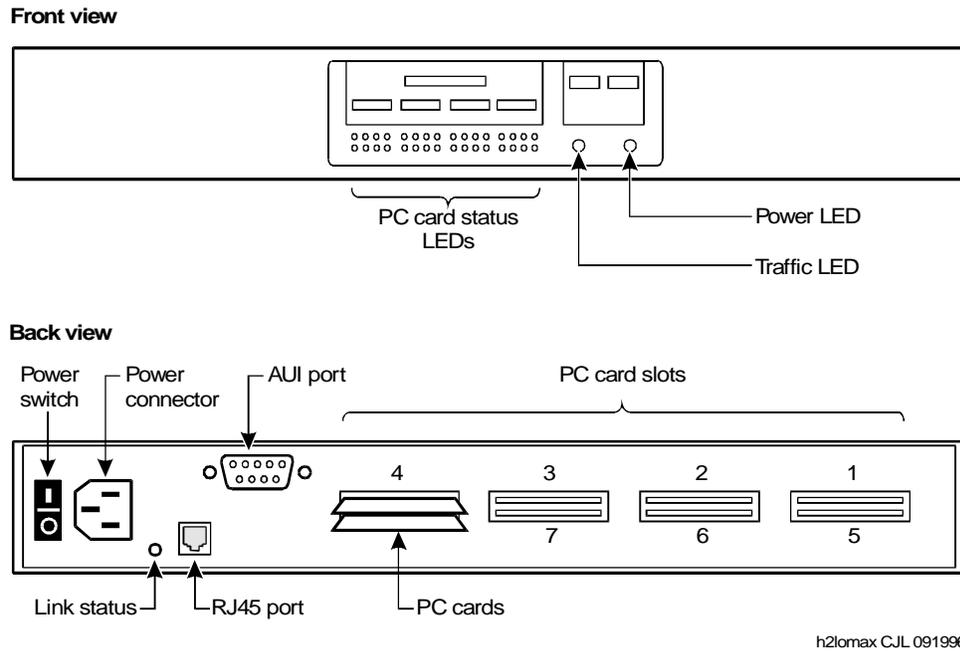
Back view

Figure 2-3. Ascend MAX 200 Plus Unit — Front and Back View

Prerequisites to Interchange Installation

This section describes the prerequisites to installation of an INTUITY Interchange system.

Installed Systems

The following installation should have occurred.

- The system targeted as the Interchange must have Interchange software installed. This software should have been assemble, load and tested prior to shipment of the MAP/100 platform. Refer to *Lucent INTUITY MAP/100 Hardware Installation*, 585-310-139, *Lucent INTUITY Software Installation for Release 3.0*, 585-310-160, and *Lucent INTUITY Installation Checklists*, 585-310-161, for complete information about hardware and software installation of the MAP/100.

  Refer to Chapter 3, "Installing Interchange Software," if software installation has not been performed. Refer to Chapter 4, "Verifying Software Installation," to verify software installation for Interchange and related packages.

- A Bay Networks BayStack Ethernet Workgroup Switch installed. Refer to *Using the BayStack Ethernet Workgroup Switch book* that accompanied the BayStack hardware for information on installation.

  Table 2-1 shows the BayStack configuration and the port assignments for an INTUITY Interchange. Use this table when making connections.

  ➡ **NOTE:**
  The remaining connections are reserved for multiple Interchange connections, if necessary.

Table 2-1. BayStack Port Configuration

BayStack Unit #	Connection	Port Assignment on BayStack Unit
1	INTUITY Interchange	Port 1
	Ascend MAX 200 (PPP server)	Port 5
	Customer's wide area network (WAN)/local area network (LAN)	Port 6

■ An Ascend MAX 200 Plus installed and connected to the BayStack switch. Refer to Chapter 2, "Installing the Hardware," of *ASCEND MAX 200 Plus Getting Started* that accompanied the ASCEND hardware for hardware installation instructions.

> **NOTE:**
> Administration on the MAX 200 Plus is performed remotely. Contact Professional Services at (800) 776-2323 when hardware installation and connection to the INTUITY Interchange through the BayStack unit is complete to secure system passwords.

> **NOTE:**
> The Ascend MAX 200 Plus is used for remote access by maintenance personnel only.

Documentation

Use the following documentation during INTUITY Interchange installation:

■ *Lucent INTUITY™ MAP/100 Hardware Installation*, 585-310-139

■ *Lucent INTUITY Software Installation for Release 3.0*, 585-310-160

■ *Lucent INTUITY Installation Checklists*, 585-310-161

■ *Using the BayStack Ethernet Workgroup Switch* (accompanies BayStack hardware)

■ *Ascend MAX 200 Plus Getting Started* (accompanies Ascend hardware)

Making Switch Connections

The INTUITY Interchange connects to the switch (Lucent and non-Lucent switches) via the analog lines from the switch to the IVC6 circuit cards in the MAP/100 platform. Refer to Chapter 1, "Preparing the Site," of *Lucent INTUITY MAP/100 Hardware Installation*, 585-310-139, for connection information.

Upgrading Interchange Software

3

What's in This Chapter?

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

⇒ NOTE:

Software installation for Interchange should have been performed prior to Multi-Application Platform model 100 (MAP/100) before it was shipped from the factory. If so, skip these procedures and go to Chapter 4.

This chapter only describes the additional software installation required customize this system as an Interchange or to perform an upgrade of software in the field.

⇒ NOTE:

The INTUITY Interchange must have UNIX 4.2 and INTUITY Release 3.0 and its associated packages installed before proceeding. Refer to *INTUITY Software Installation for Release 3.0*, 585-310-160, for complete procedures.

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

- Installing the Interchange remote field update (RFU)

- Installing the Interchange-specific ORACLE database

- Installing the INTUITY Interchange software

Installing the Interchange RFU

When upgrading you must first remove the existing RFU, then install the new RFU.

Removing an Existing RFU

To remove an existing RFU, do the following:

1. Log on to the INTUITY Interchange as craft.

2. Start at the Lucent INTUITY Administration menu (Figure 3-1).

```
     INTUITY (TM) Administration
>Customer/Services Administration
 Interchange Administration
 Networking Administration
 Upgrade
 Voice System Administration
```

Figure 3-1.   Lucent INTUITY Administration Menu

3. Select

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

4. Enter **y** to confirm that you wish to stop the voice system.

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

   ```
   The Voice System has stopped.
   ```

5. Press ENTER to continue.

6. Select

```
> Customer/Services Administration
```

```
  > System Management
```

```
    > UNIX Management
```

```
      >Software Remove
```

The system displays the Software Remove screen which lists the software installed on the system.

7. Locate the existing Interchange RFUs (interchgrfu).

8. Note the number of the RFU given in the first column of the Software Remove screen.

   If there is no RFU listed, enter **q** to quit and see ''Installing a New RFU'' to install the new RFU.

9. Press (CONTROL) (D).

   The system displays the following message:

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

10. Enter the number of the RFU package.

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

11. Enter **y**

    The system removes the existing RFU.

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

12. Press (ENTER).

13. Continue with the next procedure, "Installing a New RFU."

Installing a New RFU

To install the new Interchange RFU, do the following:

1. Start at the Lucent INTUITY Administration menu and select

```
> Customer/Services Administration
      > System Management
          > UNIX Management
              > Software Install
```

The system displays the Software Install menu (Figure 3-2).

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

Figure 3-2.   Software Install Menu

2. Insert the tape labeled "Remote Field Update A for INTERCHANGE 3.0-IP41-A."

3. Select `Tape drive`.

   The system responds:

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

4. Press ENTER.

The system responds:

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

The following pkgs are available:

1    interchgrfu   Remote Field Update X for INTERCHANGE
                   3.0-IP41-X
                   (486) 3.0-41


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

5. Press ENTER.

The system responds:

```
Processing of <Remote Field Update X for INTERCHANGE
3.0-IP41-X> 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 *X* for INTERCHANGE 3.0-IP41-*X*" from the tape drive.

8. Continue with the next procedure "Installing the ORACLE Software."

Installing the ORACLE Software

To install the ORACLE software, do the following:

1. Start at the Lucent INTUITY Administration menu (Figure 3-1) and select

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

2. Enter **y** to confirm that you wish to stop the voice system.

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

    ```
    The Voice System has stopped.
    ```

3. Press (ENTER) to continue.

4. Start at the Lucent INTUITY Administration menu (Figure 3-1) and select

```
> Customer/Services Administration
    > System Management
        > UNIX Management
            > Software Install
```

The system displays the Software Install menu (Figure 3-2).

5. Insert the tape labeled "ORACLE DBMS 7.0.16" into the tape drive.

6. 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)
    ```

7. Press ENTER.

   The system displays the following message:

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

   The following pkgs are available:

   1    oracle   Oracle DMBS 7.0.16
                  (486) 1.0-1
   2    setupora Oracle Setup
                  (486) 1.0-1

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

8. Enter **2**

   The system displays:

   ```
   Processing of <Oracle Setup> is completed.

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

9. Enter **q**

10. Start at the Lucent INTUITY Administration menu (Figure 3-1) and select

    ```
    > Customer/Services Administration

        > System Management

            > System Control

                >Stop Voice System
    ```

11. Enter **y** to confirm that you wish to stop the voice system.

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

    ```
    The Voice System has stopped.
    ```

12. Press ENTER to continue.

13. Start at the Lucent INTUITY Administration Menu (Figure 3-1) and select

```
> Customer/Services Administration
    > System Management
        > System Control
            >Shutdown System
```
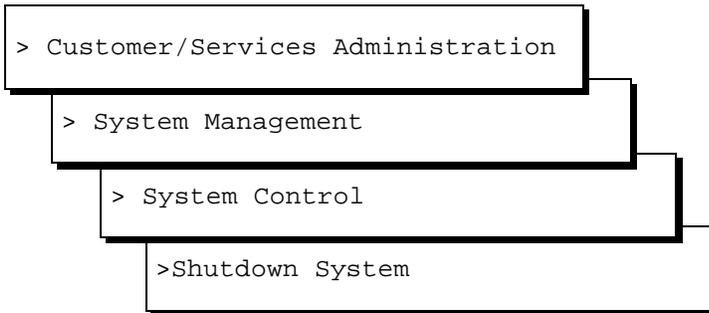
The system displays the Wait Time window.

14. Enter a number between 0 and 60 to designate how long the system will wait for users to log off.

15. Press ⌦F3⌧ (SAVE).

The system displays the following message:

```
Shutdown started.
```

When the system is completely shut down, the system will display the following message.

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

16. Make sure that there is no diskette in the floppy drive.

17. Press ⌈Ctrl-Alt-Del⌉.

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.

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

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

18. Log on to the INTUITY Interchange as craft.

19. From the Lucent INTUITY Administration menu, select

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

20. Enter **y** to confirm that you wish to stop the voice system.

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

    ```
    The Voice System has stopped.
    ```

21. Start at the Lucent INTUITY Administration menu (Figure 3-1) and select

```
> Customer/Services Administration
     > System Management
         > UNIX Management
             > Software Install
```

    The system displays the Software Install menu (Figure 3-2).

22. Insert the tape labeled "ORACLE DBMS 7.0.16" into the tape drive.

23. 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)
    ```

24. Press ⌈ENTER⌋.

    The system displays the following message:

    ```
    Installation in progress.  Do not remove the cartridge
    The following pkgs are available:
    1    oracle   Oracle DMBS 7.0.16
                   (486) 1.0-1
    2    setupora Oracle Setup
                   (486) 1.0-1

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

25. Enter **1**

    The system responds:

    ```
    Is this a software only install (y/n/q)
    ```

26. Enter **y**

    ### ⚠ CAUTION:
    If n is selected, the existing database will be destroyed.

27. Enter **y** to confirm the selection.

    ### ⇒ NOTE:
    Installation of the ORACLE DBMS takes approximately 45 minutes.

    When installation is complete, the system responds:

    ```
    Installation of <Oracle DBMS 7.0.16 (oracle)> is
    completed.

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

28. Enter **q**

29. Remove the tape labeled "Oracle DBMS 7.0.16" from the tape drive.

30. Reboot the system. Refer to Chapter 22, "Common Administration and Maintenance Procedures," of *INTUITY Platform Administration and Maintenance for Release 3.0*, 585-310-557.

31. Continue with the next procedure "Installing the INTUITY Interchange Application Software."

Installing the INTUITY Interchange Application Software

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

1. Start at the Lucent INTUITY Administration menu and select

```
> Customer/Services Administration

    > System Management

        > UNIX Management

            > Software Install
```

The system displays the Software Install menu (Figure 3-2).

2. Insert the tape labeled "INTUITY Interchange Application Software" 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
             (486) ichg3.0-X.X

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

5. Enter **1**

The system responds:

```
Select type of installation

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

Select (1-5):
```

6. Enter **2**

⚠ CAUTION:

> *If 1 is selected, the existing Interchange database will be destroyed.*

The system responds:

```
You have selected to install the software only package. Do you
wish to continue [y,n,?,q]
```

7. Enter **y**

The system responds:

```
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**

9. Remove the tape labeled "INTUITY Interchange Application Software" from the tape drive.

10. Press F6 (CANCEL) twice to return to the System Management menu.

11. Shutdown and reboot the system. See "Rebooting the UNIX System" in Chapter 22, "Common Administration and Maintenance Procedures," of *Lucent INTUITY Platform Administration and Maintenance for Release 3.0*, 585-310-557.

Verifying System Installation

4

What's in This Chapter?

This chapter contains information for verifying the software installation of the INTUITY Interchange. The hardware and software for the INTUITY Interchange should have been assemble, load, and tested in the factory before shipment to the customer site. Use the procedures in this chapter to verify all necessary software has been installed on the INTUITY Interchange.

Verifying the Software Installation

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

1. Start at the Lucent INTUITY Administration menu and select

```
> Customer/Services Administration
   > System Verification
      > View Installed Software
```

The system displays the View Installed Software screen (Figure 4-1 and Figure 4-2). Use F2 (NEXTPAGE) and F3 (PREVPAGE) to move through the View Installed Software screen. The abbreviated versions of the packages installed appears after all detailed version of the packages.

Figure 4-1. Sample View Installed Software Screen (Detailed Version)

```
                      View Installed Software
softFAX 2.0
intuity     OSmods          Intuity Operating System Modifications
Module
Intuity     aag             Intuity Interchange AAG Package
system      acp             Enhanced Application Compatibility
patch       adscfix         UNIX SVR4.2 ADSC Driver Patch - Update G
system      audfs           AUDIX File system
system      base            Base System
system      bkrs            Extended Backup and Restore
system      bsdcompat       BSD Compatibility
system      cmds            Advanced Commands
preSVR4     compat          BSD compatibility package
```

**Figure 4-2.   Sample View Installed Software Screen
(Abbreviated Version)**

2. 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.

   Interchange RFU:

       adsc+1
       leomtce+1
       leovs+1
       sme42L+1

   Oracle Tape:

       oracle
       setupora

   Interchange Application Software Tape:

       aag
       ichg
       ic_us-eng
       icdfltdb
       jamrt
       netw
       orasce
       sec
       sce

Initial Administration

5

What's in This Chapter?

Initial administration is required on the following components in the Lucent INTUITY™ Interchange cluster:

- Interchange administration

- * Remote (end-point) machine administration (digital and AMIS) for both Lucent and non-Lucent machines

- Point-to-point protocol (PPP) server

If a Lucent organization (that is, Professional Services) has been designated to perform the initial administration, contact Professional Services at (800) 776-2323.

If the customer is responsible for the administration of the remote machines (or additional end-points) based on Design Center specifications, then inform the customer of the systems' readiness. Refer to *Lucent INTUITY Interchange Administration*, 585-310-573, for detailed information on administration procedures for the INTUITY Interchange.

* Networking translations for the remote Lucent machines are not part of the INTUITY Interchange. The customer can contract Professional Services to perform these networking translations.

Abbreviations

A

AAG
AMIS Analog Gateway module

ADAP
administration and data acquisition package

ALT
assemble load and test

AMIS
audio messaging interchange specification

API
application programming interchange

AUDIX
audio information exchange

B

BCS
Business Communications Systems

bit
binary digit

bps
bits per second

C

CPU
central processing unit

D

DCIU
data communications interface unit

DCP
digital communication protocol

DCS
distributed communication system

DID
direct inward dialing

DNIS
dialed number identification service

E

ESD
electrostatic discharge

H

HMM
Hub message manager

I

IMAPI
INTUITY messaging application programming interface

INADS
initialization and administration system

IP
Internet protocol

L

LAN
local area network

M

MAP
multi-application platform

MT
maintenance (INTUITY software component)

MWI

message-waiting indicator

MWL

message-waiting lamp

N

NW

INTUITY AUDIX Digital Networking module

P

PEC

price element code

PPP

point to point protocol

R

RFU

remote field update

RTU

right to use

S

SCE

service creation environment

SNMP

simple networking management protocol

SWIN

switch interface

T

TCP/IP

Transmission Control Protocol/Internet Protocol

TSC

Technical Services Center

TSO

Technical Services Organization

V

VDN

vector directory number

VP

voice platform (INTUITY software component)

W

WAN

wide area network

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