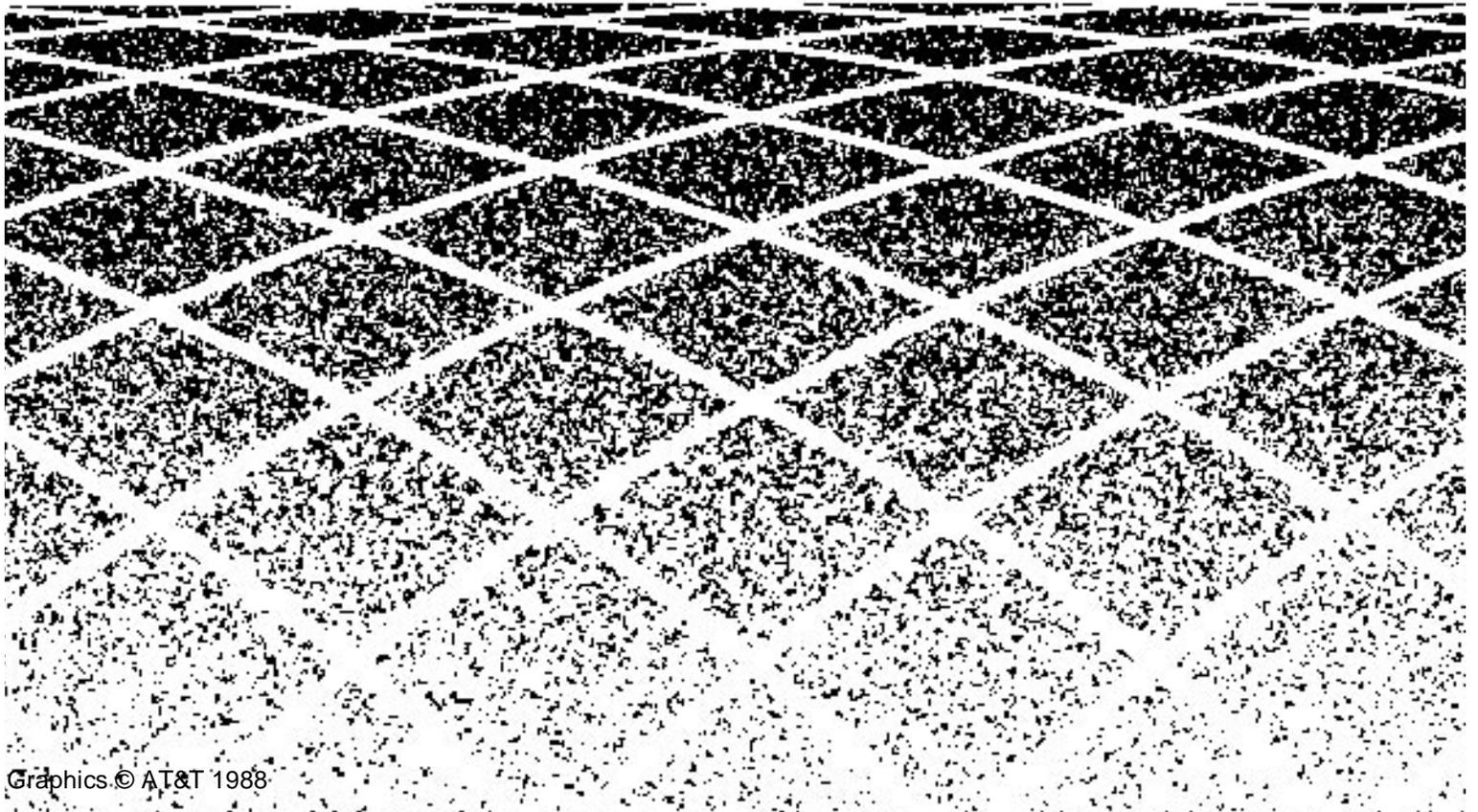




585-300-601
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Planning for the DEFINITY AUDIX System Release 3.2



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About This Document

This document is designed as a supplement to the AUDIX® System *Streamlined Implementation* process flow. It includes:

- Checklists for use by the branch office when planning and implementing a DEFINITY® AUDIX® System sale and installation
- Worksheets to be completed by the customer organization, the account executive, and/or the software specialist before the DEFINITY AUDIX System is installed



NOTE:

The term *System* is used to mean *DEFINITY AUDIX System* in the chapter and table titles, and occasionally in the text, throughout this document.

Intended Audience

This document is designed for the following audiences:

- Account Executive (AE) — Pre-sale
- Customer Support Representative (CSR) — Post-sale and pre- next sale
- Design Specialist (DS) — Pre-sale
- Project Manager (PM) — Pre- and post-sale
- Software Specialist (SS) — Post-sale
- Installer — Post-Sale/implementation
- Software Associate (SA) — Post-sale

- Territory Support Manager (TSM) — Post-sale and pre- next sale
- Customer Organization — Pre- and post-sale
- RSC is used to mean both Remote Switching Center and includes technical support organizations such as the Technical Service Organization (TSO), National Service Assistance Center (NSAC), International Technical Assistance Center (ITAC), Center of Excellence (COE), Design Center (DC), Sales Technical Response Center (STRC), and National Technical Marketing (NTM).

Prerequisite Skills or Knowledge

This document is written with the assumption that readers are familiar with the material in *DEFINITY AUDIX System — System Description, 585-300-205* and *DEFINITY AUDIX System — Feature Descriptions, 585-300-206*.

How This Document Is Organized

The following topics are covered in this document:

- Chapter 1, “Overview”, a high-level overview of DEFINITY AUDIX System implementation.
- Chapter 2, “New System Ordered with New PBX”, a list of tasks to be completed when the customer orders a new DEFINITY AUDIX System with a new PBX.
- Chapter 3, “New System Ordered for Existing PBX”, a list of tasks to be completed when the customer orders a new DEFINITY AUDIX System for a PBX that is already installed at their site.
- Chapter 4, “System Software Upgrade”, a list of tasks to be completed when the customer orders a right-to-use for a newer version of the DEFINITY AUDIX software.
- Chapter 5, “System Move”, a list of tasks to be completed when the customer wants to move a DEFINITY AUDIX System from one PBX to a different PBX, or move the DEFINITY AUDIX System to a new set of slots in the same PBX.
- Appendix A, “PBX Carrier Configuration Worksheets”, provides worksheets for the AE or DS to complete if the DEFINITY AUDIX System is to be installed into a PBX that is already at the customer site. The worksheets can also be used if DEFINITY AUDIX System is to be moved to different slots in the PBX in which it currently resides or to a new PBX.
- Appendix B, “Switch Administration Worksheets”, worksheets for the customer to complete before initial switch administration.

- Appendix C, “DEFINITY AUDIX System Administration Worksheets”, worksheets for the customer to complete before initial DEFINITY AUDIX administration.
- Appendix D, “Optional Features Worksheets”, worksheets for the customer to complete before administering optional features such as AMIS Analog and Digital Networking or Automated Attendant.
- Appendix E, “Terminal Configuration”, a worksheet for the customer to complete for the system access terminals.
- Appendix F, “Upgrades and Ongoing Maintenance and Administration”, contains an overview of administration and maintenance tasks.
- Appendix G, “AUDIX System Administrator Qualifications and Duties”, contains an overview of system administration tasks and recommended qualifications for the job of system administrator.
- *Appendix H, “Needs Assessment/ Request for Design Support”, a worksheet for design support.*
- A list of abbreviations, glossary, and index are also included.

How to Use this Document

To use this document, follow the implementation process flow as outlined in the appropriate implementation chapter (Chapters 2 through 5). The tasks indicate when in the process flow the worksheets in the appendixes of this book should be completed. Where appropriate, the directions for a task refer the reader to a specific DEFINITY AUDIX or PBX document for further information.

Trademarks and Service Marks

The following trademarked products are mentioned in this document:

- AUDIX® is a registered trademark of AT&T
- DEFINITY® is a registered trademark of AT&T
- Intuity™ is a trademark of AT&T

Related Resources

The forms in this document are to be completed by the customer to enable a smooth installation of the DEFINITY AUDIX System and DEFINITY AUDIX-related administration of the PBX. The following additional documents are recommended for use in conjunction with this document:

- *DEFINITY AUDIX System — Feature Descriptions*, 585-300-206 and *DEFINITY AUDIX System — System Description*, 585-300-205: Describe the DEFINITY AUDIX System hardware and features not covered in this document.
- *DEFINITY AUDIX System — Installation and Upgrade*, 585-300-118: Contains detailed installation and upgrade instructions.
- *Switch Administration for the DEFINITY AUDIX System*, 585-300-509: Contains details for administering the PBX in which the DEFINITY AUDIX System is installed.
- *DEFINITY AUDIX System — Maintenance*, 585-300-110, *DEFINITY AUDIX System — Administration*, 585-300-507, and *DEFINITY AUDIX System R3.1 — Screens Reference*, 585-300-212: Contain details of ongoing maintenance and ongoing administration.

How to Make Comments About This Document

The reader comment card is located after the title page of this document. While we have tried to make this document fit your needs, we are interested in your suggestions for improving it and urge you to complete and return a reader comment card.

If the reader comment card has been removed from this document, please send your comments to:

AT&T
Product Documentation Development Department
Room 22-2C11
11900 North Pecos Street
Denver, Colorado 80234

This document is designed to help make a DEFINITY AUDIX System installation, system move, or software upgrade implementation run as smoothly as possible. It is to be used in conjunction with documents for the AUDIX Streamlined Implementation process and other DEFINITY AUDIX documents.

DEFINITY AUDIX System

A prospective purchaser of the DEFINITY AUDIX System should be aware of the following system requirements:

- The DEFINITY AUDIX System can be installed only in a System 75 R1V3, G1, G3V1; G3V2, G3V3, G3V4 and higher; System 75 XE; or a DEFINITY Communications System Generic 1 or Generic 3. See Table 1-1, Switches and Switch-Software Versions Compatible with the DEFINITY AUDIX System, for a list of compatible switches and switch software loads.
- AT&T supports only those configurations with *one* DEFINITY AUDIX System per PBX system.
- The DEFINITY AUDIX system requires five¹ contiguous universal port slots.

For details on the carriers and universal port slots into which a DEFINITY AUDIX System can be installed, see Appendix A, "PBX Carrier Configuration Worksheets".

1. Four slots are required for a G3vs switch.

- The DEFINITY AUDIX System R3.2 can be connected to the switch in one of two integration modes: *control-link* (CL) or *display-set* (DS) integration.

The DEFINITY AUDIX System must emulate a digital station port circuit pack (TN754 or TN2181) on the switch. Either Control Link (CL) mode or Display Set (DS) mode switch integration can be used with the digital port emulation. There are a few feature differences between CL mode and DS mode, the most important of which is greater system security with CL mode. Feature differences are described in *DEFINITY AUDIX System — Feature Descriptions, 585-300-206*.

With the maximum configuration in either mode, a customer can administer up to 2000² local subscribers or 100,000 remote subscribers on a DEFINITY AUDIX System.

In all switches, the DEFINITY AUDIX System can emulate a TN754, 8 port digital circuit pack. In G3V2, G3V3, and G3V4, the DEFINITY AUDIX System also can emulate a TN2181, 16-port digital station circuit pack. In G3V2 and G3V3, the switch identifies the DEFINITY AUDIX System as a TN2181 circuit pack. (This is known as non-native mode). In G3V4, the switch identifies the DEFINITY AUDIX System emulating a TN2181 as a DEFINITY AUDIX System (this is known as native mode.)

- The DEFINITY AUDIX System provides multilingual capability, with up to nine language announcement sets able to be put on a system. A special Telecommunications Device for the Deaf announcement set is also available.
- The DEFINITY AUDIX System supports AMIS analog and digital networking.
- The DEFINITY AUDIX System can operate in a Distributed Communications System (DCS) environment.
- The DEFINITY AUDIX System can be the AUDIX server on a Local Area Network (LAN) for subscribers using Intuity™ Message Manager on their PCs. Up to 500 Intuity™ Message Manager subscribers can have a Transmission Control Protocol/Internet Protocol (TCP/IP) connection into the system. Up to 32 subscribers can be logged into the system at any one time using Intuity™ Message Manager.

Compatible Switches and Software

The DEFINITY AUDIX System can be installed in the following switches:

- System 75 R1V3
- System 75 XE
- DEFINITY Communications System Generic 1 (G1)

2. These numbers indicate the maximum number possible, which may not be desirable for peak performance.

- DEFINITY Communications System Generic 3i (G3iV1), (G3iV2), (G3iV3) Global) (G3iV1-Global), (G3iV2-Global).
- DEFINITY Communications System Generic 3r (G3rV1), (G3rV2), (G3rV3), (G3rV4).
- DEFINITY Communications System Generic 3s (G3sV1), (G3sV2), (G3sV3), (G3sV4)
- DEFINITY Communications System Generic 3s (G3vsV1), (G3vsV2), (G3vsV3), (G3vsV4)

Not all software releases for these switches are compatible with the DEFINITY AUDIX System R3.2. Table 1-1, Switches and Switch-Software Versions Compatible with the DEFINITY AUDIX System, lists the switches and switch software loads that are compatible with the DEFINITY AUDIX System.

Table 1-1. Switches and Switch-Software Versions Compatible with the DEFINITY AUDIX System

Switch	Switch-Software Release Compatible with DEFINITY AUDIX System R3.2	Supports the DEFINITY AUDIX System via Native Mode?
System 75 ^{1 2}	Software release 2.2 or later	No
G1 ²	All software releases	No
G3r (G3rV1)	Software release 5.3 or later G3rv1	No – for CL integration Yes – for DS integration
G3i, G3s, and G3vs	G3rv1	Yes
G3i-Global	All software releases	Yes – for DP mode No – for CL mode
G3V2+	Software 2.2 or later	Yes – for DS
G3V3	Software 2.2 or later	Yes
G3V4	Software 2.2 or later	Yes

1. These switch versions do not support multifunction analog telephones (MFATs).
2. The Transfer Out of AUDIX feature is not supported on these switches when DEFINITY AUDIX is in CL mode. It will also not work on G3 switches prior to G3V2g.04.5.0.099.

The G3r (G3V1) switch supports multifunction analog telephones (MFATs) but an MFAT cannot be used to access the DEFINITY AUDIX System with software release 5.3. Use of MFATs with the DEFINITY AUDIX System will be supported in all software releases after 5.3.

Customers with switch software releases earlier than those specified in this table must upgrade their switch software to accommodate the DEFINITY AUDIX System.

Table 1-2. Voice Port Limits by Switch Type

Switch Type	Maximum Number of Voice Ports with Digital Networking	Maximum Number of Voice Ports with Analog Networking
G3v2,G3v3 non-native mode	16 ports	16 ports
G3v4 and higher native mode		
G3v2, G3v3, G3v4 native mode	8 ports	16 ports

DEFINITY AUDIX Planning

In planning and implementing a DEFINITY AUDIX installation, software upgrade, or system move, the customer and AT&T employees must coordinate their efforts for the needs assessment/contract, pre-installation, installation, and post-installation activities. The following chapters contain an overview of the tasks that must be performed during each of these phases.

Throughout the implementation process, the AT&T project manager should be the customer's single point of contact. Once the system cutover is complete and the customer accepts the system, if the customer needs assistance with the DEFINITY AUDIX System, the customer should contact the Remote Support Center (RSC).

New System Ordered with New PBX

2

Table 2-1, New System with New PBX, is a checklist that summarizes the tasks required for planning and installing the DEFINITY AUDIX System when it is ordered with a new PBX. The checklist is designed to help all parties involved coordinate their planning and implementation activities. Where appropriate, tasks refer to documents that contain more detailed instructions or information.

The symbol  in the checklist points to a worksheet in the Appendixes that should be filled in at that point of the planning process.

To compile information you need for an upgrade, and to perform upgrade tasks, see *DEFINITY AUDIX System—Installation and Upgrade*, 585-300-118, Chapter 7.

Table 2-1, New System with New PBX, is designed to be used in conjunction with the AUDIX Streamlined Implementation process flow. For more detailed information on DEFINITY AUDIX implementation, consult the binders produced for AUDIX Streamlined Implementation. These binders should be in each AT&T branch office.

For PBX implementation tasks, consult the binders produced for Streamlined Implementation and the appropriate PBX planning document.

Table 2-1. New System with New PBX

Task	Party	Requirements	Date Complete
Performing Assessment/ Contract Tasks			
Complete Needs Assessment	AE	Determine the appropriate voice messaging and software application solution for the customer. If a DEFINITY AUDIX System is the best solution, determine approximately the number of ports, PC software applications, and the disk size the customer needs.	
		Verify that the switch and switch software load can accommodate the DEFINITY AUDIX System. See Table 1-1, Switches and Switch-Software Versions Compatible with the DEFINITY AUDIX System, in Chapter 1, "Overview", for a list of compatible switches and switch software loads.	
		Determine whether the DEFINITY AUDIX System will be run in the Display Set (DS) or Control Link (CL) switch-integration mode. If the system will be run in CL mode, determine the type of control link cable connection that will be used.	
	↻	Fill in "Worksheet A-4: Control Link Cable-Connection Configuration", to identify the equipment needed for the connection.	
		If the DEFINITY AUDIX System will be used as a server for Intuity Message Manager over a Local Area Network (LAN), work with the customer's LAN administrator to set up a demarcation point on the wallfield within 25 feet from the back of the switch. A 10BaseT connection is needed. AT&T will provide a 104A mounting block as the demarcation point on the wall for this connection to plug into. AT&T will also provide a D8W modular wall cord to make the connection between the mounting block and the DEFINITY AUDIX alarm board cable.	

Continued on next page

Table 2-1. New System with New PBX — Continued

Task	Party	Requirements	Date Complete
	☞	Fill in “Worksheet C-2: Activate IMAPI for the AUDIX Server Hardware (LAN) Options”, to identify the equipment needed for Intuity Message Manager.	
		Determine what primary and secondary multilingual language sets will be used.	
	☞	Fill in “Worksheet C-1: Activate Customer Options” and “Worksheet C-7: Activate Parameters and Basic Features” to activate the Multilingual option, and C9 to specify language sets.	
		Identify any peripheral equipment needed, including terminals, modems, and cables not included with the DEFINITY AUDIX System PEC.	
	☞	Fill in “Worksheet E-1: Terminals”.	
Generate a Configuration	AE	See <i>DEFINITY AUDIX System — System Description</i> , 585-300-205 for detailed information about the DEFINITY AUDIX System.	
		Check to make sure the customer can arrange the appropriate switch cabinet so there are enough contiguous slots available.	
Review Equipment Room Requirements	PM/AE	See <i>DEFINITY AUDIX System — System Description</i> , 585-300-205 for detailed information about environmental considerations.	
		Review equipment room environmental requirements with the customer and obtain the customer's signature.	
Preparing for Installation			
Order Documentation	AE	If the customer wants documentation to arrive before the DEFINITY AUDIX System, order it at this time (or any time before you place the firm order for the system). The DEFINITY AUDIX customer documentation set is orderable as PEC 70741.	
		This PEC includes the following customer documentation:	

Continued on next page

Table 2-1. New System with New PBX — Continued

Task	Party	Requirements	Date Complete
		<i>Planning for the DEFINITY AUDIX System, 585-300-601</i>	
		<i>DEFINITY AUDIX System — System Description, 585-300-205</i>	
		<i>DEFINITY AUDIX System — Feature Descriptions, 585-300-206</i>	
		<i>DEFINITY AUDIX System — Administration, 585-300-507</i>	
		<i>DEFINITY AUDIX System R3.2 — Screens Reference, 585-300-212</i>	
		<i>Switch Administration for the DEFINITY AUDIX System, 585-300-509</i>	
		AUDIX Administration and Data Acquisition Package, 585-300-502	
Attend Training	Customer	Attend DEFINITY AUDIX System administration training and any optional DEFINITY AUDIX training classes you have purchased.	
Prepare the Site	Customer	Prepare equipment room for installation. See <i>DEFINITY AUDIX System — System Description, 585-300-205</i> for complete information on environmental considerations.	
	DS mode only	To install the DEFINITY AUDIX System, each station must have a unique extension and caller ID. The DEFINITY AUDIX System will reject the switch database if two or more extensions have the same caller ID or no caller ID (this appears to the DEFINITY AUDIX System as a duplicate ID). Modify the switch database at this time, if necessary, to meet these criteria.	
Perform Software/Station Reviews	PM/ Customer	Determine how the customer would like the PBX and the DEFINITY AUDIX System administered during initial administration —	
	↻	Fill in the worksheets in Appendix B, "Switch Administration Worksheets"; Appendix C, "DEFINITY AUDIX System Administration Worksheets"; and Appendix D, "Optional Features Worksheets".	

Continued on next page

Table 2-1. New System with New PBX — Continued

Task	Party	Requirements	Date Complete
		See <i>DEFINITY AUDIX System — Installation and Upgrade</i> , 585-300-118, <i>Switch Administration for the DEFINITY AUDIX System</i> , 585-300-509, and <i>DEFINITY AUDIX System — Administration</i> , 585-300-507 for information on translations and administration.	
		Discuss system security issues including toll fraud and, if running in DS mode, the Call Screening feature. Also discuss the system password with the customer — the customer can change the system password for the <i>cust</i> login to whatever they want. AT&T controls the system password for the <i>craft</i> and <i>rsc</i> logins to enable the RSC to perform remote administration.	
Allocate a DID or CO Line for AUDIX Maintenance Port	Project Manager/ Customer	The customer is responsible for providing a remote- maintenance access line to the modem of the DEFINITY AUDIX System. The customer can purchase a 1FB from the local telephone company or provide a DID line from the PBX. A circuit terminating at the PBX console or other answering position is not suitable.	
Check the Customer Site	Project Manager	Verify that the customer equipment room is ready for equipment delivery. Make sure the customer has done everything they agreed to do.	
Receive Equipment	Customer	Receive PBX with DEFINITY AUDIX System installed.	
Installing the System			
Install the DEFINITY AUDIX hardware	Installer	Install the cables, modems, terminals and any other peripheral equipment as described in Chapter 2 of <i>DEFINITY AUDIX System — Installation and Upgrade</i> , 585-300-118.	
Test the Hardware	Installer	Test the DEFINITY AUDIX Hardware. See Chapter 2 of <i>DEFINITY AUDIX System — Installation and Upgrade</i> , 585-300-118 for detailed instructions.	

Continued on next page

Table 2-1. New System with New PBX — Continued

Task	Party	Requirements	Date Complete
Perform Initial Switch Administration	Per signed contract	Use the worksheets from Appendix B, "Switch Administration Worksheets", that the AE or software specialist/software administrator and the customer completed, and the instructions in <i>Switch Administration for DEFINITY AUDIX System</i> , 585-300-509 to perform the initial switch administration.	
Activate Customer Options. (These will normally be activated before shipping.)	RSC	Use "Worksheet C-1: Activate Customer Options", to check port activation, the switch and port connection types, the AMIS Analog and Digital Networking and multilingual options, and maximum number of Intuity™ Message Manager login sessions. If necessary, change the settings for these features on the SYSTEM-PARAMETERS CUSTOMER OPTIONS screen as described in Chapter 3 of <i>DEFINITY AUDIX System — Installation and Upgrade</i> , 585-300-118.	
Activate AUDIX server hardware (LAN) options	RSC	Use "Worksheet C-2: Activate IMAPI for the AUDIX Server Hardware (LAN) Options" to check connection of the system to the LAN and activation of IMAPI Message Manager, and the instructions in Chapters 3 and 4 of <i>DEFINITY AUDIX System — Installation and Upgrade</i> , 585-300-118. Also refer to the <i>Intuity Message Manager User's Guide</i> , 585-310-731.	
Perform Initial DEFINITY AUDIX Administration	Installer	Use the worksheets from Appendix C, "DEFINITY AUDIX System Administration Worksheets", that the AE or the project manager/software administrator and the customer completed, and the instructions in Chapter 3 of <i>DEFINITY AUDIX System — Installation and Upgrade</i> , 585-300-118 to perform the initial DEFINITY AUDIX System administration.	
Test Alarm Origination	Project Manager ➡	Fill in Appendix C, "Worksheet C-10: Set Up Alarm Origination". Enter the information from this worksheet on the SYSTEM-PARAMETERS MAINTENANCE screen and then test the alarm-origination feature.	

Continued on next page

Table 2-1. New System with New PBX — Continued

Task	Party	Requirements	Date Complete
		Call the RSC to add the customer to the INADS database and request maintenance support.	
		For detailed instructions, see Chapter 4 of <i>DEFINITY AUDIX System — Installation and Upgrade</i> , 585-300-118.	
Test the DEFINITY AUDIX Features	Installer	Test the DEFINITY AUDIX features. For detailed instructions, see Chapter 4 of <i>DEFINITY AUDIX System — Installation and Upgrade</i> , 585-300-118.	
Perform Initial Subscriber Administration	Installer/Customer	Add the initial subscribers. Use “Worksheet C-9: Add Subscribers”.	
Perform Customer Initial Administration	Customer	If desired, install the AUDIX Administration and Data Acquisition Package (ADAP). See <i>AUDIX Administration and Data Acquisition Package</i> , 585-302-502.	
		Administer and record automated attendant(s), if desired. See <i>DEFINITY AUDIX System — Administration</i> , 585-300-507 for complete instructions.	
		Record and administer customized announcements, if desired. See <i>DEFINITY AUDIX System — Administration</i> , 585-300-507 for complete instructions.	
		Identify primary and secondary language announcement sets, if desired. See <i>DEFINITY AUDIX System — Administration</i> , 585-300-507 for complete instructions.	
		Administer any other optional features desired. See Appendix D, “Optional Features Worksheets” for more information and worksheets for optional features.	
		Test any features administered in this step.	
Administer digital networking per spec provided	Installer	Test and administer digital networking. See Appendix B, “Switch Administration Worksheets”, for more information, and Worksheets B-16a through B-19 for digital networking.	

New System Ordered for Existing PBX

3

Table 3-1, New System with Existing PBX, is a checklist that summarizes the tasks required for planning and installing a DEFINITY AUDIX System when it is ordered for a PBX that the customer already has on site. The checklist is designed to help all parties involved coordinate their planning and implementation activities. Where appropriate, tasks refer to documents that contain more detailed instructions or information.

The symbol ➡ in the checklist points to a worksheet in the Appendixes that should be filled in at that point of the planning process.

To compile information you need for an upgrade, and to perform upgrade tasks, see *DEFINITY AUDIX System—Installation and Upgrade*, 585-300-118, Chapter 7.

Table 3-1, New System with Existing PBX, is designed to be used in conjunction with the AUDIX Streamlined Implementation process flow. For more detailed information on DEFINITY AUDIX implementation, consult the binders produced for AUDIX Streamlined Implementation. These binders should be in each AT&T branch office.

Table 3-1. New System with Existing PBX

Task	Party	Requirements	Date Complete
Performing Assessment/ Contract Tasks			
Complete Needs Assessment	AE	Determine the appropriate voice messaging and software application solution for the customer. If a DEFINITY AUDIX System is the best solution, determine <i>approximately</i> the number of ports, PC software applications, and the disk size the customer needs.	
		Verify that the switch and switch software load can accommodate the DEFINITY AUDIX System. See Table 1-1, Switches and Switch-Software Versions Compatible with the DEFINITY AUDIX System, in Chapter 1, <i>Overview</i> , for a list of compatible switches and switch software loads.	
	☞	Determine whether the DEFINITY AUDIX System will be run in DP mode or in CL mode. If the system will be run in CL mode, determine the type of control link cable connection that will be used. Fill in "Worksheet A-1: Port Slot Assignments (Before Carrier Rearrangement)" to identify the equipment needed for the connection.	

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Table 3-1. New System with Existing PBX — Continued

Task	Party	Requirements	Date Complete
		<p>If the DEFINITY AUDIX system will be used as a server for Intuity Message Manager over a Local Area Network (LAN), work with the customer's LAN administrator to set up a demarcation point on the wallfield within 25 feet from the back of the switch. A 10BaseT connection is needed. AT&T will provide a 104A mounting block as the demarcation point on the wall for this connection to plug into. AT&T will also provide a D8W modular wall cord to make the connection between the mounting block and the DEFINITY AUDIX alarm board cable.</p>	
	<p>↻</p>	<p>Fill in Worksheet C-2, <i>Activate AUDIX Server Hardware (LAN) Options</i>, to identify the equipment needed for Intuity Message Manager.</p> <p>Determine what primary and secondary multilingual language sets will be used.</p>	
	<p>↻↻</p>	<p>Fill in "Worksheet C-1: Activate Customer Options" and "Worksheet C-7: Activate Parameters and Basic Features" to activate the Multilingual option, and "Worksheet C-8: Identify Number of Digital Networking Ports" to specify language sets.</p>	
		<p>Identify any peripheral equipment needed, including terminals, modems, and cables not included with the DEFINITY AUDIX System PEC.</p> <p>Fill in "Worksheet E-1: Terminals".</p>	

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Table 3-1. New System with Existing PBX — Continued

Task	Party	Requirements	Date Complete
Determine DEFINITY AUDIX Location	AE	See <i>DEFINITY AUDIX System —System Description</i> , 585-300-205 for detailed information about environmental considerations.	
	☞	Complete the <i>PBX Carrier Configuration Worksheets</i> , to find five contiguous slots into which the DEFINITY AUDIX System can be installed (four slots in the G3vs switch). Give completed worksheets to the project manager.	
		If the customer needs an additional switch carrier to accommodate the DEFINITY AUDIX System, make sure they want to purchase the additional carrier. (If they do not want to purchase an additional carrier, the DEFINITY AUDIX System may not be the appropriate voice messaging solution for their needs.)	
Generate a Configuration	AE	See <i>DEFINITY AUDIX System —System Description</i> , 585-300-205 for detailed information about the DEFINITY AUDIX System.	
Perform Site Survey	PM	Verify that the switch and switch software load can accommodate the DEFINITY AUDIX System. See Table 1-1, <i>Switches and Switch-Software Versions Compatible with the DEFINITY AUDIX System</i> , in Chapter 1, <i>Overview</i> , for a list of compatible switches and switch software loads.	
		Using the information in Appendix A, “PBX Carrier Configuration Worksheets”, make sure there are enough contiguous slots available in a carrier that are suitable for the DEFINITY AUDIX System.	

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Table 3-1. New System with Existing PBX — Continued

Task	Party	Requirements	Date Complete
Review Equipment Room Requirements	PM/AE	Review equipment room environmental requirements with customer and obtain customer signature.	
Preparing for Installation Order Documentation	AE	<p>If the customer wants documentation to arrive before the DEFINITY AUDIX System, order it at this time (or any time before you place the firm order for the system). The DEFINITY AUDIX customer documentation set is orderable as PEC 70741.</p> <p>This PEC includes the following subscriber documentation:</p> <p><i>Planning for the DEFINITY AUDIX System, 585-300-904</i></p> <p><i>DEFINITY AUDIX System — System Description, 585-300-205</i></p> <p><i>DEFINITY AUDIX System — Feature Descriptions, 585-300-206</i></p> <p><i>DEFINITY AUDIX System — Administration, 585-300-507</i></p> <p><i>DEFINITY AUDIX System — R3.2 Screens Reference, 585-300-212</i></p> <p><i>Switch Administration for DEFINITY AUDIX System, 585-300-509</i></p> <p><i>AUDIX Administration and Data Acquisition Package, 585-300-502</i></p>	
Attend Training	Customer	Attend DEFINITY AUDIX System administration training and any optional DEFINITY AUDIX training classes you have purchased.	

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Table 3-1. New System with Existing PBX — Continued

Task	Party	Requirements	Date Complete
Order Switch Carrier Reconfiguration	PM	Place an order for switch carrier reconfiguration, if required. Any switch carrier reconfiguration should be completed before material on job (MOJ) of the DEFINITY AUDIX hardware.	
Perform Software/Station Reviews	PM/ Customer ↻	Determine how the customer would like the PBX and the DEFINITY AUDIX System administered during initial administration — Fill in the worksheets in Appendix B, “Switch Administration Worksheets” Appendix C, “DEFINITY AUDIX System Administration Worksheets” and Appendix D, “Optional Features Worksheets”.	
		See <i>DEFINITY AUDIX System — Installation and Upgrade</i> , 585-300-111, <i>Switch Administration for the DEFINITY AUDIX System</i> , 585-300-509, and <i>DEFINITY AUDIX System — Administration</i> , 585-300-507 for complete information on translations and administration.	
	AE	Discuss system security issues including toll fraud and, if running in DP mode, the Call Screening feature. Also discuss the system password with the customer — the customer can change this password for the <i>cust</i> login to whatever they want. AT&T controls the system password for the <i>craft</i> and <i>rsc</i> logins to enable the RSC to perform remote administration.	
Remove Switch Translations	Installer	Remove any translations for circuit packs to be moved to reconfigure carrier. For detailed information on using PBX screens, see the implementation manual appropriate for the customer's PBX.	

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Table 3-1. New System with Existing PBX — Continued

Task	Party	Requirements	Date Complete
Reconfigure Switch Carrier	Installer	Refer to “Worksheet A-1: Port Slot Assignments (Before Carrier Rearrangement)” and “Worksheet A-2: Port Slot Assignments (For Carrier Rearrangement)”, to see which circuit packs are to be moved. Perform remove and add functions to move the circuit packs. Rewire cables and cross-connect field, as required. See the customer's PBX documentation for information on using PBX screens.	
Administer Moved Circuit Packs	Installer	Administer any circuit packs the installer moved. Test the switch for the new physical arrangement of the circuit packs and for proper administration.	
Check the Customer Site	PM	Verify that the carrier circuit pack reconfiguration is complete (if reconfiguration was required). Make sure the customer has done everything they agreed to do.	
Allocate a DID or CO Line for AUDIX Maintenance Port	software specialist/ Customer	The customer is responsible for providing a remote-access line to the internal modem of the DEFINITY AUDIX System. The customer can purchase a 1FB from the local telephone company or provide a DID line from the PBX. A circuit terminating at the PBX console or other answering position is not suitable.	
Prepare the Site	Customer	Prepare equipment room for installation. See <i>DEFINITY AUDIX System — System Description</i> , 585-300-205 for complete information on environmental considerations.	

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Table 3-1. New System with Existing PBX — Continued

Task	Party	Requirements	Date Complete
	DP mode only:	In order to install the DEFINITY AUDIX System, each station needs a unique extension and caller ID. For example, the DEFINITY AUDIX System will reject the switch database if two extensions have the same caller ID. The DEFINITY AUDIX System will also reject the database if there is more than one extension with no caller ID (this appears to the system as a duplicate ID). Modify the switch database at this time, if necessary, to meet these criteria.	
Receive Equipment	Customer	Receive DEFINITY AUDIX System.	
Installing the System Install the DEFINITY AUDIX Hardware	Installer	Install the DEFINITY AUDIX hardware in the slots designated on Worksheet A-2, <i>Port Slot Assignments for Carrier Reconfiguration</i> .	
		Install cables, terminals, modems, and any other peripherals. See <i>DEFINITY AUDIX System — Installation and Upgrade</i> , 585-300-111 for detailed instructions.	
Test the Hardware	Installer	Test the DEFINITY AUDIX hardware. See <i>DEFINITY AUDIX System — Installation and Upgrade</i> , 585-300-118 for detailed instructions.	
Perform Initial Switch Administration	Per signed contract	Use the worksheets from Appendix B, "Switch Administration Worksheets" that the AE or software specialist/software administrator and the customer completed, and the instructions in <i>Switch Administration for DEFINITY AUDIX System</i> , 585-300-509 to perform the initial switch administration.	

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Table 3-1. New System with Existing PBX — Continued

Task	Party	Requirements	Date Complete
Activate Customer Options. (These will normally be activated before shipping.)	Installer	Use “Worksheet C-1: Activate Customer Options” to check port activation, the switch connection and port emulation types, the AMIS Analog Networking, digital networking multilingual options, and the maximum number of Intuity™ Message Manager login sessions. If necessary, change the settings for these features on the SYSTEM-PARAMETERS CUSTOMER OPTIONS screen as described in Chapter 3 of <i>DEFINITY AUDIX System — Installation and Upgrade</i> , 585-300-118.	
Activate AUDIX server hardware (LAN) options.	Installer	Use “Worksheet C-2: Activate IMAPI for the AUDIX Server Hardware (LAN) Options” to check connection of the system to the LAN and activation of Intuity™ Message Manager, and the instructions in Chapters 3 and 4 of <i>DEFINITY AUDIX System — Installation and Upgrade</i> , 585-300-111. Also refer to the Intuity Message Manager User’s Guide, 585-310-731.	
Perform Initial DEFINITY AUDIX Administration	Installer	Use the worksheets from Appendix C, “DEFINITY AUDIX System Administration Worksheets” that the AE or the software specialist/software administrator and the customer completed, and the instructions in <i>DEFINITY AUDIX System — Installation and Upgrade</i> , 585-300-118 to perform the initial DEFINITY AUDIX System administration.	

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Table 3-1. New System with Existing PBX — Continued

Task	Party	Requirements	Date Complete
Test Alarm Origination	PM ↻	<p>Fill in “Worksheet C-10: Set Up Alarm Origination”. Enter the information from this worksheet on the SYSTEM-PARAMETERS MAINTENANCE screen and then test the alarm-origination feature.</p> <p>Call the RSC to add the customer to the INADS database and request maintenance support.</p> <p>For detailed instructions, see Chapter 4 of <i>DEFINITY AUDIX System — Installation and Upgrade</i>, 585-300-118.</p>	
Test the DEFINITY AUDIX Features	Installer	Test the DEFINITY AUDIX features. For detailed instructions, see Chapter 4 of <i>DEFINITY AUDIX System — Installation and Upgrade</i> , 585-300-118.	
Perform Initial Subscriber Administration	RSC/software specialist/ Customer	Add the initial subscribers. Use “Worksheet C-9: Add Subscribers”.	

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Table 3-1. New System with Existing PBX — Continued

Task	Party	Requirements	Date Complete
Perform Customer Initial Administration	Customer	<p>If desired, install the AUDIX Administration and Data Acquisition Package (ADAP). See <i>AUDIX Administration and Data Acquisition Package</i>, 585-302-502.</p> <p>Administer and record automated attendant(s), if desired. See <i>DEFINITY AUDIX System — Administration</i>, 585-300-507 for complete instructions.</p> <p>Record and administer customized announcements, if desired. See <i>DEFINITY AUDIX System — Administration</i>, 585-300-507 for complete instructions.</p> <p>Administer any other optional features desired. See Appendix D, “Optional Features Worksheets” for more information and worksheets for optional features.</p> <p>Test any features administered in this step.</p>	
Administer digital networking per spec provided	Installer	<p>Test and administer digital networking. See Appendix B, “Switch Administration Worksheets”, <i>for more information</i>, and “Worksheet B-16 a: Administer Digital Networking Port 1 (DP/DS)” through “Worksheet B-19: Administer a Modem” <i>for digital networking</i>.</p>	

System Software Upgrade

4

Table 4-1, System Software Upgrade, is a checklist that summarizes the tasks required for planning and implementing a DEFINITY AUDIX software upgrade. To order an upgrade, the customer purchases a right-to-use for a newer release of the DEFINITY AUDIX software. The checklist is designed to help all parties involved coordinate their activities. Where appropriate, tasks refer to documents that contain more detailed instructions or information.

To compile information you need for an upgrade, and to perform upgrade tasks, see *DEFINITY AUDIX System — Installation and Upgrade*, 585-300-118, Chapter 7.

Table 4-1, System Software Upgrade, is designed to be used in conjunction with the AUDIX Streamlined Implementation process flow.

For more detailed information on DEFINITY AUDIX implementation, consult the binders produced for AUDIX Streamlined Implementation. These binders should be in each AT&T branch office.

Table 4-1. System Software Upgrade

Task	Party	Requirements	Date Complete
Performing Assessment/ Contract Tasks Generate a Configuration	AE	See <i>DEFINITY AUDIX System — System Description</i> , 585-300-205 for detailed information about the DEFINITY AUDIX System.	
Notify AUCC of pending upgrade before contract signature.	AE	AUCC looks at the upgrade to determine disk and other needs.	
Identify if new ALB, disk tape and MFB	PM	Project manager needs to know if new hardware is needed as well as a software upgrade. The addition of any of these hardware parts will affect the total upgrade time.	
Order Documentation	AE	Order the upgrade documentation or the complete customer documentation set. The complete set is orderable as PEC 70741. Individual documents include: <i>DEFINITY AUDIX System — System Description</i> , 585-300-205 <i>DEFINITY AUDIX System — Feature Descriptions</i> , 585-300-206 <i>DEFINITY AUDIX System — Administration</i> , 585-300-507 <i>DEFINITY AUDIX System — R3.2 Screens Reference</i> , 585-300-212 <i>Switch Administration for the DEFINITY AUDIX System</i> , 585-300-509 <i>AUDIX Administration and Data Acquisition Package</i> , 585-302-502	

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Table 4-1. System Software Upgrade — Continued

Task	Party	Requirements	Date Complete
Digital Networking Design	AE/Customer ☺	<p><i>For design support, complete Form 1154 in Appendix H.</i></p> <p><i>For additional information, reference the DEFINITY AUDIX System — System Description, 585-300-205 and the DEFINITY AUDIX System — Digital Networking, 585-300-534</i></p>	
Provide digital networking spec to Installer/PM	Design Center		
INSTALL HARDWARE	Installer	<p>Receive and install hardware i.e. ALB,disk,tape and MFB.</p> <p><i>See DEFINITY AUDIX System — Installation and Upgrade, 585-300-118 for details.</i></p>	

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Table 4-1. System Software Upgrade — Continued

Task	Party	Requirements	Date Complete
Preparing for the Upgrade			
Update Software/Station Reviews	PM/Customer	This step may apply for an upgrade that contains new or updated features.	
		Use the worksheets in Appendix B, "Switch Administration Worksheets", Appendix C, "DEFINITY AUDIX System Administration Worksheets", and Appendix D, "Optional Features Worksheets", to determine how the customer would like the PBX and the DEFINITY AUDIX System administered during initial administration. See <i>DEFINITY AUDIX System — Installation and Upgrade</i> , 585-300-118 for details on initial administration.	
Receive Equipment	Customer	Receive the DEFINITY AUDIX software upgrade.	
Upgrading the System			
Install the Software	Installer	Install the DEFINITY AUDIX software upgrade. Follow the upgrade instructions in <i>DEFINITY AUDIX System — Installation and Upgrade</i> , 585-300-118.	
Update Switch Administration	Per signed contract	This step may apply for a software upgrade.	
		Use the worksheets from Appendix B, "Switch Administration Worksheets" that the AE or software specialist/software administrator and the customer completed, and the instructions in <i>Switch Administration for DEFINITY AUDIX System</i> , 585-300-509 to update the switch administration.	

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Table 4-1. System Software Upgrade — Continued

Task	Party	Requirements	Date Complete
Update AUDIX Administration	Installer	This step may apply for a software upgrade.	
		Use the worksheets from Appendix C, "DEFINITY AUDIX System Administration Worksheets" that the AE or the software specialist/software administrator and the customer completed, and the instructions in <i>DEFINITY AUDIX System — Installation and Upgrade</i> , 585-300-118 to update the DEFINITY AUDIX System administration. Tasks to be performed are: activating separately purchasable features, performing initial AUDIX administration, administering AUDIX features, and administering subscribers.	
Activate Customer Options	Installer	This step may apply for a software upgrade.	
		Use "Worksheet C-1: Activate Customer Options" to check the port activation, the switch connection and port emulation types, the AMIS Analog and Digital Networking and Multilingual options, and the maximum number of Intuity™ Message Manager login sessions. If necessary, change the settings for these features on the SYSTEM-PARAMETERS CUSTOMER OPTIONS screen, as described in Chapter 3 of <i>DEFINITY AUDIX System — Installation and Upgrade</i> , 585-300-118.	

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Table 4-1. System Software Upgrade — Continued

Task	Party	Requirements	Date Complete
Activate Server Hardware (LAN) Options	Installer	Use “Worksheet C-2: Activate IMAPI for the AUDIX Server Hardware (LAN) Options” to check connection of the system to the LAN and activation of IMAPI for Intuity Message Manager.	
Test the DEFINITY AUDIX Features	Installer	Test the DEFINITY AUDIX features. For detailed instructions, see <i>DEFINITY AUDIX System — Installation and Upgrade</i> , 585-300-118.	
Notify INADS of Upgrade	RSC/Installer	Notify the RSC that the customer's DEFINITY AUDIX System has been upgraded.	
Update Customer Administration	Customer	This step may apply for a software upgrade.	
		Install the AUDIX Administration and Data Acquisition Package (ADAP), if desired. See <i>AUDIX Administration and Data Acquisition Package</i> , 585-302-502.	
		Administer and record automated attendant(s), if desired. See <i>DEFINITY AUDIX System — Administration</i> , 585-300-507 for complete instructions.	
		Record and administer customized announcements, if desired. See <i>DEFINITY AUDIX System — Administration</i> , 585-300-507 for complete instructions.	
		Identify primary and secondary language announcement sets, if desired. See <i>DEFINITY AUDIX System — Administration</i> , 585-300-507 for complete instructions.	

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Table 4-1. System Software Upgrade — *Continued*

Task	Party	Requirements	Date Complete
		Add new language sets to system, if ordered. See the Upgrade section in <i>DEFINITY AUDIX System — Installation and Upgrade</i> , 585-300-118 for this procedure.	
		Administer any other optional features desired. See Appendix D, “Optional Features Worksheets” for more information and worksheets for optional features.	
		The customer should then test any features administered in this step.	

Table 5-1, System Move, is a checklist that summarizes the tasks required for planning and implementing a DEFINITY AUDIX System move — that is, when the customer wants to move the DEFINITY AUDIX System from one PBX to another PBX, or to a different set of slots in the same PBX. The checklist is designed to help all parties involved in implementing a DEFINITY AUDIX configuration to coordinate their activities. Where appropriate, tasks refer to documents that contain more detailed instructions or information.

Table 5-1, System Move, is a checklist is designed to be used in conjunction with the AUDIX Streamlined Implementation process flow.

For more detailed information on DEFINITY AUDIX implementation, consult the binders produced for AUDIX Streamlined Implementation. These binders should be in each AT&T branch office.

Table 5-1. System Move

Task	Party	Requirements	Date Complete
<p>Performing Assessment/ Contract Tasks</p> <p>Determine DEFINITY AUDIX Location</p>	AE	<p>See <i>DEFINITY AUDIX System — System Description</i>, 585-300-205 for detailed information about environmental considerations.</p> <p>Determine if existing system is using digital networking.</p> <p>If high-speed networking is involved, verify that the new location has some facilities available.</p> <p>If low-speed networking is involved, verify that there are analog ports and digital and/or EIA data ports.</p> <p>Verify that the switch and switch software load can accommodate the DEFINITY AUDIX System. See Table 1-1, Switches and Switch-Software Versions Compatible with the DEFINITY AUDIX System, in Chapter 1, <i>Overview</i>, for a list of compatible switches and switch software loads.</p> <p>Complete the worksheets in Appendix A, “PBX Carrier Configuration Worksheets”, to find five contiguous slots into which the DEFINITY AUDIX System can be installed (four slots in the G3vs switch). Give completed worksheets to the project manager.</p>	
Perform Site Survey	PM	Using the information in Appendix A, “PBX Carrier Configuration Worksheets”, make certain there are enough contiguous slots available in a carrier that are suitable for the DEFINITY AUDIX System.	

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Table 5-1. System Move — Continued

Task	Party	Requirements	Date Complete
Review Equipment Room Requirements	PM/AE	Review equipment room environmental requirements with customer and obtain customer signature.	
Preparing for Installation Order Switch Carrier Reconfiguration	PM	Place an order for switch carrier reconfiguration, if required. Any switch carrier reconfiguration should be completed before MOJ of the DEFINITY AUDIX hardware. Verify that the switch and switch software load can accommodate the DEFINITY AUDIX System. See Table 1-1, Switches and Switch-Software Versions Compatible with the DEFINITY AUDIX System, in Chapter 1, <i>Overview</i> , for a list of compatible switches and switch software loads. For digital networking information, see <i>DEFINITY AUDIX System — Digital Networking, 585-300-534</i> .	

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Table 5-1. System Move — Continued

Task	Party	Requirements	Date Complete
Update Software/Station Reviews	software specialist/Customer	<p>This step may apply if the extensions administered for DEFINITY AUDIX coverage are changed.</p> <p>Using the worksheets in Appendix B, “Switch Administration Worksheets”; Appendix C, “DEFINITY AUDIX System Administration Worksheets” and Appendix D, “Optional Features Worksheets”, determine how the customer would like the PBX and the DEFINITY AUDIX System administered during initial administration.</p> <p><i>See DEFINITY AUDIX System — Installation, 585-300-118, Switch Administration for the DEFINITY AUDIX System, 585-300-509, and DEFINITY AUDIX System — Administration, 585-300-507 for complete information on translations and administration.</i></p>	
Remove Switch Translations	Installer	Remove any translations for circuit packs to be moved to reconfigure carrier. For detailed information on using PBX screens, see the implementation manual appropriate for the customer’s PBX.	

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Table 5-1. System Move — Continued

Task	Party	Requirements	Date Complete
<p>Installing the System</p> <p>Reconfigure Switch Carrier</p>	Installer	<p>Refer to “Worksheet A-1: Port Slot Assignments (Before Carrier Rearrangement)” and “Worksheet A-2: Port Slot Assignments (For Carrier Rearrangement)”, to see which circuit packs are to be moved. Perform remove and add functions to move the circuit packs. For detailed information on using PBX screens, see the implementation manual appropriate for the customer’s PBX.</p> <p>Remove the DEFINITY AUDIX System from the port slots in which it is currently installed and move cables as required. Then, install the DEFINITY AUDIX hardware in the new slots. Rewire cables and cross-connect field, as required.</p>	
Check the Customer Site	PM	Verify that the carrier circuit pack reconfiguration is complete (if reconfiguration was required). Make certain the customer has done everything they agreed to do.	
Administer Moved Circuit Packs	Installer	Administer switch translations for any circuit packs the installer moved (including the DEFINITY AUDIX System). Test the switch for the new physical arrangement of the circuit packs and for proper administration. For detailed information on using PBX screens, see the implementation manual appropriate for the customer’s PBX.	

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Table 5-1. System Move — Continued

Task	Party	Requirements	Date Complete
Update Switch Administration	Per signed contract	<p>This step may apply for a DEFINITY AUDIX System move.</p> <p>Use the worksheets from Appendix B, “Switch Administration Worksheets”, that the AE or software specialist/software administrator and the customer completed, and the instructions in <i>Switch Administration for the DEFINITY AUDIX System</i>, 585-300-509 to update the switch administration.</p>	
Update AUDIX Administration	Installer	<p>This step may apply for a DEFINITY AUDIX System move.</p> <p>Use the worksheets from Appendix C, “DEFINITY AUDIX System Administration Worksheets” that the customer completed, and the instructions in <i>DEFINITY AUDIX System — Installation</i>, 585-300-118 to update the DEFINITY AUDIX System administration. Tasks to be performed are: activating separately purchasable features, performing initial AUDIX administration, administering AUDIX features, and administering subscribers.</p>	
Activate Customer Options	Installer	<p>Use “Worksheet C-1: Activate Customer Options” to check the port activation, the switch and port connection types, the digital options, the AMIS Analog and Digital Networking and Multilingual options, and the maximum number of Intuity™ Message Manager login sessions. If necessary, change the settings for these features on the SYSTEM-PARAMETERS CUSTOMER OPTIONS screen, as described in Chapter 3 of <i>DEFINITY AUDIX System — Installation</i>, 585-300-118.</p>	

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Table 5-1. System Move — Continued

Task	Party	Requirements	Date Complete
Activate server hardware (LAN) options	Installer	Use “Worksheet C-2: Activate IMAPI for the AUDIX Server Hardware (LAN) Options” to check connection of the system to the LAN and activation of Intuity Message Manager.	
Add new language sets to system, if ordered.	Installer	See Appendix B in <i>DEFINITY AUDIX System — Installation</i> , 585-300-118.	
Test the hardware	Installer	Test the DEFINITY AUDIX hardware. See <i>DEFINITY AUDIX System — Installation</i> , 585-300-118 for detailed instructions.	
Test the DEFINITY AUDIX Features	Installer	Test the DEFINITY AUDIX features. For detailed instructions, see <i>DEFINITY AUDIX System — Installation</i> , 585-300-118.	

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Table 5-1. System Move — Continued

Task	Party	Requirements	Date Complete
Notify INADS of System Move	Installer	Notify the INADS Administrator of the new location for the customer's DEFINITY AUDIX System.	
Update Customer Administration	Customer	<p>This step may apply for a DEFINITY AUDIX System move.</p> <p>Install the AUDIX Administration and Data Acquisition Package (ADAP), if desired. See <i>AUDIX Administration and Data Acquisition Package</i>, 585-302-502.</p> <p>Administer and record automated attendant(s), if desired. See <i>DEFINITY AUDIX System — Administration</i>, 585-300-507 for complete instructions.</p> <p>Record and administer customized announcements, if desired. See <i>DEFINITY AUDIX System — Administration</i>, 585-300-507 for complete instructions.</p> <p>The customer should then test any features they chose to administer in this step.</p>	

PBX Carrier Configuration Worksheets



To install a DEFINITY AUDIX System in a System 75 R1V3, System 75 XE, DEFINITY Communications system Generic 1 (G1), or DEFINITY communications system Generic 3 (G3) at the customer site, the PBX must have five¹ contiguous port slots available in a carrier. If the PBX does not have five contiguous port slots available, the system will have to be rearranged or a new carrier purchased..

 **CAUTION:**

The DEFINITY AUDIX System assembly cannot be installed in Carrier C of any multi carrier cabinet because of lack of air flow.

There are port slot limitations that must be considered if you are installing the DEFINITY AUDIX System in a System 75 XE or in a single-carrier cabinet of a DEFINITY G1, G3i, G3s, or G3r. See the appropriate PBX worksheets on the following pages for more detailed information about where the DEFINITY AUDIX System can be installed.

 **NOTE:**

Verify that the switch and switch software load can accommodate the DEFINITY AUDIX System. See Table 1-1, Switches and Switch-Software Versions Compatible with the DEFINITY AUDIX System, in Chapter 1, *Overview*, for a list of compatible switches and switch software loads.

1. For the G3vs switch, the DEFINITY AUDIX System must be installed in slots 7 – 10. (Only four slots are needed in this switch.)

Whoever is assigned the task of reconfiguring the circuit packs should complete the following steps:

1. Using the information on the following pages, determine which PBX and cabinet configuration the customer has.
2. Complete "Worksheet A-1: Port Slot Assignments (Before Carrier Rearrangement)". In the first row, indicate the function of the carrier, such as port carrier or control carrier (see Figures A-1 through A-4). In the remaining rows, write the circuit pack *currently* occupying the indicated port slot. The total number of port slots depends on the type of PBX and function of the carrier.
3. Use the information on the following pages to determine in which carrier the DEFINITY AUDIX System can be installed. Then, using the carrier configuration rules in the correct document for the customer's PBX, determine how five contiguous port slots can be obtained for the DEFINITY AUDIX System.
 - For System 75, R1V3, use *AT&T System 75 Reference Manual, System Description*, 555-200-200, Issue 3 or later
 - For System 75 G1, and G3V1, use *DEFINITY Communications System Generic 1 and System 75 Feature Description*, 555-200-201 and *DEFINITY 75/85 Communications System Generic 1.1 Implementation*, 555-204-654
 - For System 75 XE, use *AT&T System 75 XE System Description*, 555-201-200, Issue 1 or later
 - For DEFINITY Generic 1 or Generic 3, use *DEFINITY® Communications System Generic 1 and Generic 3 System Description and Specifications*, 555-230-200, Issue 1
 - For G3V2, G3V3, and G3V4 and higher, use *DEFINITY Communications System Generic 3 System Description and Specifications*, 555-230-201, Issue 2, March 1994; *DEFINITY Communications System Generic 3 System Description and Specifications Addendum*, 555-230-206ADD1, April 1994; *DEFINITY Communications System Generic 3 System Description and Specifications*, Issue 3, 555-230-206.

In reconfiguring the circuit packs use the following guidelines:

- Move as few packs as possible; look for a carrier that has four, three, or two contiguous available port slots.
- Consider costs of testing once the carrier has been rearranged (for example, tie trunks and DS1 packs are more expensive to test than some other types of circuit packs).

- Keep in mind the ease with which circuit packs can be moved. Circuit packs are listed below in order of easiest to most difficult to move:
 - Analog packs: stations, CO, WATS, DID, and AUX
 - Hybrid packs
 - Digital packs (consider avoiding packs associated with any of the following: data sets with many feature buttons, console, data lines, emergency transfer line, CEO's line, speech synthesizers, announcements)
 - BRI packs
 - Tone generator packs
 - Tie packs
 - DS1 packs
 - Pooled modem packs
 - Stratum III clock
 - ASAI-related changes
 - ISDN packs
- 4. Complete "Worksheet A-2: Port Slot Assignments (For Carrier Rearrangement)", to show which five² contiguous slots the DEFINITY AUDIX System will use and where the other circuit packs should be placed. Give the completed Worksheet A-2 to the technician who will rearrange the carrier circuit packs.

System 75 R1V3

For a System 75 R1V3 PBX, the rules for carrier preferences are as follows:

 **CAUTION:**

The position of carrier C (the furthest from the fans) in a medium cabinet does not permit sufficient air circulation for proper cooling of the DEFINITY AUDIX System. Therefore, the DEFINITY AUDIX System should not be installed in carrier C of a medium cabinet system under any circumstances.

- If the DEFINITY AUDIX System is to be installed in a System 75 R1V3 small cabinet, it should be installed in the control carrier (carrier A) if possible. If it cannot be installed in the control carrier, use carrier B.

-
2. For the G3vs switch, the DEFINITY AUDIX System must be installed in slots 7 – 10. (Only four slots are needed in this switch.)

- If the DEFINITY AUDIX System is to be installed in a System 75 R1V3 medium cabinet, it should be installed in the control carrier (carrier A) if possible. If it cannot be installed in the control carrier, use carrier B, D, or E.

⇒ NOTE:

If the System 75 is not in a climate-controlled environment, the DEFINITY AUDIX System should be installed in a carrier as close to the fans as possible — for example, carrier A or D.

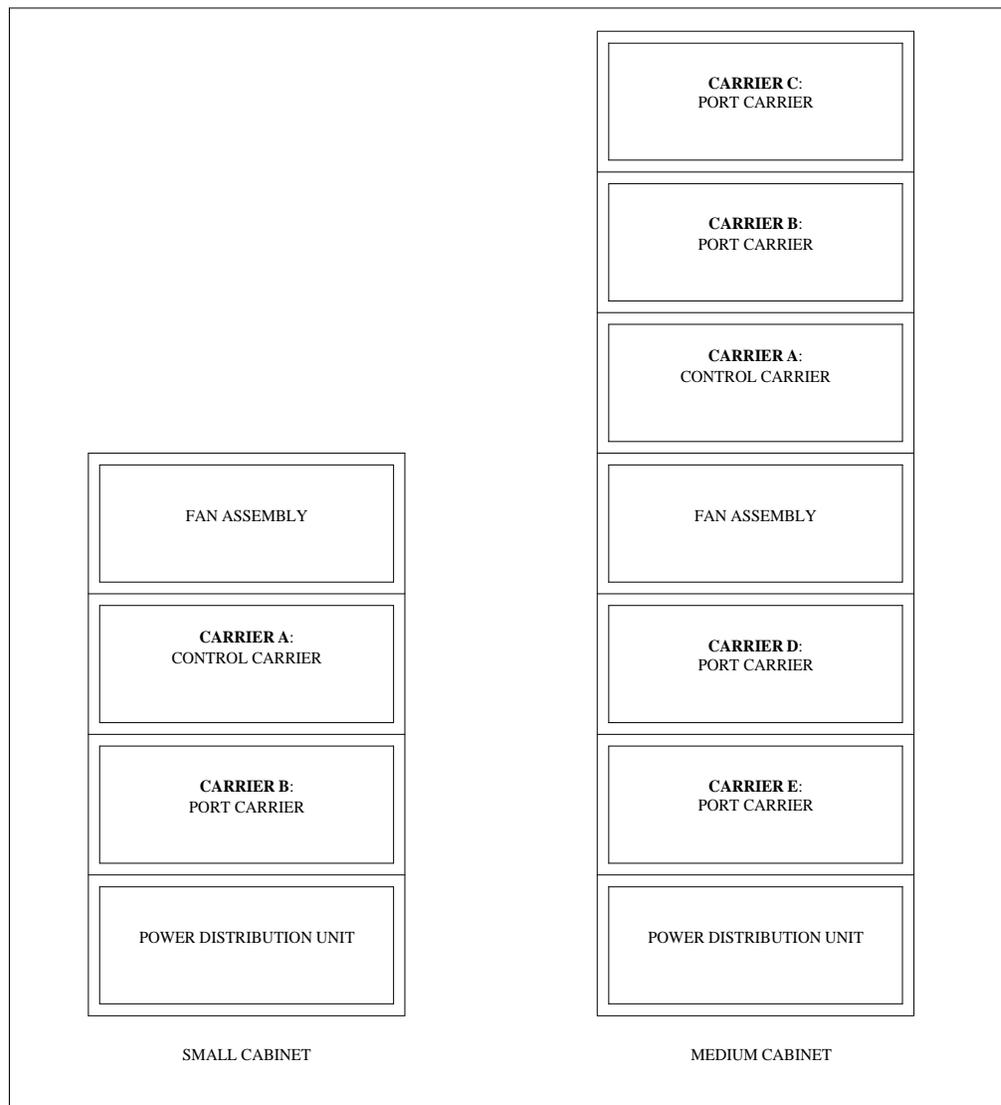


Figure A-1. System 75 R1V3 Fully Equipped Systems

System 75 XE and DEFINITY G1, G3i, and G3r Single-Carrier Cabinet Systems

If the DEFINITY AUDIX System is to be installed in a System 75 XE or in a single-carrier cabinet of a G1, G3i, or G3r, it is preferable to have the DEFINITY AUDIX System in the processor port network (PPN). However, if five contiguous port slots cannot be obtained in the PPN, the DEFINITY AUDIX System can be installed in an expansion port network (EPN). The rules for configuration preferences are as follows.

- If the DEFINITY AUDIX System is to be installed in the PPN:
 - The assembly should be installed in a control cabinet (position A, or position B in a duplicated system) if possible; in this case the assembly can be installed in any five contiguous port slots.
 - If the assembly cannot be installed in a control cabinet, it can be installed in any other port cabinet, but it *must not* occupy the first four slots. In this case the DEFINITY AUDIX System assembly must be installed in five contiguous port slots starting with slot 5 or higher — for example, slots 5, 6, 7, 8, and 9, or higher.
- If the DEFINITY AUDIX System is to be installed in an EPN:
 - The assembly should be installed in the expansion control cabinet (position A) if possible, but it *must not* occupy the first three slots. In this case the DEFINITY AUDIX System assembly must be installed in five contiguous port slots starting with slot 4 or higher — for example, slots 4, 5, 6, 7, and 8, or higher.
 - If the assembly cannot be installed in the expansion control cabinet it can be installed in any other port cabinet, but it *must not* occupy the first four slots. In this case the DEFINITY AUDIX System assembly must be installed in five contiguous port slots starting with slot 5 or higher — for example, slots 5, 6, 7, 8, and 9, or higher.

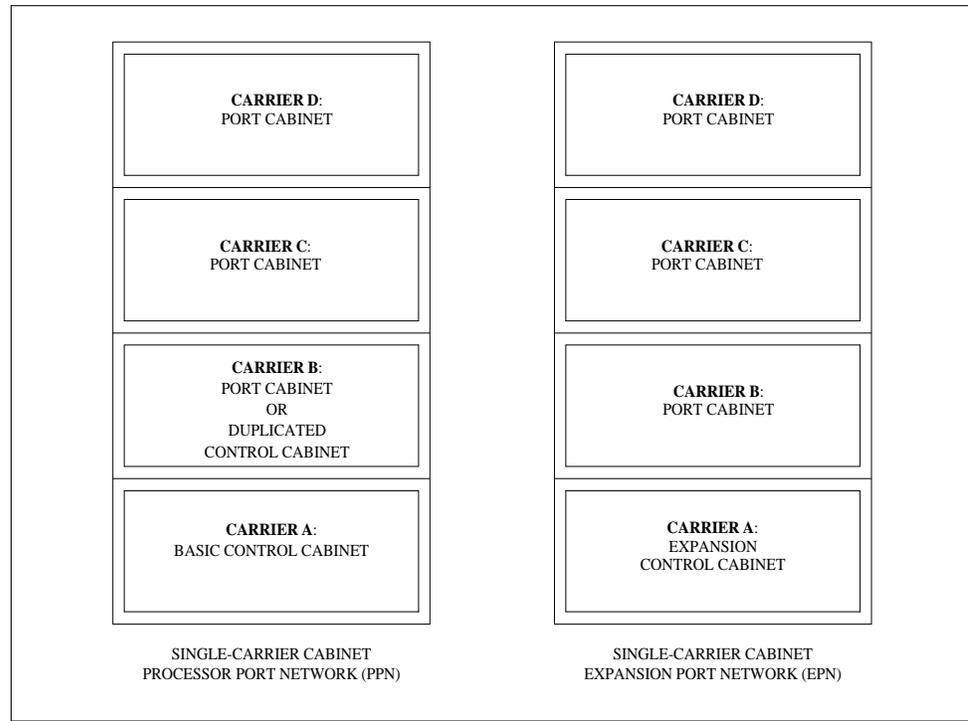


Figure A-2. System 75 XE, DEFINITY G1, G3i, or G3r Fully Equipped Single-Carrier Cabinet Systems

⇒ NOTE:

Each carrier in a single-carrier cabinet system is equipped with a fan.

DEFINITY G3s Single-Carrier Cabinet System

If the DEFINITY AUDIX System is to be installed in a G3s single-carrier cabinet, the following rules for configuration preferences apply:

- The assembly should be installed in the control cabinet (position A) if possible. In this case the DEFINITY AUDIX System assembly can be installed in any five contiguous port slots starting with slot 4 or higher — for example, slots 4, 5, 6, 7, and 8, or higher.

- If the assembly cannot be installed in a control cabinet, it can be installed in any other port cabinet, but it *must not* occupy the first four slots. In this case the DEFINITY AUDIX System assembly must be installed in five contiguous port slots starting with slot 5 or higher — for example, slots 5, 6, 7, 8, and 9, or higher.

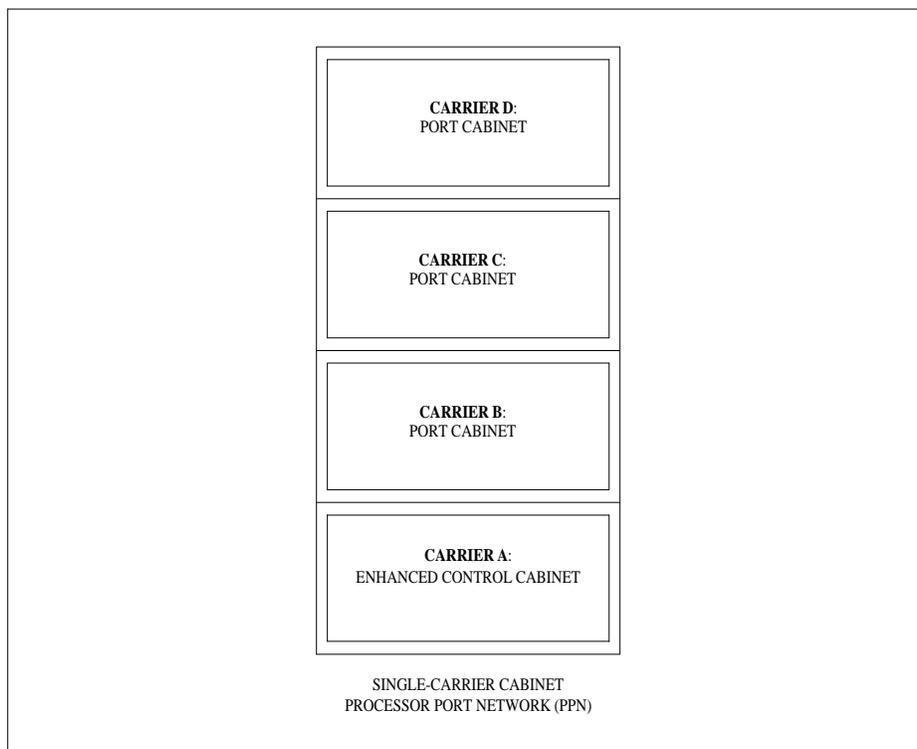


Figure A-3. DEFINITY G3s Fully Equipped Single-Carrier Cabinet Systems

⇒ NOTE:

Each carrier in a single-carrier cabinet system is equipped with a fan.

DEFINITY G3vs Single-Carrier Cabinet System

The G3vs PBX has only a single-carrier cabinet configuration and can accommodate the DEFINITY AUDIX System using only *four* contiguous slots instead of five, as required by other switches.

If the DEFINITY AUDIX System is to be installed in a G3vs, the assembly should be installed in port slots 7, 8, 9, and 10 only.

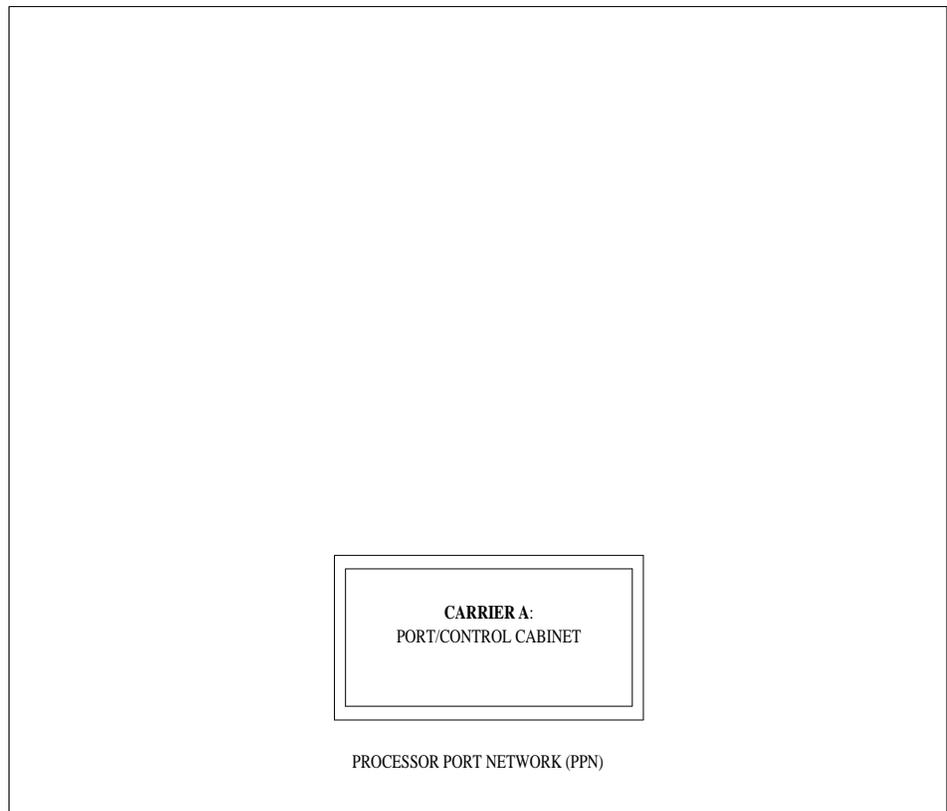


Figure A-4. DEFINTY G3vs Fully Equipped Single-Carrier Cabinet System

DEFINTY G1, and G3i Multicarrier Cabinet Systems

If the DEFINTY AUDIX System is to be installed in a G1 or G3i multi-carrier cabinet, it is preferable to have the DEFINTY AUDIX System in the processor port network (PPN). However, if five contiguous slots cannot be obtained in the PPN, the DEFINTY AUDIX System can be installed in an expansion port network (EPN). The rules for carrier preferences are as follows:

⚠ CAUTION:

The position of carrier C (the furthest from the fans) in a medium cabinet does not permit sufficient air circulation for proper cooling of the DEFINTY AUDIX System. Therefore, the DEFINTY AUDIX System should not be installed in carrier C of a medium cabinet system under any circumstances.

- If the DEFINITY AUDIX System can be installed in the PPN, it should be installed in a control carrier (carrier A, or carrier B in a duplicated system) if possible. If it cannot be installed in a control carrier, the system can be installed in carrier B, D, or E.
- If the DEFINITY AUDIX System is to be installed in an EPN, it should be installed in the expansion control carrier (carrier A) if possible. If it cannot be installed in the expansion control carrier, the system can be installed in carrier B, D, or E.



NOTE:

If the G1 or G3i is not in a climate-controlled environment, the DEFINITY AUDIX System should be installed in a carrier as close to the fans as possible.

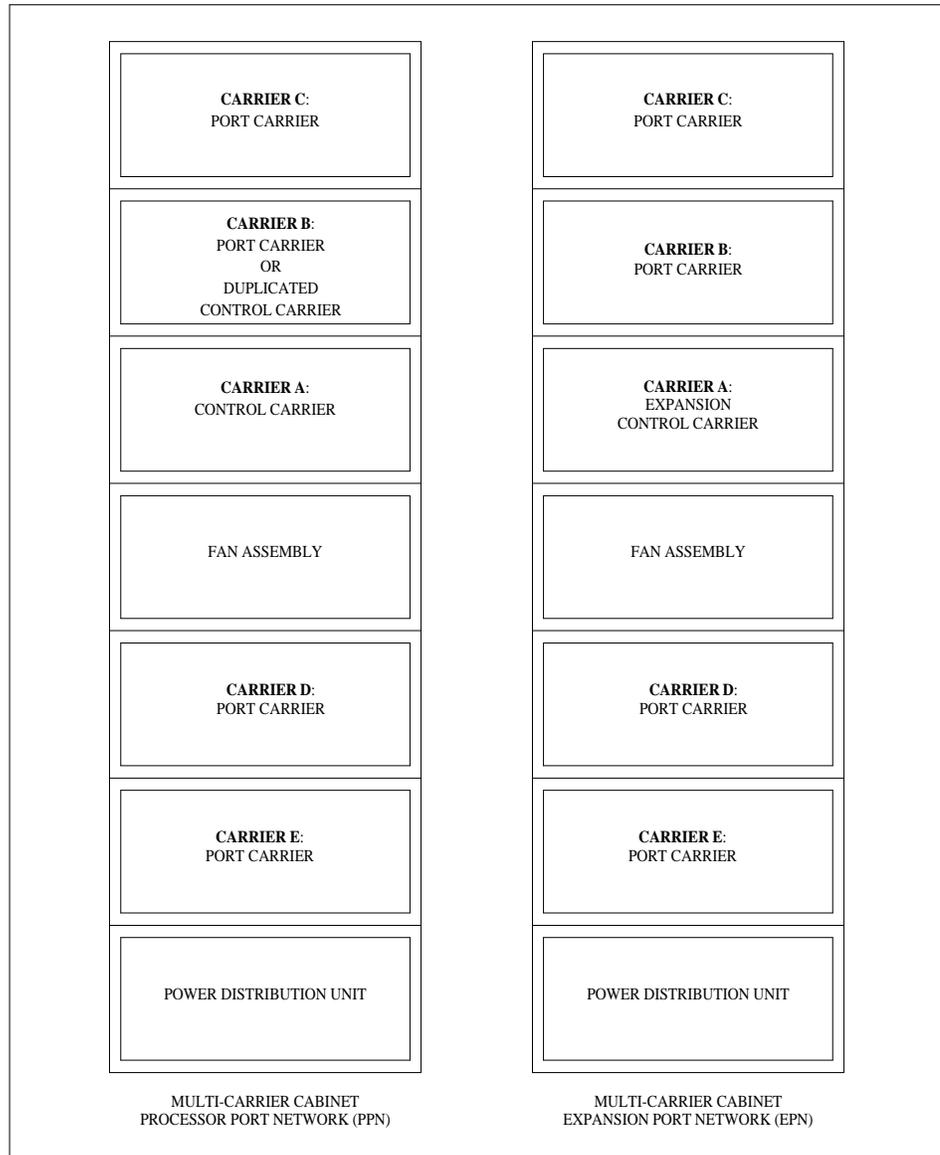


Figure A-5. DEFINITY G1 or G3i Fully Equipped Multicarrier Cabinet Systems

DEFINITY G3r Multicarrier Cabinet Systems

If the DEFINITY AUDIX System is to be installed in a G3r multicarrier cabinet, the DEFINITY AUDIX System *cannot* be installed in a control carrier of the processor port network (PPN). Therefore, it is preferable to install the DEFINITY AUDIX System in an expansion port network (EPN) located in the same room as the PPN, if possible. If five contiguous slots cannot be obtained in an EPN, the DEFINITY AUDIX System can be installed in another carrier of the PPN. The rules for carrier preferences are as follows:

 **CAUTION:**

The position of carrier C (the furthest from the fans) in a medium cabinet does not permit sufficient air circulation for proper cooling of the DEFINITY AUDIX System. Therefore, the DEFINITY AUDIX System should not be installed in carrier C of a medium cabinet system under any circumstances.

- If the DEFINITY AUDIX System can be installed in an EPN, it should be installed in the expansion control carrier (carrier A) if possible. If it cannot be installed in the expansion control carrier, the system can be installed in carrier B, D, or E (if they are port carriers).
- If the DEFINITY AUDIX System is to be installed in the PPN, it should be installed in carrier B (if the system is not duplicated), D, or E.

 **NOTE:**

If the G3r is not in a climate-controlled environment, the DEFINITY AUDIX System should be installed in a carrier as close to the fans as possible.

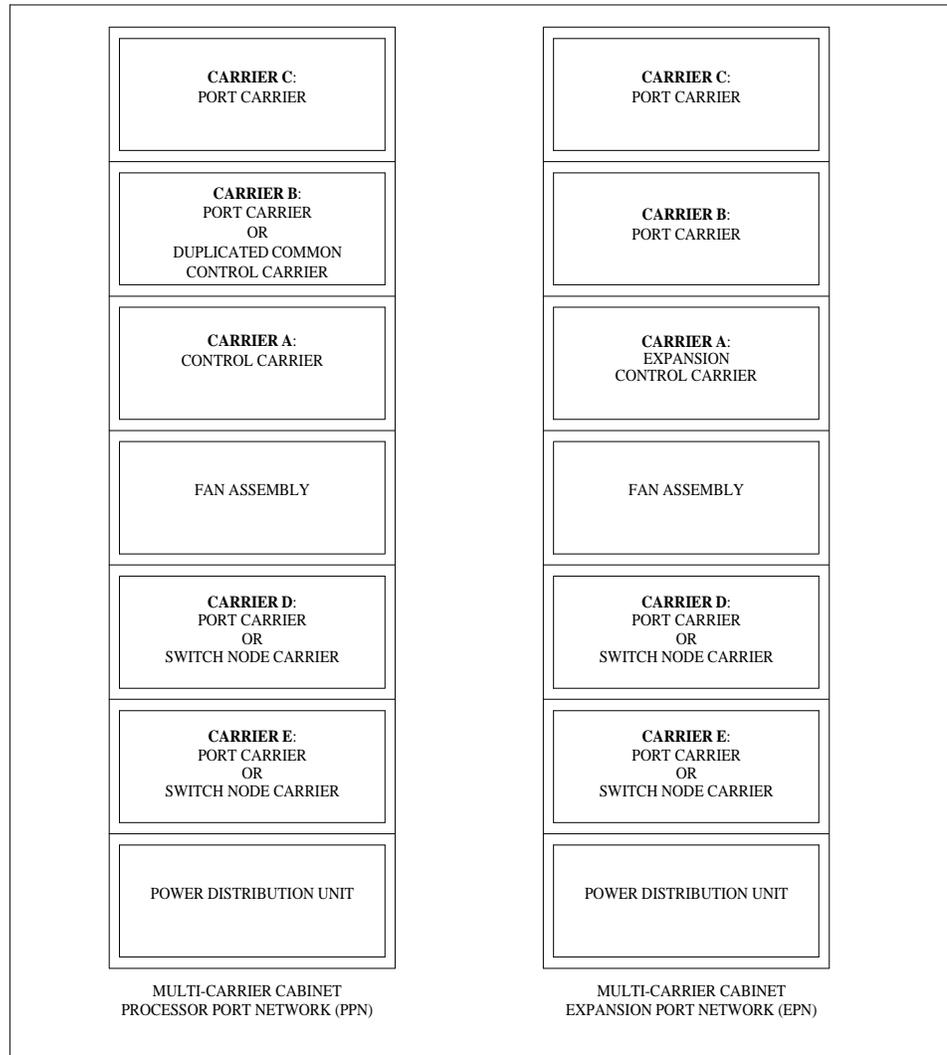


Figure A-6. DEFINITY G3r Fully Equipped Multicarrier Cabinet Systems

Worksheet A-1: Port Slot Assignments (Before Carrier Rearrangement)

Date _____

Prepared By _____

Contact Telephone Number _____

Complete the following worksheet to indicate how circuit packs are currently arranged in the PBX carrier.

On the worksheet, the slots are numbered as seen from the *front* of the carrier, with slot 1 on the far left and slot 20 on the far right. It is not necessary to fill in the worksheet for all existing circuit packs; simply specify the circuit packs that must be moved (if any) in the carrier reconfiguration process.

	CARRIER A	CARRIER B	CARRIER C	CARRIER D	CARRIER E
Carrier Function					
port slot 1					
port slot 2					
port slot 3					
port slot 4					
port slot 5					
port slot 6					
port slot 7					
port slot 8					
port slot 9					
port slot 10					
port slot 11					
port slot 12					
port slot 13					
port slot 14					
port slot 15					
port slot 16					
port slot 17					
port slot 18					
port slot 19					
port slot 20					

Worksheet A-2: Port Slot Assignments (For Carrier Rearrangement)

Date _____
 Prepared By _____
 Contact Telephone Number _____

Complete the following worksheet to indicate how circuit packs should be arranged in the PBX carrier before the DEFINITY AUDIX System is installed. On the worksheet, the slots are numbered as seen from the *front* of the carrier, with slot 1 on the far left and slot 20 on the far right. It is not necessary to fill in the worksheet for all existing circuit packs; simply specify the new positions of circuit packs that must be moved (if any) and then indicate the five slots the DEFINITY AUDIX System is to occupy.

Use the information in this appendix to determine the carrier into which the DEFINITY AUDIX System should be installed.

	CARRIER A	CARRIER B	CARRIER C	CARRIER D	CARRIER E
Carrier Function					
slot 1					
slot 2					
slot 3					
slot 4					
slot 5					
slot 6					
slot 7					
slot 8					
slot 9					
slot 10					
slot 11					
slot 12					
slot 13					
slot 14					
slot 15					
slot 16					
slot 17					
slot 18					
slot 19					
slot 20					

Worksheet A-3: Port Slot Locations for the DEFINITY AUDIX System Assembly

Date _____

Prepared By _____

Contact Telephone Number _____

In the worksheet below, specify the locations of the five (four for a G3vs) contiguous slots into which the DEFINITY AUDIX System assembly is to be installed.

Slot occupied by DEFINITY AUDIX System	Digital Port Equipment Location ¹
first	
second	
third	
fourth	
fifth	

1. For System 75, the equipment location is a 5-character identifier; the first character identifies the carrier, the 2nd and 3rd characters identify the slot number, and the 4th and 5th characters identify the port number. As an example, a valid location for System 75 is B0701: carrier B, slot 07, and port 01. For all other switches, an additional 1 or 2 digits is prepended to the carrier, slot, and port location to identify the cabinet. For example, the location 02B0701 specifies cabinet 02, carrier B, slot 07, port 01.

The five contiguous slots (four slots for a G3vs) are administered with codes or left blank as listed in the following table. The assignments are dependent on the switch type and whether the switch-link is in the Display Set (DS) or Control Link (CL) integration mode.

Switch	(DS) (CL)	Slot 1	Slot 2
S75 or G1	DS	-	-
	CL	-	-
G3iV1, G3s, G3vs ¹ ,	DS	ADXDP	ADXDP ¹ .
G3iV2-Global, G3rV2	CL	ADXCL	ADXCL ¹ .
G3iV1-Global,	DS	AUDIX	AUDIX
G3rV1	CL	-	-

1. In a G3vs switch, DEFINITY AUDIX occupies four slots. The fifth slot is not assigned.

Worksheet A-4: Control Link Cable-Connection Configuration

Date _____
 Prepared By _____
 Contact Telephone Number _____

This worksheet is required if the DEFINITY AUDIX System is to be run in the CL integration mode. Complete the following worksheet to indicate how the control link cable is to be connected to the PBX carrier.

Fill in one of the three columns corresponding to the type of control link connection to the switch that will be installed. For each equipment item, indicate the number needed; or, enter the length or type needed if applicable.

Connect To:	Digital Line Interface TN 754	PI/ Direct Connect	Processor Interface with IDI	Packet Gateway (G3r Only)
Carrier [A-E]				
Group 311 cable from Port B [#ft]		NA	NA	
MPDM [#]		NA	NA	
D8W-87 cable [#ft]		NA	NA	NA
103A Jack [#]		NA	NA	
25-pin cable [#ft]		NA	NA	
H600-406(G_) cable [#ft] (Synch null modem cable)	NA		NA	NA
IDI [#]	NA	NA		
DSU	NA	NA	NA	
H600-405 cable [#ft]	NA	NA		NA
H600-210 cable [#ft]	NA	NA		NA
H600-347 cable [#ft]	NA	NA	NA	
BX.25 cable [#]	NA	NA	NA	

To a software associate/software specialist.

Before you can perform initial switch administration, you need to obtain certain information from the customer. This appendix has worksheets that you and the customer should complete *before* installation. The worksheets include information necessary for required switch administration and any optional switch features the customer would like to use.

These tasks are described in detail in *Switch Administration for the DEFINITY AUDIX System*, 585-300-509.

Worksheets are included for the following tasks:

- Administer the voice ports as stations (DP emulation)
- Assign the hunt group
- Assign the call coverage group for voice ports-Digital port emulation/Display set integration (DP/DS)
- Assign the call coverage path for subscribers (DP/DS)
- Administer the voice ports as stations
- Define the hunt group
- Assign the hunt group (CL integration)
- Assign the data link (CL integration)
- Assign the data link-Control link (CL) integration)
- Processor channel assignment DCS BX.25 signaling (Remote non-G3r)
- Processor channel assignment DCS BX.25 signaling (Remote G3r)
- Hop channel assignment

- Assign remote switch hunt group (DCS)
- Assign the call coverage path for DCS remote switch
- Processor channel assignment (host) ISDN Gateway (non G3r)
- Processor channel assignment (host) ISDN Gateway (G3r)
- ISDN signaling group (host)
- Signalling group (remote)
- ISDN RSC gateway
- Administer digital networking ports
- Administer 7400A data module or ADU
- Assign a hunt group for the digital networking ports
- Administer a modem
- Assign the hunt group for data modules, ADUs, and modems

Since some of the information needed for these tasks depends on whether the DEFINITY AUDIX System is using digital port emulation or analog port emulation, a separate set of worksheets is included for each. If the DEFINITY AUDIX System is running in CL integration in a DCS environment, additional worksheets are needed.

If the DEFINITY AUDIX System is using digital port emulation, complete Worksheets B-1 through B-4.
--

If the DEFINITY AUDIX System is using analog port emulation, complete Worksheets B-5 through B-8.

If the DEFINITY AUDIX System is running in CL integration in a DCS environment, complete the appropriate Worksheets B-9 through B-20 in addition to Worksheets B-5 through B-8.

If the DEFINITY AUDIX System is using display set integration, complete Worksheets B-16 through B-20.

In this appendix, the following convention applies for values listed in the second column of the worksheets:

[values in brackets]; are recommended

values in bold type; are required

In cases when the DEFINITY AUDIX R3.2 System digital port (DP) emulation includes display set (DS) integration, it is shown as DP/DS.

Worksheet B-1: Administer the Voice Ports as Stations (DP Emulation)

Date _____
 Prepared By _____
 Contact Telephone Number _____

The information in the following tables is required for administering the DEFINITY AUDIX voice ports on the switch. For more information on these fields, see *Switch Administration for LTM DEFINITY AUDIX System*, 585-300-509.

⇒ NOTE:

All digital ports must be administered on the switch and on the DEFINITY AUDIX System regardless of how many ports the customer purchased. However, only the number of ports actually purchased are administered in the hunt group.

Extension Complete next table.	See next table
Type	7405D (S75, G1) 7405D (S75, G1, G3rV1) ADXCL (G3iV1, G3iV2, G3iV3, G3sV1, G3sV2, G3sV3, G3vsV1, G3vsV2, G3vsV3, G3rV2, G3rV3)
DP	7405D (S75, G1) ADX16D (G3iV4, G3sV4, G3vsV4, G3rV4) ADX8D (G3iV4, G3sV4, G3vsV4, G3rV4) ADXDP (G3iV1, G3iV2, G3iV3, G3sV1, G3sV2, G3sV3, G3vsV1, G3vsV2, G3vsV3, G3rV2, G3rV3) AUDIX (G3rV1)
Port Complete next table.	See next table
Name Complete next table.	See next table
Lock Messages	n
Security Code	leave blank
Coverage Path Enter the number you wish to identify the coverage path for voice ports. This coverage path should cover all calls to the DEFINITY AUDIX hunt group.	

COR	
To prevent toll fraud, AT&T recommends that you select a COR for voice ports such that subscribers can only call other numbers with the <i>same</i> COR. If, after careful consideration, you find that subscribers do need to be able to call numbers with different CORs, add permissions for these (one at a time) as required. (The AMIS Analog Networking, Digital Networking, Message Delivery, and Outcalling features require that subscribers be able to access outside lines.) See <i>DEFINITY AUDIX System — Administration</i> , 585-300-507 for more information on preventing toll fraud.	
COS	
Select a COS for the voice ports that permits the Call Forwarding all Calls and the Data Privacy features to be activated; AT&T recommends that the COS permit <i>only</i> these features to be activated.	
LWC Reception	msa-spe (G1, G3i, G3s, and G3vs) spe (G3r) ap-spe (S75)
LWC Activation	y
SMDR (CDR) Privacy	[n]
Redirect Notification	[n]
Bridged Call Alerting	[n]
Coverage Message Retrieval	[y]
Auto Answer	[n]
Data Restriction	[n]
Idle Appearance Preference	[n]
Restrict Last Appearance	
Complete next table.	See next table
Coverage Module	[n]
Messaging Server Name (G3r only)	leave blank
AUDIX Name (G3r only)	
This name appears on the switch USER-DEFINED ADJUNCT NAMES screen.	
Display Language (G3i-Global only)	English
Feature Module (S75 and G1 only)	[n]
Headset (S75 only)	[n]

Worksheet B-2: Assign the Hunt Group (DP Emulation)

Date _____
 Prepared By _____
 Contact Telephone Number _____

The information in the following tables is required for assigning the hunt group.

Enter the location, name, and extension for each of the voice ports in the worksheets below.

DEFINITY AUDIX Port	Digital Port Equipment Location ¹	Name ²	Extension	Restrict Last Appearance
1		AUDIX 1		n
2		AUDIX 2		n
3		AUDIX 3		n
4		AUDIX 4		n
5		AUDIX 5		n
6		AUDIX 6		n
7		AUDIX TRANSFER		n
8		AUDIX 8		y

-
- For System 75, the equipment location is a 5-character identifier; the first character identifies the carrier, the 2nd and 3rd characters identify the slot number, and the 4th and 5th characters identify the port number. As an example, a valid location for System 75 is **B0701**: carrier B, slot 07, and port 01. For all other switches, an additional 1 or 2 digits is prepended to the carrier, slot, and port location to identify the cabinet. For example, the location **02B0701** specifies cabinet 02, carrier B, slot 07, port 01.
 - These names are recommended. Other names are acceptable but must begin with AUDIX
-

Enter the location, name, and extension for each of the sixteen voice ports in the worksheet below:

Table B-1. G3V4

DEFINITY AUDIX Port	Digital Port Equipment Location	Name	Extension	Restrict Last Appearance
1		AUDIX 1		n
2		AUDIX 2		n
3		AUDIX 3		n
4		AUDIX 4		n
5		AUDIX 5		n
6		AUDIX 6		n
7		AUDIX 7		n
8		AUDIX 8		n
9		AUDIX 9		n
10		AUDIX 10		n
11		AUDIX 11		n
12		AUDIX 12		n
13		AUDIX 13		n
14		AUDIX 14		n
15		AUDIX TRANSFER		n
16		AUDIX 16		y

The following information is required to define a hunt group (containing the voice port members) for the DEFINITY AUDIX System voice ports. Only the number of ports actually purchased should be administered in the hunt group.

Group Number	
Enter the number you would like to have identify the DEFINITY AUDIX hunt group. (This number, preceded by an h , is entered in the voice port COVERAGE PATH screen and in subscriber coverage paths.)	
Group Extension	
Enter the extension number you want subscribers to dial to retrieve their messages from the DEFINITY AUDIX System.	

Worksheet B-2: Assign the Hunt Group (DP Emulation)

Group Type	ucd
Group Name Enter the name you would like to appear on display sets when subscribers call the DEFINITY AUDIX System. ("AUDIX" must be included in the name for G3-MA to recognize this name as the DEFINITY AUDIX hunt group.)	
Message Center	[none]
ACD	n
Queue (y/n)?	[y]
Night Service Destination	[leave blank]
Vector (y/n)? (not available on System 75 and G1) The DEFINITY AUDIX hunt group may be vector-controlled if call vectoring is a feature on the switch.	[n]
Security Code	leave blank
Coverage Path	leave blank
COR Enter the Class of Restriction (COR) you would like assigned to the extension that subscribers will call to reach the DEFINITY AUDIX System. For security reasons, the DEFINITY AUDIX hunt group should be assigned its own COR which has been restricted from accessing all outgoing trunks or only those trunks needed for Outcalling or AMIS Analog and Digital Networking. The default COR is <i>not</i> recommended.	
ISDN Call Disp If ISDN-PRI is enabled, enter grp-name or mbr-name to specify whether the hunt group name or number is sent to the originating subscriber.	
Queue Length A suggested length is the number of configured DEFINITY AUDIX voice ports.	
Calls Warning Threshold	leave blank
Calls Warning Port	leave blank
Time Warning Threshold	leave blank
Time Warning Port	leave blank
AUDIX Extension For System 75 R1V3 only. The host switch (where the DEFINITY AUDIX System is located) AUDIX extension number. This is the number the remote AUDIX users will dial to access the hunt group. Normally this field is left blank for the DEFINITY AUDIX System.	
First Announcement Extension (not applicable for G3r) If you want a switch recorded announcement, enter the extension number here.	
First Announcement Delay - seconds (not applicable for G3r) Optional if the queue is y and must be blank if there is no first announcement.	

Worksheet B-3: Assign the Call Coverage Path for Voice Ports (DP /DS)

Date _____
 Prepared By _____
 Contact Telephone Number _____

The following information is required to define call coverage paths for the DEFINITY AUDIX voice ports.

Coverage Path Number Use the same coverage path number as Worksheet B-1, <i>Administer the Voice Ports as Stations (DP /DS)</i> .	
Coverage Criteria Station/Group Status Active? (Inside Call/Outside Call)	[n/n]
Coverage Criteria Busy? (Inside Call/Outside Call)	[n/n]
Coverage Criteria Don't Answer? (Inside Call/Outside Call)	[n/n]
Coverage Criteria All? (Inside Call/Outside Call)	[y/y]
SAC/Go to Cover? (Inside Call/Outside Call)	[n/n]
Next Path Number If desired, enter the second path to which calls will be directed in case the current path fails.	
Number of Rings	use the default
Coverage Points Point1 h followed by the DEFINITY AUDIX hunt group number from "Worksheet B-2: Assign the Hunt Group (DP Emulation)".	

Worksheet B-4: Assign the Call Coverage Path for Subscribers (DP /DS)

Date _____
 Prepared By _____
 Contact Telephone Number _____

The following information is required to define call coverage paths for subscribers. Complete a copy of this worksheet for each different coverage path.

Coverage Path Number Enter the number you want to identify the call coverage path for subscribers.	
Coverage Criteria Station/Group Status Active? (Inside Call/Outside Call)	[n/n]
Coverage Criteria Busy? (Inside Call/Outside Call)	[y/y]
Coverage Criteria Don't Answer? (Inside Call/Outside Call)	[y/y]
Coverage Criteria All? (Inside Call/Outside Call)	[n/n]
SAC/Go to Cover? (Inside Call/Outside Call)	[y/y]
Next Path Number If desired, enter the second path to which calls will be directed in case the current path fails.	
Number of rings Enter the number of rings (1-99) you would like before a call goes to coverage. Three is recommended.	
Coverage Points For Point1, Point2, or Point3, enter h followed by the DEFINITY AUDIX hunt group number.	

Worksheet B-5: Administer the Voice Ports as Stations (Analog Port Emulation)

Date _____
 Prepared By _____
 Contact Telephone Number _____

The information in the following tables is required for administering the DEFINITY AUDIX voice ports on the switch. For more information on these fields, see *Switch Administration for the DEFINITY AUDIX System*, 585-300-509.

User Defined Adjunct Names (G3r only) Enter the name to be used for the DEFINITY AUDIX System on the USER DEFINED ADJUNCT NAMES screen (up to 7 characters).	
Extension — Complete next table.	See next table
Type	2500 (S75, G1, G3i-Global, G3V1, and G3rV1) ADXCL (G3iV2, G3iV3, G3sV2, G3sV3, , G3vsV2, G3vsV3, G3rV2, G3rV3) ADX16A (G3V4, G3iV4, G3sV4, G3vsV4, G3rV4)
Port — Complete next table.	See next table
Name — Complete next table.	See next table
Lock Messages	[n]
Coverage Path	leave blank
COR To prevent toll fraud, AT&T recommends that you select a COR for voice ports such that subscribers can only call other numbers with the <i>same</i> COR. If, after careful consideration, you find that subscribers do need to be able to call numbers with different CORs, add permissions for these (one at a time) as required. (The AMIS Analog Networking, Digital Networking, Message Delivery, and Outcalling features require that subscribers be able to access outside lines.) See <i>DEFINITY AUDIX System — Administration</i> , 585-300-507 for more information on preventing toll fraud.	

Worksheet B-5: Administer the Voice Ports as Stations
(Analog Port Emulation)

COS Select a COS for the voice ports that permits the Call Forwarding all Calls and the Data Privacy features to be activated; AT&T recommends that the COS permit <i>only</i> these feature to be activated.	
Tests?	[n]
LWC Reception	msa-spe (G1, G3i, G3s, G3vs) spe (G3r) ap-spe (S75)
Headset (<i>System 75 and G1 only</i>)	[n]
LWC Activation	[n]
SMDR (CDR) Privacy (<i>not available on System 75 & G1</i>)	[n]
Redirect Notification	[n]
Off Premise Station	[n]
Coverage Message Retrieval	[n]
Auto Answer	[n]
Data Restriction	[n]
Call Waiting Indication	[n]
Att. Call Waiting Indication (<i>not available on System 75 & G1</i>)	[n]
Distinctive Audible Alert	[n]
Message Waiting Indicator	leave blank
Adjunct Supervision (<i>G3i/s only</i>)	[n]
R Balance Network (<i>not available on System 75 & G1</i>)	[n]
Switchhook Flash	[n]
AUDIX Name (<i>G3r only</i>)	leave blank
Message Server Name (<i>G3r only</i>)	leave blank
Audible Message Waiting (<i>G3r only</i>)	[n]

Worksheet B-6: Define the Hunt Group

Enter the location, name, and extension for each of the purchased (maximum of 16) voice-ports in the worksheet below.

DEFINITY AUDIX Port	Analog Port Equipment Location ¹	Name ²	Extension
1		AUDIX 1	
2		AUDIX 2	
3		AUDIX 3	
4		AUDIX 4	
5		AUDIX 5	
6		AUDIX 6	
7		AUDIX 7	
8		AUDIX 8	
9		AUDIX 9	
10		AUDIX 10	
11		AUDIX 11	
12		AUDIX 12	
13		AUDIX 13	
14		AUDIX 14	
15		AUDIX 15	
16		AUDIX 16	

- * For System 75, the equipment location is a 5-character identifier; the first character identifies the carrier, the 2nd and 3rd characters identify the slot number, and the 4th and 5th characters identify the port number. As an example, a valid location for System 75 is **B0701**: carrier B, slot 07, and port 01. For all other switches, an additional 1 or 2 digits is prepended to the carrier, slot, and port location to identify the cabinet. For example, the location **02B0701** specifies cabinet 02, carrier B, slot 07, port 01.
- These are the recommended names.

Worksheet B-7: Assign the Hunt Group Analog Port Emulation (CL Integration)

Date _____
 Prepared By _____
 Contact Telephone Number _____

The following information is required to define a hunt group (containing the voice port members) for the DEFINITY AUDIX System voice ports. Only the number of ports actually purchased should be administered in the hunt group.

Group Number Enter the number you would like to use to identify the DEFINITY AUDIX hunt group. (This number, preceded by an h, is entered in the voice port COVERAGE PATH screen and in subscriber coverage paths.)	
Group Extension Enter the extension number you want subscribers to dial to retrieve their messages from the DEFINITY AUDIX System.	
Group Type	ucd
Group Name Enter the name you would like to appear on display sets when subscribers call the DEFINITY AUDIX System. ("AUDIX" must be included in the name for G3-MA to recognize the name as a DEFINITY AUDIX group.)	
Message Center	[audix]
ACD	n
Queue	[y]
Night Service Destination	[leave blank]
Vector (y/n)? The DEFINITY AUDIX hunt group may be vector-controlled if call vectoring is a feature on the switch.	[n]
Security Code	leave blank
Coverage Path	blank
COR Enter the Class of Restriction (COR) you would like assigned to the extension that subscribers will call to reach the DEFINITY AUDIX System. For security reasons, the AUDIX hunt group should be assigned its own COR which has been restricted from accessing all outgoing trunks or only those trunks needed for Outcalling or AMIS Analog and Digital Networking. The default COR is <i>not</i> recommended.	
ISDN Call Disp (not available on System 75 and G1) If ISDN-PRI is enabled, enter grp-name or mbr-name to specify whether the hunt group name or number is sent to the originating subscriber.	

<p>AUDIX Extension (<i>System 75 R1V3 only</i>)</p> <p>The host switch (where the DEFINITY AUDIX System is located) DEFINITY AUDIX extension number. This is the number the remote DEFINITY AUDIX users will dial to access the hunt group. Normally this field is left blank for the DEFINITY AUDIX System.</p>	
<p>Queue Length</p> <p>A suggested length is the number of configured DEFINITY AUDIX voice ports.</p>	
<p>Calls Warning Threshold</p>	<p>leave blank</p>
<p>Calls Warning Port</p>	<p>leave blank</p>
<p>Time Warning Threshold</p>	<p>leave blank</p>
<p>Time Warning Port</p>	<p>leave blank</p>
<p>First Announcement Extension (<i>n/a for G3r</i>)</p> <p>If you want a switch-recorded announcement, enter the extension number here.</p>	
<p>First Announcement Delay (<i>sec</i>) (<i>n/a for G3r</i>)</p> <p>Optional if the queue is <i>y</i> — must be blank if there is no first announcement.</p>	

Worksheet B-8: Assign the Data Link (CL Integration for Non-G3r Switches)

For System 75, G1, G3i, G3s, and G3vs Switches

This worksheet applies for non-G3r switches only. If the DEFINITY AUDIX System is to be installed in a DEFINITY Generic 3r switch, skip to Worksheet B-7b.
Only G3V4 and updated G3V2 and G3V3 support enhanced call transfer if using Digital Port emulation and Control Link integration. The transfer is invoked via a message from the AUDIX system to the switch on the control link.

Date _____

Prepared By _____

Contact Telephone Number _____

The information in the following tables is required if an MPDM and a TN754 digital line port are being used to connect the DEFINITY AUDIX System to the switch.

MPDM Data Module

Data Extension	
Type	pdm
Port	
The port location for the TN754 that connects to the MPDM	
Name	
The data extension name for this port that identifies the DEFINITY AUDIX System	[audix]
COS	
COR	
Connected to	dte
Remote Looparound Test	[n]

The information in this section of the worksheet is required to assign the data link for CL integration.

Processor Interface Data Module

Data Extension	
Type	procr-infc (G1, G3i/s) interface (System 75)
Physical Channel	01 if using the EIA port 02-04 if using an MPDM If two PI circuit packs are installed, enter :05 if using the EIA port 06-08 if using an MPDM
Name	[audix]
COS	
COR	
Maintenance Extension	

The information in this section of the worksheet is required to assign the data link for CL integration.

Processor Channel and Interface Link

Processor Channel:	
Processor channel number	[59 if available]
Application	audix
Interface Link Number Must be the same as the physical channel number set on the <i>Processor Interface Data Module</i> worksheet.	
Interface Channel Number This number must match the AUDIX Port Logical Channel field entry on the DEFINITY AUDIX SWITCH-LINK DCIU-SCI screen.	1
Priority	h
Remote Proc Chan This number must match the AUDIX Port Logical Channel field entry on the DEFINITY AUDIX SWITCH-LINK DCIU-SCI screen.	= node number of the switch
Machine-ID This number must match the AUDIX field entry on the DEFINITY AUDIX SWITCH-LINK DCIU-SCI screen.	[1]
Interface Link:	
Link Must be the same as the physical channel number set on the <i>Processor Interface Data Module</i> worksheet.	
Enable	y
Est Conn	y
Prot Protocol type (BX25 or ISDN)	
Destination Digits	enter the MPDM <i>extension</i> if an MPDM is used or eia if an IDI is used
Destination Brd	leave blank
DTE/DCE	dte
Identification	[audix]

Worksheet B-8a: Assign the Data Link (CL Integration for G3r Switches)

For G3r Switches Only

If the DEFINITY AUDIX System will not be installed in a DEFINITY Generic 3r switch, fill in Worksheet B-7a instead of this worksheet.

Only G3V4 and updated G3V2 and G3V3 support enhanced call transfer if using Digital Port emulation and Control Link integration. The transfer is invoked via a message from the AUDIX system to the switch on the control link.

Date _____

Prepared By _____

Contact Telephone Number _____

The following information is required to assign the data link for CL integration.

BX.25 Data Module

Name for the PGATE application	[audix]
PGATE board location (if adding new)	
Type	BX.25
Port	
The PGATE port location to which the BX.25 data module is connected	
Name	
The name to identify the DEFINITY AUDIX System connection	[audix]
COR	
Endpoint Type	adjunct
DTE/DTC	dte
Baud Rate	9600
Error Logging	[y]
Remote Looparound Test	[n]
Permanent Virtual Circuit	
Highest PVC Logical Channel	
Switched Virtual Circuit	
Layer 2 Parameters:	
Number of Outstanding Frames	[1]
Retry Attempt Counter	[2]

BX.25 Data Module

Frame Size	[135]
Retransmission Timer (1/10 seconds)	[10]
Idle timer (1/10 seconds)	[30]
Layer 3 Parameters:	
Number of Outstanding Packets	[2]
Restart Timer (seconds)	[8]
Reset Timer (seconds)	[180]

Interface Link and Processor Channel

Interface Link:	
Link Number	[1-8]
Enabled	y
BX.25 Extension Enter the extension of the BX.25 data module	
Destination Number	external
Establish connection	leave blank
Connected Data Module	leave blank
Identification Enter the name from Worksheet B-5 for the User Defined Adjunct Names.	
Processor Channel:	
Processor channel number	[1-128]
Application	[audix]
Interface Link Number Must be the same as the Link Number set above	
Interface Channel Number This is the Logical Channel number used on the DEFINITY AUDIX SWITCH-LINK DCIU-SCI screen.	
Local Port This is the Switch Port number used on the DEFINITY AUDIX SWITCH-LINK DCIU-SCI screen.	
Remote Port This is the AUDIX Port Logical Channel number used on the DEFINITY AUDIX SWITCH LINK DCIU-SCI screen. Enter the value entered for the Interface Channel Number above.	
Adjunct Name Enter the name from Worksheet B-5 for the User Defined Adjunct Names.	
Machine-ID Enter the Machine ID for the DEFINITY AUDIX System. This number must agree with the AUDIX field entry on the DEFINITY AUDIX SWITCH LINK DCIU-SCI screen.	[1]

DCS Worksheets

WORKSHEETS B-9 through B-15 are needed if the DEFINITY AUDIX System is running in CL integration in a DCS environment.²

The GBCS Design Center designs a DEFINITY AUDIX System in a DCS environment. Complete these DCS worksheets only if the Design Center is not designing the DCS network.

Complete Worksheets B-9 through B-12 if the DCS network uses BX.25 signaling. *Or*, complete Worksheets B-13 through B-17 if the DCS network uses ISDN signaling.

Complete Worksheets B-18 through B-20 for any DCP mode 2 connections.

Complete one set of DCS worksheets for each remote switch.

Worksheet B-9: Processor Channel Assignment DCS BX.25 Signaling (Remote non-G3r)

This worksheet applies for non-G3r switches only.
 If the DEFINITY AUDIX System is to be installed in a DEFINITY Generic 3r switch, skip to Worksheet B-9b.
 Complete one worksheet for each non-G3r remote switch.

Date _____
 Prepared By _____
 Contact Telephone Number _____

The information in the following tables is required to assign the remote processor channels in a DCS configuration.

Processor Channel Assignment

Processor Channel:	
Processor channel number	[59 if available]
Application	audix
Interface Link Number The DCS link that connects this remote switch to the host switch.	
Interface Channel Number This is the Logical Channel number used on the DEFINITY AUDIX SWITCH LINK DCIU-SCI screen that connects this remote switch to the host switch.	
Priority	h
Remote Proc Chan Enter the same value as entered for the Interface Channel above.	
Machine-ID This number must agree with the AUDIX field entry on the DEFINITY AUDIX SWITCH LINK DCIU-SCI screen.	

Worksheet B-9a: Processor Channel Assignment DCS BX.25 Signaling (Remote G3r)

Complete one worksheet for each G3r remote switch.

User-Defined Adjunct Names: Enter the name used for the DEFINITY AUDIX System on the host switch USER-DEFINED ADJUNCT NAMES screen entered on Worksheet B-5.	
Processor Channel Assignments:	
Processor channel number	[1-128]
Application	[audix]
Interface Link Number The DCS link that connects this remote switch to the host switch.	
Interface Channel Number This is the Logical Channel number used on the DEFINITY AUDIX SWITCH-LINK DCIU-SCI screen that connects this remote switch to the host switch.	
Local Port This is the Switch Port number used on the DEFINITY AUDIX SWITCH-LINK DCIU-SCI screen.	
Remote Port This is the Logical Channel number used on the DEFINITY AUDIX SWITCH LINK DCIU-SCI screen.	
Adjunct Name	[audix]
Machine-ID This number must agree with the AUDIX field entry on the DEFINITY AUDIX SWITCH LINK DCIU-SCI screen.	

Worksheet B-10: Hop Channel Assignment DCS BX.25 Signaling (Host)

The information in the following tables is required for each hop from a remote switch to the DEFINITY AUDIX System on the host switch.

Date _____

Prepared By _____

Contact Telephone Number _____

Link Enter the Interface Link from the host switch PROCESSOR CHANNEL ASSIGNMENT screen for the link that connects the remote switch to the host switch.	
Chan Enter the Interface Channel from the remote switch PROCESSOR CHANNEL ASSIGNMENT screen for the channel that connects the remote switch to the DEFINITY AUDIX System on the host switch.	
Link Enter the Interface Link from the host switch PROCESSOR CHANNEL ASSIGNMENT screen for the link that connects the host switch to the DEFINITY AUDIX System.	
Chan Enter the Remote Processor Channel from the remote switch PROCESSOR CHANNEL ASSIGNMENT screen for the channel that connects the DEFINITY AUDIX System to the remote switch.	
Priority Does not apply for G3r.	h

Worksheet B-11: Assign the Remote Switch Hunt Group (DCS)

Date _____
 Prepared By _____
 Contact Telephone Number _____

Complete this worksheet for each DCS switch-node that will have mailboxes for subscribers on the DEFINITY AUDIX System

The following information is required to define a hunt group for the DEFINITY AUDIX System voice ports for a remote switch.

Group Number Enter the number you would like to use to identify the remote switch DEFINITY AUDIX hunt group. (This number, preceded by an h, is entered in the voice port COVERAGE PATH screen for the remote switch and in remote subscriber coverage paths.)	
Group Extension Enter the extension number you want subscribers to dial to retrieve their messages from the DEFINITY AUDIX System.	
Group Type	ucd
Group Name Enter the name you would like to appear on display sets when subscribers call the DEFINITY AUDIX System. ("AUDIX" must be included in the name for G3-MA to recognize the name as a DEFINITY AUDIX group.)	
Message Center	[rem-audix]
ACD	n
Queue	[n]
Night Service Destination	[leave blank]
Vector (y/n)? The DEFINITY AUDIX hunt group may be vector-controlled if call vectoring is a feature on the switch.	[n]
Security Code	leave blank
Coverage Path	blank

Worksheet B-11: Assign the Remote Switch Hunt Group
(DCS)

<p>COR</p> <p>Enter the Class of Restriction (COR) you would like assigned to the extension that subscribers will call to reach the DEFINITY AUDIX System. For security reasons, the AUDIX hunt group should be assigned its own COR which has been restricted from accessing all outgoing trunks or only those trunks needed for Outcalling or AMIS Analog and Digital Networking. The default COR is <i>not</i> recommended.</p>	
<p>ISDN Call Disp (not available on System 75 and G1)</p> <p>If ISDN-PRI is enabled, enter grp-name or mbr-name to specify whether the hunt group name or number is sent to the originating subscriber.</p>	
<p>AUDIX Extension</p> <p>Enter the extension number assigned to the DEFINITY AUDIX System hunt group at the host switch on Worksheet B-6.</p>	

Worksheet B-12: Assign the Call Coverage Path for DCS Remote Switch

Date _____
 Prepared By _____
 Contact Telephone Number _____

The following information is required to define call coverage paths for remote subscribers in a DCS network. Complete a worksheet for each remote switch.

Coverage Path Number Enter the number you want to identify the call coverage path for subscribers.	
Next Path Number If desired, enter the second path to which calls will be directed in case the current path fails.	
Coverage Criteria Station/Group Status Active? (Inside Call/Outside Call)	[n/n]
Coverage Criteria Busy? (Inside Call/Outside Call)	[y/y]
Coverage Criteria Don't Answer? (Inside Call/Outside Call)	[y/y]
Coverage Criteria All? (Inside Call/Outside Call)	[n/n]
SAC/Go to Cover? (Inside Call/Outside Call)	[y/y]
Number of rings Enter the number of rings (1-99) you would like before a call goes to coverage.	[3]
Coverage Points For Point1, Point2, or Point3, enter h followed by the DEFINITY AUDIX remote hunt group number.	

Worksheet B-13a: Processor Channel Assignment (Host) ISDN Gateway (non G3r)

This worksheet applies for a G3i, G3s, or G3vs host in a DCS via ISDN-PRI environment only. If the DEFINITY AUDIX System is to be installed in a DEFINITY Generic 3r switch, skip to Worksheet B-13b.

Date _____
Prepared By _____
Contact Telephone Number _____

The following information is required to assign the host processor channels in a DCS via ISDN-PRI configuration

Processor Channel Assignment (Host) ISDN Gateway	
Processor channel number	
Application	isdn
Interface Link Number The Interface link from the host switch INTERFACE LINKS screen for the DEFINITY AUDIX link.	
Interface Channel Number A number from 1 to 64 to identify the interface channel that connects the DEFINITY AUDIX System to the host switch.	
Priority	h
Remote Proc Chan Processor channel number (1-64) of the remote switch that connects to the local processor channel.	
Machine-ID	leave blank

Worksheet B-13b: Processor Channel Assignment (Host) ISDN Gateway (G3r)

This worksheet applies for a G3r host in a DCS via ISDN-PRI environment only. If the DEFINITY AUDIX System is to be installed in a G3i, G3s, or G3vs switch, use Worksheet B-13a.

Date _____
 Prepared By _____
 Contact Telephone Number _____

The information in the following table is required to assign the processor channel G3r switch.

Processor channel number	[1-128]
Application	gateway
Interface Link Number The Interface link from the host switch INTERFACE LINKS screen for the DEFINITY AUDIX link.	
Interface Channel Number A number from 1 to 64 to identify the interface channel that connects the DEFINITY AUDIX System to the host switch.	
Local Port This is the Switch Port number used on the DEFINITY AUDIX SWITCH-LINK DCIU-SCI screen.	
Remote Port Enter the value entered for the Interface Channel above.	
Adjunct Name	leave blank
Machine-ID This number must agree with the AUDIX field entry on the DEFINITY AUDIX SWITCH LINK DCIU-SCI screen.	

Worksheet B-14a: ISDN Signaling Group (Host)

Date _____
 Prepared By _____
 Contact Telephone Number _____

The following information is required to define the ISDN signaling group for the host in a DCS/ISDN environment.

Group Number Enter the number of the signaling group associated with the DCS non-call associated temporary signaling connection (NCA-RSC) on the remote switch.	
Associated Signaling	n
Primary D-channel The port number associated with the DS1 interface circuit-pack port.	
Secondary D-channel The port number associated with the DS1 interface circuit-pack port used for secondary D-channel signaling.	
Max Number of NCA RSC Increment the current field entry by 1.	
Max number of CA RSC Maximum number of simultaneous Call Associated Temporary Signaling Connections (CA-RSCs) that can exist in the Signaling Group.	
Trunk Group for NCA RSC ISDN-PRI trunk group number whose incoming call handling table will be used to handle incoming NCA-RSCs through the signaling group.	
Trunk Brd Enter a 5-character DSI Interface circuit pack number that has trunk members belonging to this Signaling Group.	[3]
Interface ID An interface ID (0–31) for the corresponding DS1 Interface Circuit pack.	
Service Feature Service type for all administered NCA-RSCs assigned in the Signaling Group.	
As-needed Inactivity Time-out (min) Enter 10–90.	
RSC Index Choose a free index. This index is also entered on Worksheet B-15.	

Local Ext An unassigned extension number.	
Enabled	y
Establish	permanent
Dest. Digits The digits needed to route the administered NCA-RSC to the far-end switch.	
Application	gateway
Machine ID Machine ID of the far-end switch to which this NCA-RSC is to be connected.	
Adj Name (G3r only) Enter the name of the DEFINITY AUDIX System entered on Worksheet B-5 to be used on the G3r USER DEFINED ADJUNCT NAMES screen.	

Worksheet B-14b: ISDN Signaling Group (Remote)

Date _____
 Prepared By _____
 Contact Telephone Number _____

The following information is required to define the ISDN signaling group for a remote switch in a DCS/ISDN environment.

Group Number Enter the number of the signaling group associated with the DCS non-call-associated temporary signaling connection (NCA-RSC) on the remote switch.	
Associated Signaling	n
Primary D-channel The port number associated with the DS1 interface circuit-pack port.	
Secondary D-channel The port number associated with the DS1 interface circuit-pack port used for secondary D-channel signaling.	
Max Number of NCA RSC Increment the current field entry by 1.	
Max number of CA RSC Maximum number of simultaneous Call Associated Temporary Signaling Connections (CA-RSCs) that can exist in the Signaling Group.	
Trunk Group for NCA RSC ISDN-PRI trunk group number whose incoming call handling table will be used to handle incoming NCA-RSCs through the signaling group.	
Trunk Brd Enter a 5-character DSI Interface circuit pack number that has trunk members belonging to this Signaling Group.	[3]
Interface ID An interface ID (0–31) for the corresponding DS1 Interface Circuit pack.	
Service Feature Service type for all administered NCA-RSCs assigned in the Signaling Group.	
As-needed Inactivity Time-out (min) Enter 10–90.	
RSC Index Choose a free index. This index is also entered on Worksheet B-15.	

Local Ext Enter the Dest. Digits entered on Worksheet B-11a, <i>ISDN Signaling Group (Host)</i> .	
Enabled	y
Establish	permanent
Dest. Digits Enter the Local Ext entered on Worksheet B-11a, <i>ISDN Signaling Group (Host)</i> .	
Application	audix
Machine ID Machine ID of the far-end switch to which this NCA-RSC is to be connected.	
Adj Name (G3r only) Enter the name of the DEFINITY AUDIX System entered on Worksheet B-5 to be used on the host G3r USER DEFINED ADJUNCT NAMES screen.	

Worksheet B-15: ISDN RSC Gateway Channel Assignment (Host)

Date _____

Prepared By _____

Contact Telephone Number _____

The following information is required for the channel assignment on a DCS/ISDN RSC Gateway.

Sig Group Group number from Worksheet B-14a, <i>ISDN Signaling Group (Host)</i> .	
Adm'd NCA RSC Index The RSC Index chosen on Worksheet B-14a, <i>ISDN Signaling Group (Host)</i> .	
Processor Channel Enter the processor channel chosen on Worksheet B-13a, <i>Processor Channel Assignment (Host) ISDN Gateway</i> .	
Application	audix

Worksheet B-16: Administer Digital Networking Ports

Date _____
 Prepared By _____
 Contact Telephone Number _____

Administer a Data Module screen on the switch for each networking port. For the first networking port, administer the Data Module screen for voice port 1. For the second networking port, administer the Data Module screen for voice port 2.

The following information is required for administering digital networking port 1.

Assign a data extension (Enter the data extension on the data module screen for voice port one)	
Enter a name that identifies the networking port	
Enter a Class of Restriction (COR) Enter a Class of Service (COS) (Use a separate class of service with data privacy and no restrictions.)	

The following information is required for administering digital networking port 2.

Assign a data extension (Enter the data extension on the data module screen for voice port one)	
Enter a name that identifies the networking port	
Enter a Class of Restriction (COR) Enter a Class of Service (COS) (Use a separate class of service with data privacy and no restrictions.)	

Digital networking ports can be administered in or out of the DCS environment. However, testing requires using the DCS network.

Worksheet B-16 a: Administer Digital Networking Port 1 (DP/DS)

Date _____

Prepared By _____

Contact Telephone Number _____

The following information is required for administering digital networking port 1
(DP/DS)

Data Extension

Assign a data extension

Enter the data extension on the data module screen

Enter a name for the data extension

Enter a name that identifies the networking port

Enter a COR

Enter a COS

Worksheet B-17 : Administer a 7400A Data Module and ADU

Date _____

Prepared By _____

Contact Telephone Number _____

The information in the following tables is required to administer a 7400A data module and ADU

For each 7400A data module or ADU used in a DCP Mode 2 modem/data module arrangement, administer a Data Module screen.

Type field	Enter pdm for a 7400A data module, or enter data-line for an ADU
Port field	Enter the port location of the TN754 port to which the data module connects or the TN726 port to which the ADU connects (such as 2B0701 module 2, carrier B, slot 07, port 01)
Name field	Enter an identifying name for the data module or ADU (such as dignet datmod 1 or dignet ADU-1).

Worksheet B-17: Assign a Hunt Group for the Digital Networking Ports

The following information is required to define a hunt group for the digital networking ports. If there is only one digital networking port, a hunt group is not needed.

Enter a hunt group number (or the next hunt group number will be assigned)	
Enter a hunt group extension (This is the extension a remote system will dial to establish a networking connection with the local DEFINITY AUDIX system.)	
Group Type	ucd
Enter a hunt group name that identifies the digital networking ports.	
Enter a class of restriction for the digital networking ports.	
Message Center	none
ACD	none
Queue	n
Vector	n
Group Member Assignments (Enter the extensions of the two networking ports.)	Extension 1 Extension 2

DCP Mode 2 Planning Worksheets

Complete the following worksheets for any DCP Mode 2 connections.

Worksheet B-18: Administer a 7400A Data Module and/or ADU

Date _____
 Prepared By _____
 Contact Telephone Number _____

For each 7400A data module or ADU used in a DCP Mode 2 modem/data module arrangement, administer a Data Extension screen. Complete a worksheet for each data module or ADU. The information in the following table is required to administer a 7400A data module or ADU.

Type field Enter pdm for a 7400A data module, or enter data-line for an ADU	
Port field Enter the port location of the TN754 port to which the data module connects or the TN726 port to which the ADU connects (such as 2B0701 [module 2, carrier B, slot 07, port 01])	
Name field Enter an identifying name for the data module or ADU (such as dignet datmod1 or dignet ADU-1).	
Class of Service	
Class of Restriction	
If Type is pdm: Remote Loop-Around Test Secondary Data Module	n n
Connected to	dte
ITC (G3V2, G3V3, G3V4 [restricted or unrestricted])	

The following additional information is needed for each ADU..

KYBD Dialing	y
Configuration	n
Busy Out	y
Low	n
Speed Enter 9600 bps or 19,200 bps	
Autoadjust	n
Permit Mismatch	n
Dial Echoing	y
Disconnect Sequence	two-breaks
Answer Text	y
Parity	space
Connected Indication	y

Worksheet B-19: Administer a Modem

Date _____

Prepared By _____

Contact Telephone Number _____

For each modem used in a DCP Mode 2 modem/data module arrangement, administer a Station screen. Complete a worksheet for each modem.

Port field	
Name field Enter a name that identifies the modem (such as dignet modem1).	
Class of Service	
Class of Restriction	
Tests	y
LWC Reception	n
LWC Activation	n
Coverage Msg Retrieval	n
CDR Privacy	n
Auto Answer	none
Redirect Notification	n
Data Restriction	n
Per Button Ring Control	n
Call Waiting Indication	n
Bridged Call Alerting	n
Att. Call Waiting Indication	n
Off Premises Station	n
Distinctive Audible Alert	n
Switchhook Flash	n
Message Waiting Indicator	leave blank
Adjunct Supervision	n

Worksheet B-20: Assign the Hunt Group for Data Modules, ADUs, and Modems

Date _____

Prepared By _____

Contact Telephone Number _____

Assign a hunt group for each pair of data modules, ADUs, or modems. Complete a worksheet for each hunt group. .

Enter a hunt group number (or the next hunt group number will be assigned)	
Enter a hunt group extension This is the extension a remote system will dial to reach the data module ports, the ADU ports, and the modem ports. (This extension becomes part of the Dial String on the remote Machine Profile screen set up on the local system and is needed to reach these ports.)	
Group Type	ucd
Enter a hunt group name that identifies the data modules, ADUs, or modems (such as AUDIX Data Mods, AUDIX Modems, or AUDIX ADUs).	
Enter a class of restriction for the data modules, ADUs, or modems.	
Message Center	none
LWC Reception	none
ACD	n
Queue	n
Vector	n
Group Member Assignments (Enter the extensions of the two data modules, ADUs, or modems.)	Extension 1 Extension 2

DEFINITY AUDIX System Administration Worksheets

C

To a software associate/software specialist:

Before you can perform initial administration for the DEFINITY AUDIX System, you need to obtain certain information from the customer. You should have the customer complete the worksheets on the following pages *before* installation. The worksheets include information necessary for initial DEFINITY AUDIX System administration.

You will need information from the customer before you can complete the following DEFINITY AUDIX administration tasks:

- Activate customer options
- Activate DEFINITY AUDIX server hardware (LAN) options
- Assign the DEFINITY AUDIX machine ID
- Assign switch link translations (CL mode)
- Set system parameters limits
- Assign the time zone
- Activate parameters and basic features
- Identify purchased number of digital networking ports
- Add subscribers
- Set up alarm origination
- Network (completed forms should be provided with the spec.)

These tasks, and the information required to complete them, are described completely in *DEFINITY AUDIX System — Installation*, 585-300-111.

Worksheet C-1: Activate Customer Options

Date _____
Prepared By _____
Contact Telephone Number _____

The information you supply here will be input on the SYSTEM-PARAMETERS CUSTOMER-OPTIONS screen during installation.

Field	Default	Desired
Port Emulation Type	tn754 for DP mode	
	tn746 for CL mode	
Maximum Number of Voice Ports	2	
AMIS Analog and Digital Networking	n	
Maximum number of digital networking ports	n	
Multilingual	n	
Maximum Number of IMAPI Sessions	0	

Worksheet C-2: Activate IMAPI for the AUDIX Server Hardware (LAN) Options

Date _____
Prepared By _____
Contact Telephone Number _____

The information you supply here will be input on the SYSTEM-PARAMETERS IMAPI-OPTIONS screen during installation only if Intuity™ Message Manager was purchased.

Field	Default	Desired
Maximum Number of Enabled IMAPI Sessions	32	
Enable Check_new messages	n	
Enable Deliver_ca_message	n	
Enable Voice File Transfer	n	
IMAPI Session Timeout	5	
IMAPI IP Address ¹		
IMAPI Subnet Mask		
Default Gateway IP Address		

-
1. This number is supplied by the Local Area Network manager or administrator, along with the *IMAPI Subnet Mask*, and the *Default Gateway IP Address*. All three addresses appear in the form *nnn.nnn.nnn.nnn*, where each *nnn* can be a number between 0 and 255.
-

IMM requires the following:

- A 10BaseT connection to the LAN
- Transmission Control Protocol/Internet Protocol (TCP/IP) between the DEFINITY AUDIX server and the end-users' PCs.
- PCs require Windows 3.1 or later, or Windows for Workgroups 3.11 or later operating system; IMM software, and the standard WIN socket open network programming interface. The minimum PC configuration is a 486-33MHz with 8 Mbytes of RAM and 8 Mbytes of hard disk storage. The tutorial requires an additional 8 Mbytes of disk storage if installed.
- Prior to activating and installing the LAN options that will allow IMM to work, the LAN administrator must add the AUDIX host name to the network domain name server. This will allow name addressing to the AUDIX system.

Worksheet C-3: Assign the DEFINITY AUDIX Machine ID

Date _____
 Prepared By _____
 Contact Telephone Number _____

The information you supply here will be input on the MACHINE screen during cut-to-service administration.

If operating in a DCS environment, complete a copy of this worksheet for each remote switch-node.

Field	Default	Desired
Machine Name	local	
Machine Type	audix	audix
Location	local	local
Voiced Name	n	
Extension Length	4	
Voice ID	0	0
Default Community		
Messages without a community ID are assumed to have been sent from this community. See <i>DEFINITY AUDIX System — Feature Descriptions</i> , 585-300-206 for information on communities and the Sending Restrictions feature.		

Enter the address ranges for subscriber extensions for each machine in the table below. (The prefix can be used to distinguish between machines that have overlapping extension ranges.)

Machine	Prefix	Start Extension	End Extension
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

Worksheet C-4: Assign Switch Link Translations

Date _____

Prepared By _____

Contact Telephone Number _____

The information you supply here will be input on the SWITCH LINK screen during initial administration.

Limit	Default	Desired
Switch number		
This is always 1 unless in a DCS environment.		
Logical Channel number		
This is the Physical Channel assigned on Worksheet B-7a or B-7b.		
Switch Port number		
This is the Processor Channel number assigned on Worksheet B-7a or B-7b.		
Data Link number		
Host Switch number		
AUDIX Machine number		

Worksheet C-5: Set System Parameters Limits

Date _____
 Prepared By _____
 Contact Telephone Number _____

The information you supply here will be input on the SYSTEM-PARAMETERS LIMITS screen during initial administration.

Limit	Default	Desired
Maximum Message Length (seconds)	1200	
Minimum Message Length (tenths of seconds)	10	
Total Messages in all Mailboxes		
The appropriate value depends on the disk size and the number of local subscribers. The recommended number is 10 times the number of subscribers.	50000	
Maximum Messages Awaiting Delivery		
The appropriate value depends on the disk size and the number of local subscribers. The recommended number is the number of subscribers.	5000	
Maximum Number of Local Subscribers ¹		
The appropriate value depends on the disk size. See <i>DEFINITY AUDIX System — System Description</i> , 585-300-205 for more information.	1000	
Maximum Number of Administered Remote Subscribers ¹	1000	
The appropriate value depends on the disk size. See <i>DEFINITY AUDIX System — System Description</i> , 585-300-205 for more information.		
Total List Entries		
This is the total entries allowed in all subscriber's lists.	50000	
Total Number of Lists per Subscriber	100	
Maximum Total Number of Recipients per List	250	
Maximum Administration Log Entries	1000	

1. Note that the sum of the number of local subscribers and administered remote subscribers should be 2000 or less.

Worksheet C-6: Assign the Time Zone

Date _____

Prepared By _____

Contact Telephone Number _____

The information you supply here will be input on the SWITCH TIME ZONE screen during initial administration.

In what time zone will your DEFINITY AUDIX System be installed (0-23)? ¹	
Do you observe daylight savings time (y/n)?	

1. Valid United States time zones are as follows:

Valid United States time zones are as follows:

- Eastern — 5
- Central — 6
- Mountain — 7
- Pacific — 8
- Alaska — 9
- Hawaii — 10

Worksheet C-7: Activate Parameters and Basic Features

Date _____
 Prepared By _____
 Contact Telephone Number _____

The information you supply here will be input on the SYSTEM-PARAMETERS FEATURES screen during cut-to-service administration.

Field	Default	Desired
LOG-IN PARAMETERS		
Maximum Login Retries	3	3
Consecutive Invalid Attempts	18	
System Guest Password	blank	
Minimum Password Length (AT&T recommends changing this field to at least 5).	0	
PASSWORD AGING LIMITS (DAYS) Subscriber Mailboxes		
Password expiration interval (0 for no password aging)	0	1 to 999
Minimum age before changes	0	0 to 99
Expiration warning (0 for no warning)	0	0 to 99
PASSWORD AGING LIMITS (DAYS) Administrator login		
Password expiration interval (0 for no password aging)		
Minimum age before changes		
Expiration warning (0 for no warning)		
INPUT TIME LIMITS (SECONDS)		
Normal	60	
Full Mailbox Timeout (seconds)	5	
Wait (*W)	180	
INPUT TIME LIMITS (SECONDS)		
Between digits at auto-attendant or standalone menu (3-12)	0	6
DISCONNECT OPTIONS		
Quick Silence Disconnect?	n	
Silence Limit? (5-30 seconds)	30	
Tone Based Disconnect?	n	
MISCELLANEOUS FEATURES		
Broadcast Mailbox Extension		
System Prime Time, Start	8:00	
System Prime Time, End	17:00	
Weekly Backup Enabled?	y	

Worksheet C-7: Activate Parameters and Basic Features

Field	Default	Desired
Increment (l/s), Rewind?	s	
Increment (l/s), Advance?	s	
FEATURE ACTIVATION		
Traffic Collection?	n	
Name Record by Subscriber?	y	
Multiple Personal Greetings?	y	
End of Message Warning?	y	
Warning Time (seconds)	15	
Priority on Call Answer?	n	
CALL TRANSFER OUT OF AUDIX		
Transfer Type? (basic/enhanced/none)	none	
Transfer Restriction (subscribers/digits)	subscribers	
Covering Extension	blank	
ANNOUNCEMENT SETS		
System	standard	
Administrative	blank	

Rescheduling Increments For Unsuccessful Message Delivery¹

Increment	Days	Hours	Minutes
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

1. For information on default values, see *DEFINITY AUDIX System R3.1 — Screens Reference*, 585-300-211.

Worksheet C-8: Identify Number of Digital Networking Ports

Date _____

Prepared By _____

Contact Telephone Number _____

Identify whether there is one or two digital networking ports.

Worksheet C-9: Add Subscribers

Date _____
Prepared By _____
Contact Telephone Number _____

The information you supply here will be input on the SUBSCRIBER and COS (class of service) screens during cut-to-service administration. Complete the following information for each subscriber to be added to the DEFINITY AUDIX database during cut-to-service administration. The minimum information needed to add a subscriber to the DEFINITY AUDIX database is a name and an extension for the subscriber. The DEFINITY AUDIX System will supply defaults for all the remaining fields on the SUBSCRIBER screen.

You will need to administer the following information for each subscriber to be added to the DEFINITY AUDIX System database:

- Subscriber name
- Subscriber extension
- Initial Password
- Class of Service (COS) — 12 classes of service can be defined for the DEFINITY AUDIX System; see *DEFINITY AUDIX System — Administration, 585-300-507* for more information on Class of Service. Values for the default Class of Service, found on the CHANGE SUBSCRIBER screen (page 2) and the CHANGE COS screen, appear on the next page.
- Miscellaneous
- Switch ID — The number identifying the switch on which the subscriber is administered.
- Covering extension
- Community ID — The number identifying the community of subscribers to which this subscriber will belong; community ID can be used to administer, for example, message sending restrictions.
- Broadcast Mailbox

Options	Values for COS 0 (default values)
Addressing Format	extension
System Multilingual is ON	
Login Announcement Set	(specific)
Call Answer Language Choice?	y
Call Answer Primary Annc. Set	(specific)
Call Answer Secondary Annc. Set	(specific)
PERMISSIONS	
Type	call-answer
Announcement Control	n
Outcalling	n
Priority Message	n
Broadcast	none
IMAPI Access	n
IMAPI Voice File Access	n
INCOMING MAILBOX	
Order	fifo
Category Order	nuo
New Message Retention Time	10
Old Message Retention Time	10
Unopened Message Retention Time	10
OUTGOING MAILBOX	
Order	fifo
Category Order	ufdan
File Cabinet Retention Time	10
Delivered/Nondeliverable Retention Time	10
Voice Mail Message (seconds)	
Maximum Length	300 sec.
Minumum Needed	32 sec.
Call Answer Message (Seconds)	
Maximum Length	120 sec.
Minumum Needed	8 sec.
End of Message Warning Time (seconds)	15
Maximum Mailing Lists	25
Total Entries in All Lists	250
Mailbox Size (seconds)	
Maximum	1200 sec.
Minimum Guarantee	0 sec.

Worksheet C-10: Set Up Alarm Origination

Date _____
 Prepared By _____
 Contact Telephone Number _____

The project manager/technician:

Information from this worksheet will be entered on the SYSTEM-PARAMETERS MAINTENANCE screen in installation Task 16. In Task 16 you will contact your Remote Support Center (RSC) and have them add the customer to the data base and test the alarm origination feature.

What is the name ¹ of the DEFINITY AUDIX System? (AT&T Services identifier)	
What is the DEFINITY AUDIX System location?	
What is the phone number the customer can call to report problems with the DEFINITY AUDIX System or to ask for help? In the United States this number is: 1-800-56-AUDIX.	
What is the automatic alarm reporting telephone number?	
This is the modem command string for automatic alarm referral calls generated by the DEFINITY AUDIX System. The INADS administrator will give this string to the installer.	
Will alarm origination be activated through DEFINITY AUDIX System only (enter audix only), through the switch only (enter switch only), or both (enter audix & switch).	
What is the phone number for the remote maintenance port?	

-
1. This is a unique name used by the RSC to access the system. The RSC can help in assigning this name — once assigned, only the RSC can change it. This name is not used by any other AT&T group or by the customer.

Optional Features Worksheets

D

To the customer:

The following worksheets are designed to help you plan for any optional switch or DEFINITY AUDIX features you would like to implement. Optional features include:

- AMIS Analog or Digital Networking and/or Message Delivery
- Automated Attendant
- Bulletin Board
- Outcalling
- Switch Recorded Announcement
- Activate Networking Ports

You may administer these features on your own, or you may pay AT&T to administer them for you.

Worksheet D-1: Administering AMIS Analog and Digital Networking and Message Delivery

Date _____
 Prepared By _____
 Contact Telephone Number _____

To administer the AMIS Analog and Digital Networking and/or the Message Delivery you need to complete the following tables. See *AMIS Analog Networking*, 585-300-512 for more information.

You will need the information in the following table to complete the SYSTEM-PARAMETERS ANALOG-NETWORK screen.

Country Code Enter the country code of the hunt group of the analog voice ports for the local DEFINITY AUDIX System.	
Area/Trunk Number Enter the area/trunk code of the hunt group of the analog voice ports for the local DEFINITY AUDIX System.	
Local Number Enter the local telephone number of the hunt group of the analog voice ports for the local DEFINITY AUDIX System.	
AMIS Analog or Digital Networking Incoming Allowed? (y/n)	
AMIS Analog or Digital Networking Outgoing Allowed? (y/n)	
AMIS Prefix This field is optional. The AMIS prefix simply identifies an address to the system as an AMIS or Digital analog address.	
AMIS Protocol—Use 8 Minutes For Incoming Message Length 0?(y/n) If yes, the DEFINITY AUDIX System will assume messages of unknown length are actually eight minutes long.	
AMIS Loopback Test Mailbox Extension	

You will need the information in the following form to complete the SYSTEM-PARAMETERS OUTCALLING screen.

	Start Time	End Time	Interval	Max Simultaneous Ports ¹
1				
2				
3				

-
1. The maximum simultaneous ports includes ports for Outcalling, AMIS Analog or Digital Networking, and Message Delivery.
-

You will need the information in the following table to complete the SYSTEM-PARAMETERS FEATURES screen.

RESCHEDULING INCREMENTS FOR UNSUCCESSFUL MESSAGE DELIVERY ¹

Increment	Days	Hours	Minutes
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			

-
1. For information on default values, see *DEFINITY AUDIX System R3.2 — Screens Reference*, 585-300-212.

You will need the information in the following tables to complete the MACHINE screen. Complete these tables for each remote machine to be administered on the local system.

Machine Name	
Machine Type	
Valid entries are amisac, amisap, calld. See <i>AMIS Analog Networking</i> , 585-300-512 for more information.	
Location	display
Voiced Name?	display
Extension Length	
Voice ID	display
Default Community	

Prefix	Start Extension	End Extension

Dial String: _____

Message Transmission Start Time	Message Transmission End Time

Worksheet D-2: Automated Attendant

Date _____

Prepared By _____

Contact Telephone Number _____

To assign a hunt group on the switch for an automated attendant, you need to complete the following table. See *Switch Administration for the DEFINITY AUDIX System*, 585-300-509 for more information.

What extension would you like to assign to the attendant?	
What station type will you use? (Each automated attendant will use a station port unless you assign a hunt group.)	
What number would you like to have identify the hunt group for the automated attendant?	

To administer an automated attendant on the DEFINITY AUDIX System, you will need the information in the following table to complete the SUBSCRIBER screen for each attendant. See *DEFINITY AUDIX System — Administration*, 585-300-507 for automated attendant examples and other information.

Do you want Night Service to the automated attendant? If yes, do you want it from an incoming trunk or from a Listed Directory Number (LDN) Do you want Automated Attendant operation based on business schedules? Do you want Automated Attendant operation based on the holiday schedule? What would you like to name the automated attendant (for the system directory)?	
Do you want to allow the caller to transfer out of the attendant using <input type="checkbox"/> * <input type="checkbox"/> T ? (The Transfer Out of AUDIX feature must be enabled.)	
How many seconds do you want the system to wait for a response from the caller before timing out?	
Do you want to verify if the definition of an Automated Attendant menu tree is complete?	
Do you want to verify the operation of various Automated Attendant menu trees in operation at a customer site?	

For each telephone button (0-9) that is *not* the same as the first digit of the switch extensions (assuming this attendant is set up to go to a given extension), list the transfer extension. To go to an extension that begins with the same digit as the button, enter **e**. For each extension, indicate whether the caller should be transferred normally (T), should hear the subscriber's call answer (CA), or should hear the system guest greeting (G). Also for each extension, include a descriptive comment.

Button	Extension or e	Transfer Normally (T) Call Answer (CA) Guest Greeting (G)	Comment
1			
2			
3			
4			
5			
6			
7			
8			
9			
0 timeout			

What would you like the attendant to say initially? (For example: *Thank you for calling Primary Propulsion Systems. Press 1 for Personnel, 2 for Accounting,*

Record the attendant menu just as you would a personal greeting, using the automated attendant extension to log in. You can get a list of all your attendants by using the LIST ATTENDANTS screen.

Worksheet D-3: Administering a Bulletin Board

Date _____

Prepared By _____

Contact Telephone Number _____

You will need the information in the following table to complete the SUBSCRIBER screen for each bulletin board. You can also set up a class of service for bulletin boards using the COS form, and identify that class of service on the SUBSCRIBER form. See *DEFINITY AUDIX System — Administration*, 585-300-507 or *DEFINITY AUDIX System — R3.1 Screens Reference*, 585-300-211 for more information.

To what extension do you want the bulletin board assigned? _____

What would you like to name the bulletin board (for the system directory)? _____

If you haven't set up a class of service for bulletin boards (using the cos screen), you must set the PERMISSIONS, type field to bulletin board.

What would you like the bulletin board to say initially?

Worksheet D-4: Administering Outcalling

Date _____
 Prepared By _____
 Contact Telephone Number _____

The information you supply here will be input on the SYSTEM-PARAMETERS OUTCALLING screen during cut-to-service administration.

	Start Time	End Time	Interval	Max Simultaneous Ports ¹
1				
2				
3				

1. The maximum simultaneous ports includes ports for Outcalling, AMIS Analog or digital Networking, and Message Delivery.

Initial Delay (minutes)

This is the number of minutes that must elapse after a message is delivered before the first outcalling attempt is made.

Maximum Number Digits

The maximum length telephone number subscribers may specify for outcalling; if subscribers are going to have outcalls placed to pagers, set this to 29.

Worksheet D-5: Administering Switch Recorded Announcement

Date _____
Prepared By _____
Contact Telephone Number _____

To administer a Switch Recorded Announcement you need to complete the following table. See *Switch Administration for the DEFINITY AUDIX System*, 585-300-509 for more information.

To what extension do you want the switch announcement assigned?	
Will an AT&T TN750 Announcement circuit pack or a customer-provided external system be used?	
What COR would you like to assign this extension?	
What would you like to name the switch recorded announcement?	
How long would you like the queue to be?	

What message would you like callers to hear if all DEFINITY AUDIX ports are busy?

For information on activate networking ports, see *DEFINITY AUDIX System — Digital Networking*, 585-300-534.

Terminal Configuration

E

For a DEFINITY AUDIX System, at least one system-access terminal is required for administration and local maintenance. This terminal should be connected to port A of the DEFINITY AUDIX System.

For DS mode only, a second, optional, terminal can be connected to port B. This terminal can be connected to the DEFINITY AUDIX System in one of the following ways:

- Direct connection
- Via modems or data modules
- Via asynchronous data units (ADUs)

Two RS-232 cables are included with every DEFINITY AUDIX System to connect the terminals. These cables have a default length of 20 feet. However, the cables can be ordered in lengths of up to 50 feet.

Worksheet E-1: Terminals

Date _____

Prepared By _____

Contact Telephone Number _____

To the AE:

Complete this worksheet with the customer *before* configuring and ordering the DEFINITY AUDIX System. For more information about supported terminals and other peripherals, see *DEFINITY AUDIX System — System Description*, 585-300-205.

Options	Terminal 1	Terminal 2 (DP mode only)
<p>What type of terminal would you like to use?</p> <p>Options are: 715 BCT, 513 BCT, 4410, 5410, 4425, 5425, 5420, 4415, 610, 615, or a PC with a package such as G3-MA that emulates one of these terminals. (Note that the 715 BCT terminal allows an administrator to toggle between switch screens and DEFINITY AUDIX screens.) For information about required emulation packages, see <i>DEFINITY AUDIX System — System Description</i>, 585-300-205.</p> <p>Only the 715 and a PC are orderable at this time.</p>		
<p>How would you like the terminal connected to the DEFINITY AUDIX System?</p> <p>You can implement any of the following:</p> <ul style="list-style-type: none"> ■ Directly via cables ■ Via modems <p>Options are: AT&T 2400 (2400 baud modem), DM224 (2400 baud modem), DM424 (2400 baud modem), Comsphere 3820 (9600 baud modem), 2212C (1200 baud modem), 212AR (1200 baud modem).</p> <p>The DM224 and Comsphere 3820 are orderable at this time.</p> ■ Via data modules <p>Options are: one 7400A and one 7400B (recommended), or two 7400As</p> ■ Via asynchronous data units (ADU) 		
<p>Would you like to order a parallel printer for the terminal?</p> <p>Options are: AT&T 470 series printer, 570 series printer, or 580 series printer.</p>		
<p>What length cables would you like for the terminals?</p> <p>The default is 20 feet; other options are 5, 10, 30, 40, or 50</p>		

Upgrades and Ongoing Maintenance and Administration

F

The Account Team maintains ongoing support of the account as follows:

- Evaluate all current hardware and software improvements and determine their value for the customer. These improvements may be the result of either maintenance procedure changes or Quality Protection Plan Change Notice (QPPCN) activity.
- Maintain an accurate record of the system inventory, including software load numbers. This information is used for system upgrades or QPPCNs issued to the hardware.
- Track the overall performance of the system, especially during the first few months of operation.
- Monitor customers' port and disk usage to determine when they should purchase additional ports or a larger disk.
- Conduct periodic meetings with the customer to review system operation.
- Inform the customer of ongoing training requirements:
 - System Administrator — ADAP training
 - System Administrator — AMIS Analog Networking training
Digital networking training
 - System Administrator — Ongoing training
 - Subscriber — Refresher and additional training



NOTE:

Ask the customer to call the RSC to report problems or ask questions. Customers should know their product ID number when they call.

AUDIX System Administrator Qualifications and Duties



The AUDIX System Administrator will be the local customer expert in all matters pertaining to DEFINITY AUDIX applications.

Suggested qualifications for the System Administrator are as follows:

- Clerical and basic accounting skills
- Database management experience

In addition, someone at the customer site (possibly a telecommunications manager) with the following skills should be responsible for maintaining the DEFINITY AUDIX System.

- Data center operations experience (for example, previous experience as a computer operator)
- Management skills
- Computer hardware experience (for example, experience with terminals, printers, modems, etc.)

The System Administrators activities during the initial administrative phase are listed in *DEFINITY AUDIX System — Administration*, 585-300-507.

Before you begin DEFINITY AUDIX System administration, verify with your switch administrator and /or AT&T personnel that the correct switch-related administration has been completed. Refer to *Switch Administration for the DEFINITY AUDIX System*, Issue 6.

The following is a list of the customer's periodic and daily responsibilities for maintaining the DEFINITY AUDIX System. These tasks should be performed by System Administrators and/or their manager.

- Clean the DEFINITY AUDIX tape drive
- Conduct or arrange user training (both initial and ongoing) as required
- Implement a "feature of the month" program in which they explain a new DEFINITY AUDIX feature to subscribers each month
- Order product documentation as required
- Monitor DEFINITY AUDIX performance on a daily basis and monitor the administration and alarm log for warning alarms and for problems you can fix.
- Handle user problems on a daily basis
- Report and track repair requests to AT&T as required
- Perform subscriber changes (moves, additions, and deletions)
- Perform disk backup tasks (disk backups and data saves), if desired
- Ensure system security
- Schedule DEFINITY AUDIX maintenance time with AT&T and the user community as required for both normal maintenance and installation of engineering changes, additions/deletions of hardware/software, etc.
- Maintain accurate records of DEFINITY AUDIX hardware and software
- Administer peripherals (including printers and terminals) as required
- Administer user passwords
- Collect and evaluate traffic reports
- Administer transmission schedules

**Needs Assessment/ Request for
Design Support**



For Design Support, the Account executive or the customer should complete Form E-1154 on the following pages. The design center will respond by sending a Form 1495 and the network planning worksheet. Complete the network planning worksheet and the network map and send them to the design center.

NEEDS ASSESSMENT / REQUEST FOR DESIGN SUPPORT

• = Minimal requirements for Design Center Assurance/ E-1154 submission

Needs Assessment / E-1154 — 5/94

ACCOUNT TEAM INFORMATION

<input type="checkbox"/> AE <input type="checkbox"/> DS-A <input type="checkbox"/> DS <input type="checkbox"/> VAM		<input type="checkbox"/> Phone #:	<input type="checkbox"/> Fax #:
<input type="checkbox"/> Name:		<input type="checkbox"/> ATTMAIL ID:	
<input type="checkbox"/> Street:		<input type="checkbox"/> Branch Code:	
<input type="checkbox"/> City, State, Zip:		<input type="checkbox"/> County:	
<input type="checkbox"/> NSSD New/Existing Customer Code:		<input type="checkbox"/> NSSD Project Code:	
Alt. Sales Contact:		Alt. Sales Phone:	
<input type="checkbox"/> Design Center Request Type (if applicable): <input type="checkbox"/> Proposal (no contract) <input type="checkbox"/> PQ (signed contract) <input type="checkbox"/> Supplement			
<input type="checkbox"/> D.C. Design needed by (Date):		Design Center Facilitator Requested <input type="checkbox"/> Yes <input type="checkbox"/> No	

CUSTOMER INFORMATION

<input type="checkbox"/> CIN:	<input type="checkbox"/> IL:	<input type="checkbox"/> BU:	<input type="checkbox"/> MBU:
<input type="checkbox"/> Customer Legal Name:		<input type="checkbox"/> LDN:	
<input type="checkbox"/> Installation Street Address & Floor:			
<input type="checkbox"/> City, State, Zip:			<input type="checkbox"/> Country:
<input type="checkbox"/> Local Customer Contact:		<input type="checkbox"/> Phone #:	<input type="checkbox"/> Fax #:

PROJECT CODE REQUEST— BPA

<input type="checkbox"/> Existing <input type="checkbox"/> None <input type="checkbox"/> Dimension____ FP__ <input type="checkbox"/> System 85 R____V__ <input type="checkbox"/> System 75 R1V__ <input type="checkbox"/> Definity G____V__			
<input type="checkbox"/> System 25 <input type="checkbox"/> Legend R <input type="checkbox"/> Switched Video <input type="checkbox"/> Network Direct Video <input type="checkbox"/> Other Data			
<input type="checkbox"/> Conversant <input type="checkbox"/> Audix S,M,L <input type="checkbox"/> CMS <input type="checkbox"/> System Mgmt____ <input type="checkbox"/> Transmission Term. Products			
<input type="checkbox"/> CSM on ____VAX____3B <input type="checkbox"/> UPS <input type="checkbox"/> DC Power <input type="checkbox"/> Other _____			
<input type="checkbox"/> Proposed <input type="checkbox"/> Dimension____ FP__ <input type="checkbox"/> System 85 R____V__ <input type="checkbox"/> System 75 R1V__ <input type="checkbox"/> Definity G____V__			
<input type="checkbox"/> System 25 <input type="checkbox"/> Legend R <input type="checkbox"/> Switched Video <input type="checkbox"/> Network Direct Video <input type="checkbox"/> Other Data			
<input type="checkbox"/> Conversant <input type="checkbox"/> Audix S,M,L <input type="checkbox"/> CMS <input type="checkbox"/> System Mgmt____ <input type="checkbox"/> Transmission Term. Products			
<input type="checkbox"/> CSM on ____VAX____3B <input type="checkbox"/> UPS <input type="checkbox"/> DC Power <input type="checkbox"/> Other _____			
Total Number of Adjuncts: _____		Project Line Size: _____ Wire? <input type="checkbox"/> Yes <input type="checkbox"/> No	
Type of Sale: <input type="checkbox"/> Replace Competitive <input type="checkbox"/> Replace Analog AT&T <input type="checkbox"/> Replace Digital AT&T <input type="checkbox"/> New			
<input type="checkbox"/> Project Type: <input type="checkbox"/> New <input type="checkbox"/> Upgrade <input type="checkbox"/> Addition/Aftermarket <input type="checkbox"/> Move			<input type="checkbox"/> Multinational: <input type="checkbox"/> Yes <input type="checkbox"/> No

PRELIMINARY CREDIT CHECK — ACM

Customer Parent Name:	
Customer HQ Street and Floor Address:	
City, State & Zip:	
HQ Customer Contact:	Phone Number:
Account Type: <input type="checkbox"/> National <input type="checkbox"/> Major <input type="checkbox"/> Fed. <input type="checkbox"/> IMS <input type="checkbox"/> SBD	Tax Exempt? <input type="checkbox"/> Yes <input type="checkbox"/> No Certificate #:
Dollar Value of Project (Include mtce if Applicable):	Disconnect of Present System? <input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> CPS-ATTOMS Ref./DOSS Order Numbers:	Non-standard "Ts & Cs" <input type="checkbox"/> Yes <input type="checkbox"/> No
Is This Third-Party Financed? <input type="checkbox"/> Yes <input type="checkbox"/> No	Can ACM Contact Customer Directly? <input type="checkbox"/> Yes <input type="checkbox"/> No
Finance Company Name:	
Target RFP Design or Proposal Due Dates:	



Abbreviations

A

ABP

Alarm Board Processor

AC

Alternating Current

ACD

Automatic Call Distribution

ACM

Assistant Contract Manager

ADAP

Administration and Data Acquisition Package

ADC

Analog-to-Digital Converter

ADM

Administration Manager

ADU

Asynchronous Data Unit (ZA)

ADX

AUDIX State

AE

Account Executive

AFIO

Asynchronous File Input/Output

AIM

AUDIX Initialization Manager

AKSRV

AUDIX Kernel Server

ALB

Alarm Board (TN2169 or TN2170)

AMIS

Audio Messaging Interchange Specification

ANET

AUDIX Network

AOM

Alarm Origination Manager

API

Application Program Interface

ASC

Audio Session Control

ATTOMS

AT&T Order Management System

AUCC

AUDIX Upgrade Control Center

AUDIX

Audio Information Exchange

AWG

American Wire Gauge

B

BPS

Bits per second

BMPM

Board Mounted Power Module

BTU

British Thermal Unit

C

CALC

Call Answer Language Choice

CL

Control Link Integration

CLT

Control Link Trace Manager

CO

Central Office

COE

Centers of Excellence

COS

Class of Service

CPU

Central Processing Unit

D

DAC
Dial Access Code

DC
Direct Current

DCIU
Data Communications Interface Unit

DCP
Digital Communications Protocol

DCS
Distributed Communications System

DD
Disconnect Detect

DDD
Direct Distance Dialing

DID
Direct Inward Dialing

DIO
DSP Input/Output Controller

DIOD
Direct Inward/Outward Dialing

DLG
Dual Language Greetings

DM
Database Manager

DMA
Direct Memory Access

DOSS
Delivery Operations Support System

DP
Digital Port

DPE
Digital Port Emulation

DPC
DSP Parallel Interface Controller

DRAM
Dynamic Random Access Memory

DS
Display Set Integration

DS1
Digital Service 1

DSI
Digital Service Interface

DSIC
Dedicated Switch Installation Crew

DSP
Digital Signal Processor

DTE
Data Terminal Equipment

DTMF
Dual Tone Multifrequency

DUSCC
Dual Synchronous Channel Chip

E

EDT
Equipped Device Table

EIA
Electronic Industries Association

EMI
Electro-magnetic Interference

EPROM
Electrically Programmable Read Only Memory

ER
Error Manager

ES
Enhanced Services

ESS
Electronic Switching System

F

FAC
Faceplate and Alarm Controller

FC
Forms Control

Abbreviations

FIFO

First-In First-Out

FP

Feature Processor

FPROM

Flash Erasable Programmable Read Only Memory

FSA

File System Administrator

FSO

Field Service Organization

FW

Flashware

G

GBCS

Global Business Communications Systems

GBCSDC

Global Business Communications Systems Design Center

I

ICITT

International Consultive Committee for Telephony and Telegraphy

I²C

Inter-Integrated Circuit

IDI

Isolating Data Interface

IL

Installation Location

INADS

Initialization and Administration System

I/O

Input/Output

ISB

In Service Busy

ISI

In Service Idle

ISP

In Service Pending

ISDN

Integrated Services Digital Network

ITAC

International Technical Assistance Center

K

Kbps

Kilobits per second

Kbyte

Kilobyte (1024 bytes)

kHz

kilohertz

L

LAN

Local Area Network

LAT

Local Administration Terminal

LCD

Liquid Crystal Display

LEC

Local Exchange Carrier

LED

Light Emitting Diode

LWC

Leave Word Calling

M

Mbyte

Megabyte (approx. one million bytes)

MCM

Maintenance Control Manager

MD

Management Devices

Abbreviations

MFAT

Multifunction Analog Telephone

MFB

Multifunction Board

MHz

Megahertz

MM

Message Manager

MOJ

Material on Job

MP

Maintenance Procedure

MPDM

Modular Processor Data Module

MPM

Maintenance Procedure Manager

ms

Millisecond

MSB

Mass Storage Bracket

MSC

Message Service Center

MTBF

Mean Time Between Failures

MWI

Message Waiting Indication

N

NACS

New AUDIX Call Simulator

NDC

National Design Center

NMI

Nonmaskable Interrupt

NVRAM

Nonvolatile Random Access Memory

O

OA&M

Operations, Administration, and Maintenance

OOS-D

Out of Service Due to insufficient translations

OOS-F

Out of Service Fault

OOS-R

Out of Service Resource

OOS-T

Out of Service Testing

OS

Operating System

P

PBX

Private Branch Exchange

PC

Power Converter or Personal Computer

PDM

Processor Data Module

PEC

Price Element Code

PM

Project Manager

PPE

Packet Processing Element

PROC

Procedure

PROM

Programmable Read Only Memory

Q

QSD

Quick Silence Disconnect

R

RAM

Random Access Memory

RISC

Reduced Instruction Set Computer

RMT

Remote Maintenance Terminal

ROM

Read Only Memory

RNX

Route Number Index

RTU

Right to Use

S

SAKI

Sanity and Control Interface

SA

Software Associate

SAS

Subscriber-Specific Announcement Sets

SAT

System Administration Terminal

SCI

Switch Communications Interface

SCSI

Small Computer Systems Interface

SD

Switch Dispatcher, System Data

SDI

SCSI Driver Interface

SIM

System Implementation Manager

SS

Software Specialist, System Status

STRC

Sales Technical Response Center

STU

Standalone Tape Utilities

T

TBD

Tone Based Disconnect

TCP/IP

Transmission Control Protocol/Internet Protocol

TD

Target Driver

TDD

Telecommunications Device for the Deaf

TDM

Time Division Multiplex

TEG

Trunk Equipment Group

TSC

Technical Service Center

TSO

Technical Services Organization

U

UEQ

Unequipped

UL

Underwriters Laboratories

UPS

Uninterruptible Power Supply

USART

Universal Synchronous/Asynchronous Receiver-Transmitter

V

VB

Voice Buffer

Abbreviations

VD

Voice Data

VM

Voice Messages

VSC

Voice Session Control

W

WGS

Work Group System

Glossary

NUMERIC

10BaseT

A network baseband medium using twisted pair wire, operating at 10 Mbits per second.

A

Activity Menu

The list of main options voiced to subscribers when they access the DEFINITY AUDIX System.

Administration

The process of setting up a system (such as a switch or a voice mail system) so that it will function as desired. Options and defaults are normally set up (translated) by the system administrator or remote services personnel.

Alarm Board (ALB)

The hardware platform (TN2169 or TN2170) which works with the Multifunction board to provide monitoring for system power and environmental status, -48 VDC to +12 VDC power conversion for the system's disk and tape drives, and remote terminal access. The TN2170 also provides SCSI-to-Ethernet connectivity to support IMAPI.

Alarms

Hardware, software, or environmental problems that may affect system operation. These faults are classified as *major*, *minor*, or *warning*. They are recorded into an alarm log which can be accessed either locally or remotely on a terminal connected to the system.

Analog Port Emulation

One of the two port emulation modes that DEFINITY AUDIX may employ. The other mode is digital port board emulation. When emulating an analog port board (the TN746), only control link (CL) integration is possible.

Angel

A processor activity that exchanges TDM bus control messages and performs functions associated with call setup and port maintenance.

Announcement Fragment

A numbered piece of spoken voice mail information that makes up a system message or prompt.

Asynchronous Transmission

A form of serial communications where each transmitted character is bracketed with a start bit and one or two stop bits.

Asynchronous Data Unit (ADU)

A small device that can extend data transmission far beyond recommended Electronic Industries Association (EIA) limits over building wiring. System terminals may use a Z3A1 or Z3A4 ADU. (Used in some digital networking configurations.)

Audio Messaging Interchange Specification (AMIS)

An analog networking feature that allows subscribers of different voice mail systems to send voice mail messages to one another.

Audit

A software program that resolves filesystem incompatibilities and updates restored filesystems to a workable level of service. Audits are done automatically on a periodic basis, or can be performed on demand.

Audio Information Exchange (AUDIX)

A complete voice-mail messaging system accessed and operated by touch-tone telephones and integrated with a switch.

AUDIX Administration and Data Acquisition Package (ADAP)

A software package which allows the DEFINITY AUDIX administrator to transfer system subscriber, maintenance, or traffic data over the administration port to a personal computer (PC) or Work Group System (WGS).

Automated Attendant

A DEFINITY AUDIX feature that allows a customer to set up a main number with a menu of options that routes callers to an appropriate department at the touch of a button.

B

Backup

A duplicate copy of a filesystem saved on a removable tape. The backup filesystem may be copied back (restored) if the active version is damaged (corrupted) or lost.

Balun

On the DEFINITY AUDIX LAN connection, the adapter needed to connect the twisted-pair breakout cable to the coaxial building wire distribution system.

Baud Rate

Transmission signaling speed.

Boot (or Reboot)

The operation to start a computer system by loading programs from disk to main memory (part of system initialization).

Boot Filesystem

The filesystem from which the system loads its initial programs.

Broadcast Messaging

A feature that enables the system administrator and other designated users to send a voice mail message to all subscribers automatically.

Buffer

Memory used to compensate for time differences in transmission by temporarily storing data.

Busyout Service

When a technician or administrator blocks service to keep customers from using faulty equipment until it can be repaired or tested. For instance, when ports (or a link) are busied out, subscribers who try to access their mailboxes hear a *fast busy* reorder tone. People who would normally reach DEFINITY AUDIX through Call Answering are not forwarded; they hear ringing and no answer at the number they called.

C

Call Answer

A feature that allows the system to answer a call and record a message when the subscriber is unavailable. Callers may be redirected to the system through the call coverage or Call Forwarding switch features. Subscribers may record a personal greeting for these callers.

Call Answer Language Choice

Call answer multilingual option where a user can alternate between a primary language set and a secondary language. The two languages are administered on a per subscriber basis. If this feature is enabled, the subscriber may not use the standard DEFINITY AUDIX Multiple Personal Greetings feature.

Camp-On

A system shutdown option that waits for ports to become idle before blocking service to them. This allows subscribers to finish calls in progress.

Central Office (CO)

A main telephone office where private customer lines are terminated and connected to the public network through common carriers.

Central Processing Unit (CPU)

The Multifunction board's main processor that controls system data transfer, input/output (I/O), and logical instructions.

Class of Service (COS)

The standard set of features given to subscribers when they are first administered (set up with a voice mailbox).

Command Mode

A system state where flashware is in control and software is shut down. In this state, a technician has access to menu options to see flashware status and initialization history, run through flashware diagnostics, and to start or continue system initialization.

Configuration

The particular composition and hardware selected for a system, including internal options and peripheral equipment.

Control Link (CL)

The integration, or interface, between the DEFINITY AUDIX System and the switch that enables the transmission of control messages from the DEFINITY AUDIX System to the switch over a DCIU data link. The control messages are transmitted over a separate cable connection and carry information such as calling-party identification and message-waiting indicator status and control.

Control-Link Mode

The type of switch-link integration for which the DEFINITY AUDIX System, R2.0 or later, is connected to the switch via analog-line card emulation and a digital connection.

D

Digital Communications Protocol (DCP)

An AT&T proprietary protocol

DCP Mode 1

An AT&T proprietary Digital Communications Protocol (DCP) connection using a data rate of 56 Kbps for AUDIX Digital Networking. DCP Mode 1 uses a DS1 facility on the switch or a dedicated facility on the switch or a dedicated facility on a T1 carrier.

DCP Mode 2

DCP Mode 2 is an asynchronous, low-speed (9600 or 19,200 bps) connection for AUDIX Digital Networking. DCP Mode 2 uses a modem/data module or modem/Asynchronous Data Unit (ADU) arrangement and connects over analog or voice-grade data lines.

DCP Mode 3

A DCP connection using a data rate of 64 Kbps for AUDIX Digital Networking. DCP Mode 3 uses a DS1 or ISDN facility on the switch or a dedicated facility on a T1 carrier.

Default

A value that is automatically supplied if no other value is specified.

Digital-Port (DP) Mode

The type of switch-link integration for which the DEFINITY AUDIX System, up through release 3.1, is connected to the switch via digital port board emulation. The type of port board that the DEFINITY AUDIX emulates within the switch (TN754.)

Digital-Port (DP) Board Emulation

In R3.1 and earlier releases, this term referred to both the port emulation and to the integration method. In R3.2 and later, it refers to the port emulation only; the integration method can be either control link (CL) or display set (DS).

Digital Signal Processor (DSP)

Programmed RAM chips on the Multifunction board that provide signaling, power-level control, speech coding, and data processing.

Display Set (DS) Integration

A new term that replaces the term digital port integration for R3.2 and later. It refers to the use of the display and other messages sent from the switch to the port board for providing voice mail integration with the switch. Integration with the switch is achieved via display set messages. The messages carry information such as calling party identification and message waiting indicator status and control.

Disconnect Signaling Detection

Signaling from the CO to the PBX which indicates that the far end caller has hung up.

Dual Language Greetings

When the Call Answer Language Choice is in effect, the subscriber can record personalized greetings for each of the languages listed as the primary and secondary announcement sets. The subscriber instructs the caller to enter *1 to switch to the alternate language.

E

Errors

Problems detected by the system during automatic self-tests and recorded in an error log. Errors can produce an alarm (fault) if they exceed a threshold.

Events

Occurrences such as inline errors, maintenance procedure failures, alarms, errors, or transitions into or out of the *AUDIX* or *OA&M* states which are recorded in an events log.

F

Faceplate and Alarm Controller (FAC)

The circuitry on the Multifunction board which monitors activity of the DEFINITY AUDIX System.

Field

An area on a form, menu, or report where information can be typed or displayed.

Filesystems

A collection of related files (programs or data) stored on disk which are required to initialize a DEFINITY AUDIX System and provide full service.

Flashware

Code that is stored in electrically reprogrammable memory on the DEFINITY AUDIX System. This programming is retained over power outages but can be reprogrammed automatically on board during initialization.

Forms

Terminal screens of information that allow data to be displayed or changed.

G

Generic Tape

A copy of the standard software and standalone tape utilities that is shipped with a new system.

Graceful Shutdown

Taking the DEFINITY AUDIX System offline (to the maintenance shutdown state) using RESET SYSTEM SHUTDOWN in a camp-on manner.

Guest Password

A feature that allows people who are not subscribers to leave messages on the system by dialing a subscriber's extension and entering a system-wide guest password.

H

Header

Information that the system creates to identify a message. A message header includes the originator or recipient, type of message, creation time, and delivery time.

Hunt Group

A group of ports on a switch usually administered to search for available ports in a circular pattern.

I

Initialization

The process of bringing a system to a predetermined operational state. The start-up procedure tests hardware and flashware; loads the boot filesystem programs; locates, mounts, and opens other required filesystems; and starts normal service.

Initialization and Administration System (INADS)

A maintenance system used by remote technicians to track alarms.

Interboard Bus

The inter-integrated circuit (I²C) bus that provides connectivity between the Alarm board and the Multifunction board.

Intuity Message Manager

A PC application that is used for the retrieval and display of message headers, addressing to lists, managing personal greetings, and for creating, forwarding, and replying to voice mail messages.

L

Leave Word Calling

A switch feature that allows the calling party to leave a standard (nonvoice) message for the called party using a feature button or dial access code.

Light Emitting Diode (LED)

A red-light indicator on the system faceplate panel that shows the status of operations and possible fault conditions. An unlit LED indicates a healthy system. When flashing, the LED indicates a software problem. When it is steadily lit, a hardware problem exists.

Liquid Crystal Display (LCD)

The 10-character alphanumeric display on the DEFINITY AUDIX faceplate panel that automatically shows status of the system including alarms.

Local Area Network (LAN)

A short distance data communications network used to link computers and peripheral devices under some form of standard control

Local Maintenance Terminal (LMT)

A display terminal located near the DEFINITY AUDIX System and the switch. It is temporarily attached to the Multifunction board via a Y-cable during an on-site service visit.

Login

A unique code used to gain approved access to a subscriber's voice mailbox or to a display terminal.

M

Mailbox

A portion of disk memory given to each subscriber for creating and storing outgoing and incoming messages.

Message-Waiting Lamp

An LED on a telephone that alerts subscribers to new messages.

Modem

A modulator/demodulator used for transmitting analog signals across phone lines.

Multifunction Board (MFB)

The hardware platform (TN566B, 386 version and TN567, 486 version) which holds the central processing unit, controllers, memory devices, and signal processors that make a DEFINITY AUDIX System operational.

Multilingual System

A DEFINITY AUDIX System containing primary and secondary language announcement sets. A large (40 hour) system can hold up to nine different language sets. The Telecommunications Device for the Deaf (TDD)-based announcement set is treated as a multilingual option.

N

Native Mode

The ability of the switch to recognize the DEFINITY AUDIX Multifunction board (MFB) as a TN566B (AUDIX) circuit pack. With native mode support, the switch reserves five slots for the DEFINITY AUDIX assembly, and the switch is able to correctly identify the DEFINITY AUDIX board in alarms sent to the services organization.

Nonnative Mode

Without native mode, the MFB slot is provisioned as a TN754, TN2181 or TN746B, the five slots occupied by the DEFINITY AUDIX assembly are not reserved, and MFB alarms are reported as alarms for a TN754, TN2181, or TN746B.

Nonvolatile Random Access Memory (NVRAM)

A battery-backed RAM on the Multifunction board that retains data through loss of power.

Null Modem Cable

A cable which transposes transmit and receive leads on an RS-232 connection.

O

Operating System (OS)

The set of programs that runs the hardware and interprets software commands.

Operations, Administration, and Maintenance (OA&M)

A state of system operation where core processes of the Multifunction board are accessed, including system initialization, resource configuration, forms interface, entry into the maintenance subsystem, and filesystem access. Also entered when customer data must be restored.

Outcalling

A feature that allows the system to dial subscribers' numbers or go to pagers to inform them they have new messages.

P

Port

A connection or link between two devices, allowing information to travel through it to a desired location. For example, a switch port connects to a DEFINITY AUDIX port to allow a subscriber on a voice terminal to leave a message.

Protocol

A set of specific rules, procedures, or conventions relating to forms and timing of data transmission between two devices.

R

Reboot

A system *reboot* is done to clear major system problems (such as corrupt program memory). It also runs automatically whenever the system is powered up.

Remote Field Update

A set of software changes on a given release that is transmitted from a central location to customer equipment. Changes are generally restricted to serious *bug* fixes and are limited in volume.

Reply Loop Escape

Allows the subscriber the option to return to responding to a message after trying to reply to a non-subscriber message.

Restart

During maintenance, a system *restart* brings the system software back into full service, usually after an administrative shutdown. This is often done to try to clear software problems.

RISC

Reduced Instruction Set Computer. Refers to computers based on an unusually high speed processing technology that uses a far simpler set of operating commands.

S

Sanity and Control Interface (SAKI)

An integrated circuit that receives and transmits TDM bus control messages and monitors the sanity of the angel processor.

Shutdown States

States of system operation where either a technician can shut down the system for maintenance, or where a critical error condition brings down the system. In either case, filesystems are closed and the system can be powered down and removed from the carrier.

Small Computer Systems Interface (SCSI)

An interface standard defining the physical, logical, and electrical connections to computer system peripherals such as tape and disk drives.

Standalone Tape Utility

A software utility with options that include disk drive initialization, copying files from a generic tape onto the customer's disk, and map partition modification.

Subscriber Specific Announcement Set

When the Multilingual feature is enabled, each subscriber form has three fields specifying the announcement set with which the subscriber will interact with the system once they log in, and the two announcement sets with which callers to the subscriber's mailbox can interact with the system.

T

Transmission Control Protocol/Internet Protocol

A set of protocol standards which allows a process on one machine to send data to a process on another machine. Communication may be full or half duplex. TCP/IP includes support for multiple operating systems and machine architectures.

Technical Service Organization

Includes technical support organizations such as the Technical Service Center (TSC), National Service Assistance Center (NSAC), International Technical Assistance Center (ITAC), Center of Excellence (COE), Design Center (DC), Sales Technical Response Center (STRC), and National Technical Marketing (NTM).

Telecommunications Device for the Deaf (TDD)

A feature providing Call Answering and Personal Greeting capabilities to the hearing-impaired. The announcement set responds to Baudot tones which are input from a special keypad.

Time Division Multiplex (TDM) Bus

The interface between the DEFINITY AUDIX System and the switch that carries digitally-encoded voice waveforms and circuit-switched data.

U

Update

A limited incremental change on an existing release involving software only.

Upgrade

The replacement of one release with a new release. This may involve software, flashware, hardware, and/or data.

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