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Meridian 1

# Option 11C

## Software Installation Program Guide

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# Revision history

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**July 1991**

Release 1.0, Standard.

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# Contents

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<b>About this guide</b> .....	<b>vii</b>
<b>Chapter 1—An overview</b> .....	<b>1</b>
Introduction .....	1
Software Daughterboard .....	1
Software Delivery (PCMCIA) Card .....	1
Software Installation Program .....	2
Invoking the program .....	2
Function selection .....	2
Keycodes .....	3
Feature set and ISM parameters .....	4
Security Device .....	4
Aux ID .....	5
Customer database .....	5
Menu displays .....	6
<b>Chapter 2—New installation or 11/11E upgrade from a Software Daughterboard</b> .....	<b>9</b>
Introduction .....	9
How to install software in a new system .....	10
Summary of steps .....	10
Installing the software .....	10
<b>Chapter 3—New system installation from a Software Delivery (PMCIA) card</b> .....	<b>27</b>
Introduction .....	27

How to install software in a new system .....	28
Summary of steps .....	28
Installing the software .....	29
<b>Chapter 4— Option 11/11E upgrade using the Software Delivery (PCMCIA) card .....</b>	<b>43</b>
Introduction .....	43
How to upgrade to Option 11C .....	44
Summary of steps .....	44
Upgrading the software .....	45
<b>Chapter 5—Upgrade Option 11C software to a new release or issue .....</b>	<b>61</b>
Introduction .....	61
How to upgrade software on an existing Option 11C .....	62
Summary of steps .....	62
Upgrading to the new release of software .....	63
How to revert to the previous release of software .....	76
Summary of steps .....	76
Reverting to previous release of software .....	77
<b>Chapter 6—Option 11C Feature Set and ISM Parameters upgrade .....</b>	<b>83</b>
Introduction .....	83
How to upgrade Feature Set and ISM Parameters .....	83
Summary of steps .....	83
Upgrading Feature Set and ISM Parameters .....	83
<b>Chapter 7—Restoring a backed up database .....</b>	<b>95</b>
Introduction .....	95
How to restore a backed up database .....	95
Summary of steps .....	95
Restoring the database .....	95

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<b>Chapter 8—Archiving and removing databases</b> .....	<b>101</b>
Introduction .....	101
How to use archive feature .....	101
Summary of steps .....	102
Using the archive feature .....	102
<b>Chapter 9—Installing an archived database</b> .....	<b>111</b>
Introduction .....	111
How to install an archived database .....	111
Summary of steps .....	111
Installing the database .....	112
<b>Chapter 10—Reviewing and clearing upgrade information</b> .....	<b>117</b>
Introduction .....	117
How to review and clear upgrade information .....	117
Summary of steps .....	117
Reviewing and clearing upgrade information .....	117
<b>Chapter 11—Using the flash boot ROM utility</b> .....	<b>123</b>
Introduction .....	123
How to use the flash boot ROM utility .....	123
Summary of steps .....	123
Using the Flash Boot ROM Utility .....	124

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## About this guide

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This document describes the Option 11C Software Installation Program.

It includes an overview of what the program consists of, what its components are and how to use the feature to:

- install software in a new Option 11C
- upgrade to Option 11C from an Option 11 or Option 11E
- upgrade Option 11C software to a new release
- perform a same release software upgrade
- revert to a previous database
- restore a backed up database
- archive databases
- install archived databases
- review and clear upgrade information

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# Chapter 1—An overview

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## Introduction

This chapter gives a general overview of the Software Installation Program feature. It describes the operations it performs and the various components that are part of this feature.

System software and customer databases can be installed, upgraded and modified using the Software Installation program.

## Software Daughterboard

The Software Daughterboard contains all the components associated with a particular release of software including software patches, preconfigured customer database, feature sets and other pertinent databases and software. It interfaces with the Option 11C CPU through a connector mounted on the component side of the Small System Controller (SSC) card.

## Software Delivery (PCMCIA) Card

The PCMCIA is capable of storing (or archiving) several customer databases. Specific databases can then be retrieved and customized to suit individual Option 11C sites.

When upgrading or modifying an existing Option 11C, the PCMCIA stores a backup copy of the flash ROM while the flash ROM is being erased and re-programmed. If there is a problem during the upgrade or modification, the system can be restored to its previous state from the backup copy on the Software Delivery Card.

Once the installation or modification is completed successfully, the PCMCIA can be removed from the Small System Controller card and reused at other sites.

## Software Installation Program

The Software Installation Program provides a menu-driven method of selecting from the various options for installing, modifying or upgrading the software, customer data, feature set and Incremental Software Management (ISM) parameters. Information about the selections is stored in flash ROM in the form of a list of instructions for the program to follow when it is run.

### Invoking the program

The Software Installation Program must be run from TTY 0 (port 0 on card 0). There are two methods of invoking the Software Installation Program:

- 1 by issuing the “upgrade” command in overlay 143  
or
- 2 by pressing ^I (control I) keys while the installation prompt is displayed during SYSLOAD.

*Note:* When a new system is powered up before software has been installed, the Software Installation Program is invoked automatically.

### Function selection

The Software Installation Program is menu driven. The main menu provides the core functionality of the program. It encompasses the following key functions:

- installing software in a new system
- upgrading and modifying software in an existing system
- using utilities to work with archived databases, review data, back up data, undo an installation in progress and to clear unwanted data

After all installation or upgrade selections have been made, validating keycodes must be entered. If an invalid keycode is entered, the install function will not be allowed to continue.

*Note:* Entering an invalid keycode does not affect the software and databases on the present system.

Once the keycode validation passes, the software is installed.

The Software Installation Program has the following other options:

- **Clear Upgrade Information**  
If for any reason the installation is to be terminated after the keycodes are entered, but before the installation is done, the installation can be aborted with this option.
- **Confirm Upgrade Information**  
This option allows the review of the installation options chosen. It can be used after the keycodes are validated, but before the installation is done.
- **Set system time and date**  
This is usually done prior to installation to ensure that all flash drive files have their correct creation date.

## Keycodes

Installation of software, feature set and ISM parameters is protected by a security keycode scheme. The installation is not allowed unless the correct keycodes are entered.

Keycodes are required for each new installation as well as existing system upgrades. They are provided on a Keycode Data Sheet supplied with the software and security device. Keycodes are unique to each site for a particular combination of items such as software release, feature set, ISM parameters and so on.

*Note:* Contact your Northern Telecom representative if the Keycode Data Sheet is missing.

The Software Installation Program validates the keycodes. If the keycodes are valid, the installation function continues.

If the keycodes are rejected, the installation function is halted and one of the following actions can be taken.

- Check the software and make sure it is the correct version for this site
- Check the feature set and make sure the correct data was entered
- Check the ISM parameters and make sure the correct data was entered
- Check the keycodes and make sure the correct ones were entered (they must match the ones listed on the Keycode Data Sheet)
- Abort the installation

Validation of keycodes is limited to three consecutive attempts. After the third consecutive validation failure, the Software Installation Program returns to the main menu and any data entered during this session is lost.

## Feature set and ISM parameters

The Software Installation Program allows the selection of a feature set to be installed and enabled on the Option 11C system. A feature set (such as General Business Application, Advanced Networking, and so on) has an associated list of software packages and ISM parameters. Several preconfigured feature sets may be included on the Software Delivery Card.

The Software Installation Program also allows the addition of individual packages from the feature set and the changing of system ISM parameters.

Since additions and changes are keycode controlled, the packages and ISM parameters must match those corresponding to the site's keycodes.

*Note:* The Software Installation Program does not check the prerequisites and interactions of added packages.

## Security Device

A Security Device is provided with each new Option 11C system. This device is attached to the component side of the NTDK20 Small System Controller (SSC) card at time of initial installation and remains there for the life of the system.

## Aux ID

The Aux ID is entered using the Software Installation Program. When upgrading from an Option 11 or Option 11E, the existing site ID becomes the Aux ID. For new Option 11C sites, the Aux ID is the system security ID.

Once assigned, the Aux ID remains for the life of the Option 11C.

## Customer database

The Software Installation Program allows the installation of a customer database from one of the following sources:

- **Preconfigured database**  
Several preconfigured databases and their associated feature sets may be included on the Software Delivery Card.

In addition, a minimal database is provided which consists of an empty configuration record with no customer data.

- **Archived database**  
The Software Installation Program allows the archiving of various databases which can be used later at Option 11C sites. It allows multiple databases to be configured off-site and then installed ready-to-use at customer sites.

**Note:** Off-site programming of databases is subject to all security keycode restrictions. The off-site system must either be using the Security Device that will be installed in the Option 11C at the customer site, or must have its own keycodes for the feature set used.

- **Remote restored database**  
A database may be remotely restored using the Overlay 143 (LD 143) CCBR remote restore command. This also provides a method of upgrading an Option 11 or Option 11E to an Option 11C.
- **Database Upgrade Tool**  
An existing Option 11 or Option 11E can be extracted from an existing system and installed in an Option 11C through the use of the Database Upgrade Tool.
- **Backed up database**  
The Backed Up Database option allows the copy on the backup flash drive to be installed. It is provided to recover a customer database if the flash daughterboard, which contains the primary flash drive with the operational customer database, fails.

## Menu displays

The Software Installation program displays a series of easy to follow menus to assist in installing, upgrading and modifying system software and customer databases.

### Main menu

The *Software Installation Main* menu allows the selection of:

- 1) New System Installation
- 2) System Upgrade
- 3) Utilities

This selection is used to access the various utilities provided with the Software Installation Program.

### Feature Set menu

The *Select the Feature Set you Wish to Enable* menu displays a listing of the feature sets that are currently available for installation.

**Database Install menu**

The *Select Database to Install* menu offers a listing of the available databases.

**Database Archives menu**

The *Archived Database available* menu displays a listing of the archived databases that are available for selection.

**Database Upgrade menu**

The *Select type of upgrade to be performed* menu allows the selection of the type of upgrade to be performed options.

**Utilities menu**

The *Utilities* menu allows such things as restoration of backed up data, archiving, reviewing data, restoring archived databases, clearing upgrade information and undoing software installations.

**Restore menu**

The *Restore* menu provides access to methods of restoring backed up databases.

**Archive menu**

The *Archive* menu provides a means of listing, removing and storing customer databases in an archive.

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## Chapter 2—New installation or 11/11E upgrade from a Software Daughterboard

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### Introduction

This chapter describes how to install the software on a new Option 11C or when upgrading an existing Option 11/11E to Option 11C using the software daughterboard.

The Software Daughterboard is pre-programmed with the system software before being shipped to the customer site. This is the method used in most cases.

#### **CAUTION**

A Software Daughterboard, Security Device and Keycode Data Sheet are required to allow proper installation of the software. A keycode data sheet is needed to complete the installation. Refer to the keycode data sheet when entering the ISM parameters, adding packages or changing the AUX ID.

## How to install software in a new system

### Summary of steps

The Software Installation steps are summarized in the following list. They consist of:

- Installing the Software Daughterboard and Security Device.
- Selecting the New System Installation menu.
- Selecting Feature Set and packages.
- Selecting a database.
- Selecting Incremental Software Management (ISM) parameters.
- Validating keycodes.
- Loading the software.

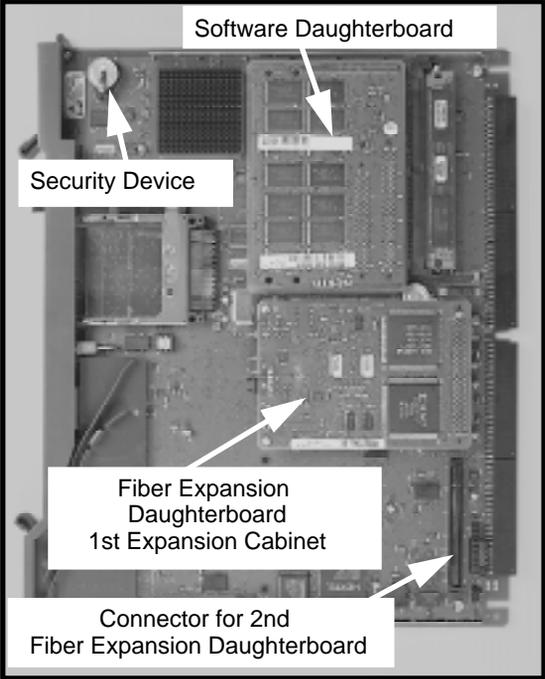
#### **CAUTION**

Wear the anti-static wrist strap provided in the bottom of the cabinet before handling circuit cards. Static electricity can damage the components of power supplies and circuit cards.

### Installing the software

The procedure on page 11 describes how to install the software.

**Software Installation Procedure**

<b>Step</b>	<b>Action</b>
<b>1</b>	<b>If not previously done, install the Software Daughterboard and Security Device on the NTDK20 Small System Controller (SSC) card.</b>
	<p>To install the Software Daughterboard and Security Device:</p> <ul style="list-style-type: none"><li>• Put on the anti-static wrist strap and insert the Software Daughterboard in the connector on the component side of the SSC card.</li><li>• Install any required Expansion Daughterboards.</li><li>• Insert the Security Device in the socket on the component side of the SSC card.</li></ul> 
—	—continued—

**Software Installation Procedure (Continued)**

Step	Action						
<b>2</b>	<b>If not previously done, install the NTDK20 Small System Controller (SSC) card in its slot (slot 0) of the main cabinet.</b>						
	If a fiber optic cable is present, make sure that it is placed in the Fiber Routing Guide.						
<b>3</b>	<b>If not previously done, power up the system.</b>						
	To power up the system: <ul style="list-style-type: none"> <li>• Make sure that the power is connected to the cabinet then set the circuit breaker on the front of the power supply unit to ON.</li> </ul>						
<b>4</b>	<b>Observe the terminal screen.</b>						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%; text-align: left;">If</th> <th style="width: 40%; text-align: left;">Do</th> </tr> </thead> <tbody> <tr> <td>INSERT SOFTWARE DELIVERY CARD message appears</td> <td>You are using the wrong procedure. Follow procedure in "Chapter 3—New system installation from a Software Delivery (PMCIA) card" on page 27.</td> </tr> <tr> <td>INSTALL SETUP PROGRAM message appears</td> <td>Step 5</td> </tr> </tbody> </table>	If	Do	INSERT SOFTWARE DELIVERY CARD message appears	You are using the wrong procedure. Follow procedure in "Chapter 3—New system installation from a Software Delivery (PMCIA) card" on page 27.	INSTALL SETUP PROGRAM message appears	Step 5
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If	Do						
Current system time and date: 00:00:00 -- 00/00/00 message appears	Step 6						
Software Installation Main Menu message appears	Step 7						
—continued—							

**Software Installation Procedure (Continued)**

<b>Step</b>	<b>Action</b>										
<b>6</b>	<b>Set the system Time and Date.</b>										
	<p><b>Note:</b> The Time and Date prompt appears only when the Install Setup Program detects a system Year Date that is not in the range of 1995-2095. The responses shown below are examples.</p> <p>To enter the system Time and Date:</p> <table border="1"> <thead> <tr> <th><b>Prompt</b></th> <th><b>Response (example)</b></th> </tr> </thead> <tbody> <tr> <td>Enter new time (hh/mm/ss)</td> <td>08:00:00&lt;cr&gt;</td> </tr> <tr> <td>Enter new date (yy/mm/dd)</td> <td>95/05/01&lt;cr&gt;</td> </tr> <tr> <td colspan="2">08:00:00 -- 95/05/01 is the new system time and date</td> </tr> <tr> <td>Is this correct?</td> <td>y&lt;cr&gt;</td> </tr> </tbody> </table>	<b>Prompt</b>	<b>Response (example)</b>	Enter new time (hh/mm/ss)	08:00:00<cr>	Enter new date (yy/mm/dd)	95/05/01<cr>	08:00:00 -- 95/05/01 is the new system time and date		Is this correct?	y<cr>
<b>Prompt</b>	<b>Response (example)</b>										
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Enter new date (yy/mm/dd)	95/05/01<cr>										
08:00:00 -- 95/05/01 is the new system time and date											
Is this correct?	y<cr>										
<b>7</b>	<b>Select item 1 from the Main Menu.</b>										
	<p>Software Installation Main Menu</p> <ol style="list-style-type: none"> <li>1. New System Installation or Option 11/11E Upgrade - From Software Daughterboard</li> <li>2. System Upgrade</li> <li>3. Utilities</li> <li>4. New System Installation - From Software Delivery Card</li> </ol> <p>[q]uit, [h]elp or [?], &lt;cr&gt; - redisplay</p> <table border="1"> <thead> <tr> <th><b>Prompt</b></th> <th><b>Response</b></th> </tr> </thead> <tbody> <tr> <td>Enter selection</td> <td>1&lt;cr&gt; (New system installation)</td> </tr> </tbody> </table>	<b>Prompt</b>	<b>Response</b>	Enter selection	1<cr> (New system installation)						
<b>Prompt</b>	<b>Response</b>										
Enter selection	1<cr> (New system installation)										
—continued—											

**Software Installation Procedure (Continued)**

Step	Action				
8	<p><b>Select the Feature Set to be enabled.</b></p>				
<p><b>Note:</b> The Feature Set selected must match the ones provided with key codes. The Feature Set names shown below are examples only.</p> <hr/> <p>*** NOTE: The following questions require information on the Keycode Data Sheet. Please have it available.***</p> <p>*** NOTE: If an External Data Card is being used for this system, please insert it into drive b: Now.***</p> <p>(The following feature sets are examples)</p> <p>Select Feature Set You Wish to Enable:</p> <ol style="list-style-type: none"> <li>1. General Business (NTSKxxxx)</li> <li>2. Enhanced Business (NTSKxxxx)</li> <li>3. Enterprise (NTSKxxxx)</li> <li>4. NAS/VNS ( NTSKxxxx)</li> </ol> <p>[q]uit, [p]revious, [m]ain menu, [h]elp or [?], &lt;cr&gt; redisplay</p>					
<table border="0" style="width: 100%;"> <thead> <tr> <th data-bbox="186 847 875 922">Prompt</th> <th data-bbox="875 847 1121 922">Response (example)</th> </tr> </thead> <tbody> <tr> <td data-bbox="186 922 875 997">Enter Selection:</td> <td data-bbox="875 922 1121 997"><b>2&lt;cr&gt;</b> (Enhanced Business)</td> </tr> </tbody> </table>		Prompt	Response (example)	Enter Selection:	<b>2&lt;cr&gt;</b> (Enhanced Business)
Prompt	Response (example)				
Enter Selection:	<b>2&lt;cr&gt;</b> (Enhanced Business)				
<p>—continued—</p>					

**Software Installation Procedure (Continued)**

Step	Action										
<b>9</b>	<b>Indicate whether or not packages are to be added.</b>										
	Feature Set Selection: Enhanced Business										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;"><b>Prompt</b></th> <th><b>Response</b> (example)</th> </tr> </thead> <tbody> <tr> <td>Do you wish to add packages?</td> <td><b>n</b>&lt;cr&gt; (no) <b>y</b>&lt;cr&gt; (yes) <b>a</b>&lt;cr&gt; (abort, return to main menu)</td> </tr> <tr> <td><b>If</b></td> <td><b>Do</b></td> </tr> <tr> <td>the response was <b>n</b></td> <td>Step 12</td> </tr> <tr> <td>the response was <b>y</b></td> <td>Step 10</td> </tr> </tbody> </table>	<b>Prompt</b>	<b>Response</b> (example)	Do you wish to add packages?	<b>n</b> <cr> (no) <b>y</b> <cr> (yes) <b>a</b> <cr> (abort, return to main menu)	<b>If</b>	<b>Do</b>	the response was <b>n</b>	Step 12	the response was <b>y</b>	Step 10
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the response was <b>n</b>	Step 12										
the response was <b>y</b>	Step 10										
<b>10</b>	<b>Select the Feature packages to be added.</b>										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;"><b>Prompt</b></th> <th><b>Response</b> (example)</th> </tr> </thead> <tbody> <tr> <td>Summary of Packages selected is: 0-2 4-5 7-14 16-25 28-29 32-64 67 70-77 79-83 86-93 95 98-104 107-111 113-116 118-120 122-125 127-129 131-133 135 137-141</td> <td></td> </tr> <tr> <td>Enter packages (s) to be added, blank line to end:</td> <td><b>215-235</b>&lt;cr&gt; &lt;cr&gt; (ends selection entry or if no packages are to be added)</td> </tr> </tbody> </table>	<b>Prompt</b>	<b>Response</b> (example)	Summary of Packages selected is: 0-2 4-5 7-14 16-25 28-29 32-64 67 70-77 79-83 86-93 95 98-104 107-111 113-116 118-120 122-125 127-129 131-133 135 137-141		Enter packages (s) to be added, blank line to end:	<b>215-235</b> <cr> <cr> (ends selection entry or if no packages are to be added)				
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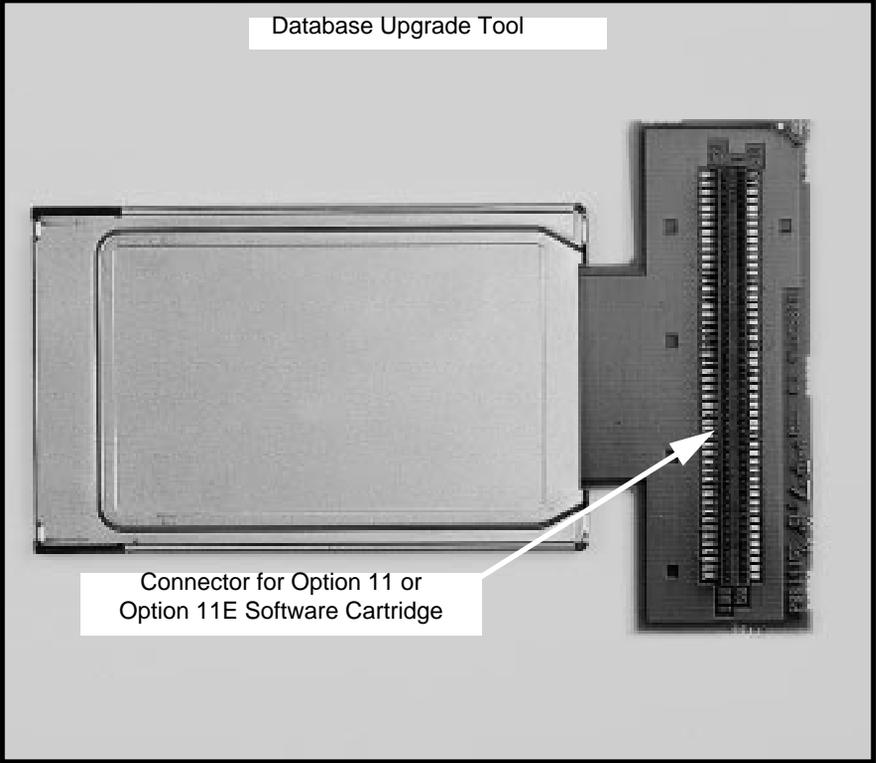
**Software Installation Procedure (Continued)**

Step	Action										
11	<b>Confirm Feature Set and packages.</b>										
	<p>Your Feature Set Selection is "Enhanced Business":                      Additional Packages selected: 215-235                      Summary of Packages selected is:                      0-2 4-5 7-14 16-25 28-29 32-64 67 70-77 79-83 86-93 95 100-104                      107-111 113-116 118-120 122-125 127-129 131-133 135 137-141                      ...                      ...                      200-208 215-235</p>										
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—continued—											

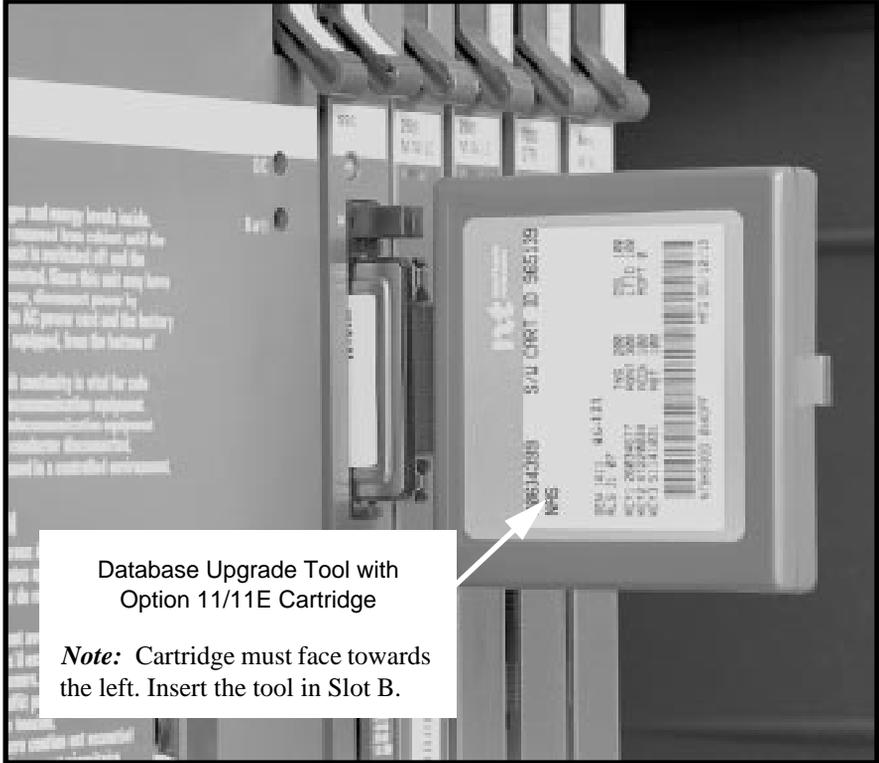
**Software Installation Procedure (Continued)**

<b>Step</b>	<b>Action</b>										
<b>12</b>	<b>Select a Database.</b>										
	<p>Select database to Install:</p> <ol style="list-style-type: none"> <li>1. Pre-Configured database - Enhanced Business</li> <li>2. Basic Configuration</li> <li>3. CCBR Restore File</li> <li>4. Option 11/11E Software Cartridge</li> </ol> <p>[q]uit, [p]revious, [m]ain menu, [h]elp or [?], &lt;cr&gt; redisplay</p>										
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<b>If</b>	<b>Do</b>										
selection was CCBR Restore File	Step 13										
selection was Option 11/11E Software Cartridge	Step 14										
<b>13</b>	<b>Confirm database selection.</b>										
	<p>Warning: you must have an Option 11/11E database. Do you wish to continue?</p>										
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<b>If</b>	<b>Do</b>										
the response was <b>n</b>	Step 12										
the response was <b>y</b>	Step 16										
—continued—											

Software Installation Procedure (Continued)

Step	Action
14	<b>Connect the Option 11/11E Software Cartridge to the Database Upgrade Tool.</b>
	<p data-bbox="203 362 1079 414">Connect the Option 11 or Option 11E Software Cartridge to the Database Upgrade Tool.</p>  <p data-bbox="534 1274 689 1299">—continued—</p>

**Software Installation Procedure (Continued)**

<b>Step</b>	<b>Action</b>
<b>15</b>	<b>Install the Database Upgrade Tool and cartridge.</b>
	<p>Insert the Database Upgrade Tool with the Option 11/11E cartridge installed into drive b:</p> <p>Press Enter to continue.</p>  <p data-bbox="319 1026 734 1209"><b>Database Upgrade Tool with Option 11/11E Cartridge</b></p> <p data-bbox="337 1138 710 1195"><b>Note:</b> Cartridge must face towards the left. Insert the tool in Slot B.</p>
—continued—	

**Software Installation Procedure (Continued)**

Step	Action																					
<b>16</b>	<b>Review ISM parameters.</b>																					
<p><b>Note:</b> On a new installation, the ISM parameters displayed on the terminal screen will be the default settings associated with the Feature Set selection. These settings can be accepted without changes or changed to suit the requirements of the new system.</p>																						
<p>Current ISM Parameters:</p> <table> <tr> <td>TNS</td> <td>(1000)</td> <td>(maximum number of terminal numbers)</td> </tr> <tr> <td>AGNT</td> <td>(1000)</td> <td>(maximum number of ACD agents)</td> </tr> <tr> <td>ACDN</td> <td>(0100)</td> <td>(maximum number of ACD DNs)</td> </tr> <tr> <td>AST</td> <td>(0000)</td> <td>(maximum number of associate Sets)</td> </tr> <tr> <td>DSL</td> <td>(0000)</td> <td>(maximum number of Digital Subscriber Loops)</td> </tr> <tr> <td>LTID</td> <td>(0000)</td> <td>(maximum number of Logical Terminal IDs)</td> </tr> <tr> <td>MOPT</td> <td>(0000)</td> <td>(Meridian Mail option)</td> </tr> </table>		TNS	(1000)	(maximum number of terminal numbers)	AGNT	(1000)	(maximum number of ACD agents)	ACDN	(0100)	(maximum number of ACD DNs)	AST	(0000)	(maximum number of associate Sets)	DSL	(0000)	(maximum number of Digital Subscriber Loops)	LTID	(0000)	(maximum number of Logical Terminal IDs)	MOPT	(0000)	(Meridian Mail option)
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the response was <b>n</b>	Step 19																					
—continued—																						

**Software Installation Procedure (Continued)**

Step	Action																		
<b>17</b>	<b>Select ISM parameters.</b>																		
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;"><b>Prompt</b> (example)</th> <th><b>Response</b> (example)</th> </tr> </thead> <tbody> <tr> <td colspan="2">Enter new ISM parameters, &lt;cr&gt; to leave as is:</td> </tr> <tr> <td>TNS (1000)</td> <td>&lt;cr&gt; (no change)</td> </tr> <tr> <td>AGNT (1000)</td> <td>&lt;cr&gt; (no change)</td> </tr> <tr> <td>ACDN (0100)</td> <td>&lt;cr&gt; (no change)</td> </tr> <tr> <td>AST (0000)</td> <td><b>100</b>&lt;cr&gt; (change)</td> </tr> <tr> <td>DSL (0000)</td> <td>&lt;cr&gt; (no change)</td> </tr> <tr> <td>LTID (0000)</td> <td>&lt;cr&gt; (no change)</td> </tr> <tr> <td>MOPT (0000)</td> <td>&lt;cr&gt; (no change)</td> </tr> </tbody> </table>	<b>Prompt</b> (example)	<b>Response</b> (example)	Enter new ISM parameters, <cr> to leave as is:		TNS (1000)	<cr> (no change)	AGNT (1000)	<cr> (no change)	ACDN (0100)	<cr> (no change)	AST (0000)	<b>100</b> <cr> (change)	DSL (0000)	<cr> (no change)	LTID (0000)	<cr> (no change)	MOPT (0000)	<cr> (no change)
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DSL (0000)	<cr> (no change)																		
LTID (0000)	<cr> (no change)																		
MOPT (0000)	<cr> (no change)																		
<b>18</b>	<b>Confirm ISM parameters.</b>																		
	<p>New ISM parameters are:</p> <p>TNS (1000)  AGNT (1000)  ACDN (0100)  AST (0100)  DSL (0000)  LTID (0000)  MOPT (0000)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;"><b>Prompt</b></th> <th><b>Response</b></th> </tr> </thead> <tbody> <tr> <td>Is this correct?</td> <td><b>n</b>&lt;cr&gt; (no)  <b>y</b>&lt;cr&gt; (yes)  <b>a</b>&lt;cr&gt; (abort, return to main menu)</td> </tr> <tr> <td><b>If</b></td> <td><b>Do</b></td> </tr> <tr> <td>the response was <b>n</b></td> <td>Step 16</td> </tr> <tr> <td>the response was <b>y</b></td> <td>Step 19</td> </tr> </tbody> </table>	<b>Prompt</b>	<b>Response</b>	Is this correct?	<b>n</b> <cr> (no) <b>y</b> <cr> (yes) <b>a</b> <cr> (abort, return to main menu)	<b>If</b>	<b>Do</b>	the response was <b>n</b>	Step 16	the response was <b>y</b>	Step 19								
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the response was <b>n</b>	Step 16																		
the response was <b>y</b>	Step 19																		
—continued—																			

**Software Installation Procedure (Continued)**

Step	Action										
<b>19</b>	<b>Define the AUX ID.</b>										
	<p><b>Note:</b> The default AUX ID is the system ID provided with the Option 11C. It should be replaced with the previous Option 11 or Option 11E site ID.</p>										
	<table border="1"> <thead> <tr> <th data-bbox="186 423 895 500">Prompt (example)</th> <th data-bbox="895 423 1121 500">Response (example)</th> </tr> </thead> <tbody> <tr> <td data-bbox="186 500 895 667">                     Security ID: 20000326                      Current AUX ID: 20000326                      Do you wish to change the AUX ID?                 </td> <td data-bbox="895 500 1121 667"> <b>y&lt;cr&gt;</b> (yes)  <b>n&lt;cr&gt;</b> (no)  <b>a&lt;cr&gt;</b> (abort, return to main menu)                 </td> </tr> <tr> <td data-bbox="186 667 895 716"><b>If</b></td> <td data-bbox="895 667 1121 716"><b>Do</b></td> </tr> <tr> <td data-bbox="186 716 895 764">the response was <b>n</b></td> <td data-bbox="895 716 1121 764">Step 21</td> </tr> <tr> <td data-bbox="186 764 895 813">the response was <b>y</b></td> <td data-bbox="895 764 1121 813">Step 20</td> </tr> </tbody> </table>	Prompt (example)	Response (example)	Security ID: 20000326 Current AUX ID: 20000326 Do you wish to change the AUX ID?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)	<b>If</b>	<b>Do</b>	the response was <b>n</b>	Step 21	the response was <b>y</b>	Step 20
Prompt (example)	Response (example)										
Security ID: 20000326 Current AUX ID: 20000326 Do you wish to change the AUX ID?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)										
<b>If</b>	<b>Do</b>										
the response was <b>n</b>	Step 21										
the response was <b>y</b>	Step 20										
<b>20</b>	<b>Enter the AUX ID.</b>										
	<table border="1"> <tbody> <tr> <td data-bbox="186 862 895 971">                     Enter the Option 11/11E System ID for the new AUX ID,                      &lt;cr&gt; to maintain                 </td> <td data-bbox="895 862 1121 971"><b>12121212&lt;cr&gt;</b></td> </tr> <tr> <td data-bbox="186 971 895 1138">                     New AUX ID: 12121212                       Is this correct?                 </td> <td data-bbox="895 971 1121 1138"> <b>y&lt;cr&gt;</b> (yes)  <b>n&lt;cr&gt;</b> (no)  <b>a&lt;cr&gt;</b> (abort, return to main menu)                 </td> </tr> </tbody> </table>	Enter the Option 11/11E System ID for the new AUX ID, <cr> to maintain	<b>12121212&lt;cr&gt;</b>	New AUX ID: 12121212  Is this correct?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)						
Enter the Option 11/11E System ID for the new AUX ID, <cr> to maintain	<b>12121212&lt;cr&gt;</b>										
New AUX ID: 12121212  Is this correct?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)										
—continued—											

**Software Installation Procedure (Continued)**

Step	Action										
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If	Do										
the response was <b>n</b>	Step 19										
the response was <b>y</b>	Step 21										
<b>21</b>	<b>Review and confirm information entered.</b>										
	<pre> New Installation Information Summary: System ID       :      20000326 Aux ID         :      12121212 Added Pkgs     :                      215-235 Feature Set    :                      Enhanced Business Database       :      Company.ABC                 OLD                NEW S/W Release    :                      2304C ISM Parameters :      OLD          NEW     TSN        :      1000        1000     AGNT       :      1000        1000     ACDN       :      0100        0100     AST        :      0000        0150     DSL        :      0000        0100     LTID       :      0000        0000     MOPT       :      0000        0000                     </pre> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Prompt</th> <th style="text-align: left;">Response</th> </tr> </thead> <tbody> <tr> <td>Is this correct?</td> <td><b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)</td> </tr> </tbody> </table> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">If</th> <th style="text-align: left;">Do</th> </tr> </thead> <tbody> <tr> <td>the response was <b>n</b></td> <td>Step 8</td> </tr> <tr> <td>the response was <b>y</b></td> <td>Step 22</td> </tr> </tbody> </table>	Prompt	Response	Is this correct?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)	If	Do	the response was <b>n</b>	Step 8	the response was <b>y</b>	Step 22
Prompt	Response										
Is this correct?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)										
If	Do										
the response was <b>n</b>	Step 8										
the response was <b>y</b>	Step 22										
—continued—											

**Software Installation Procedure (Continued)**

Step	Action										
<b>22</b>	<b>Enter the keycodes</b>										
	<i>Note:</i> Enter keycodes in place of <b>x, y, z</b> , shown in Response column.										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Prompt</th> <th style="width: 30%;">Response</th> </tr> </thead> <tbody> <tr> <td>Enter new Keycodes:</td> <td></td> </tr> <tr> <td>Key 1:</td> <td><b>xxxxxxx&lt;cr&gt;</b></td> </tr> <tr> <td>Key 2:</td> <td><b>yyyyyyy&lt;cr&gt;</b></td> </tr> <tr> <td>Key 3:</td> <td><b>zzzzzzz&lt;cr&gt;</b></td> </tr> </tbody> </table>	Prompt	Response	Enter new Keycodes:		Key 1:	<b>xxxxxxx&lt;cr&gt;</b>	Key 2:	<b>yyyyyyy&lt;cr&gt;</b>	Key 3:	<b>zzzzzzz&lt;cr&gt;</b>
Prompt	Response										
Enter new Keycodes:											
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	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">If</th> <th style="width: 30%;">Do</th> </tr> </thead> <tbody> <tr> <td>after the last keycode is entered, 'Keycode validation successful" ***WARNING*** A system restart will be invoked as part of the software installation process" message appears</td> <td>Step 23</td> </tr> <tr> <td>after the last keycode is entered, 'Keycode validation unsuccessful' message appears</td> <td>Step 22 again to re-enter correct keycodes</td> </tr> </tbody> </table>	If	Do	after the last keycode is entered, 'Keycode validation successful" ***WARNING*** A system restart will be invoked as part of the software installation process" message appears	Step 23	after the last keycode is entered, 'Keycode validation unsuccessful' message appears	Step 22 again to re-enter correct keycodes				
If	Do										
after the last keycode is entered, 'Keycode validation successful" ***WARNING*** A system restart will be invoked as part of the software installation process" message appears	Step 23										
after the last keycode is entered, 'Keycode validation unsuccessful' message appears	Step 22 again to re-enter correct keycodes										
	<i>Note:</i> After three unsuccessful keycode validation attempts, the following message appears.										
	Keycode validation unsuccessful. Installation aborted...returning to main menu.										
—continued—											

**Software Installation Procedure (Continued)**

<b>Step</b>	<b>Action</b>
<b>23</b>	<b>Complete the software installation.</b>
<b>Prompt</b>	<b>Response</b>
Are you sure you wish to perform the installation?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)
<b>If</b>	<b>Do</b>
response was <b>y</b>	—End—
response was <b>n</b>	Step 7
—End—	

---

## Chapter 3—New system installation from a Software Delivery (PCMCIA) card

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### Introduction

This chapter describes how to install software in a new Option 11C system using a Software Delivery (PCMCIA) card.

**CAUTION**

A Software Daughterboard, Security Device, Software Delivery (PCMCIA) card programmed with the new software and a Keycode Data Sheet are required to complete the installation. Refer to the keycode data sheet when entering the ISM parameters, adding packages or changing the AUX ID.

## How to install software in a new system

### Summary of steps

The Software Installation steps are summarized in the following list. They consist of:

- Installing the Software Daughterboard and Security Device.
- Selecting the New System Installation menu.
- Selecting Feature Set and packages.
- Selecting a database.
- Selecting Incremental Software Management (ISM) parameters.
- Validating keycodes.
- Loading the software.

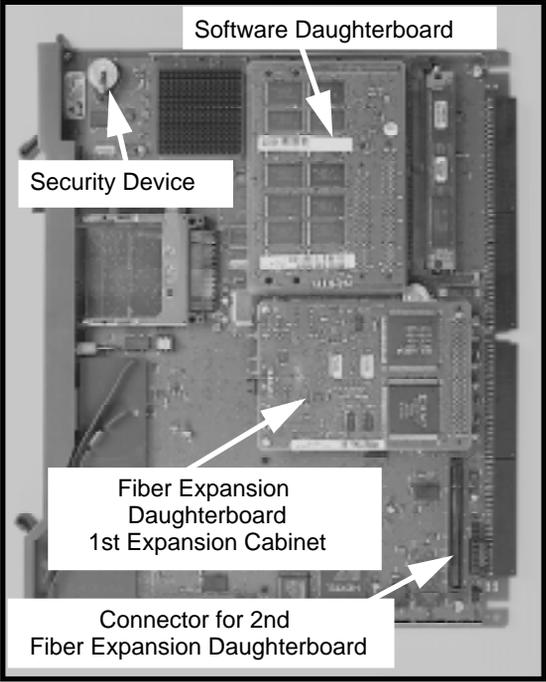
#### **CAUTION**

Wear the anti-static wrist strap provided in the bottom of the cabinet before handling circuit cards. Static electricity can damage the components of power supplies and circuit cards.

## Installing the software

The following procedure describes how to install the software.

### Software Installation Procedure

Step	Action
<b>1</b>	<b>If not previously done, install the Software Daughterboard and Security Device on the NTDK20 Small System Controller (SSC) card.</b>
	<p>To install the Software Daughterboard and Security Device:</p> <ul style="list-style-type: none"><li>• Put on the anti-static wrist strap and insert the Software Daughterboard in the connector on the component side of the SSC card.</li><li>• Insert the Security Device in the socket on the component side of the SSC card.</li></ul> 
	—continued—

**Software Installation Procedure (Continued)**

Step	Action						
<b>2</b>	<b>If not previously done, install the NTDK20 Small System Controller (SSC) card in its slot (slot 0) of the main cabinet.</b>						
	If a fiber optic cable is present, make sure that it is placed in the Fiber Routing Guide.						
<b>3</b>	<b>If not previously done, power up the system.</b>						
	To power up the system: <ul style="list-style-type: none"> <li>• Make sure that the power is connected to the cabinet then set the circuit breaker on the front of the power supply unit to ON.</li> </ul>						
<b>4</b>	<b>Observe the terminal screen.</b>						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 60%;">If</th> <th style="text-align: left; width: 40%;">Do</th> </tr> </thead> <tbody> <tr> <td>INSERT SOFTWARE DELIVERY CARD message appears</td> <td>Step 5 and install the Software Delivery card (PCMCIA)</td> </tr> <tr> <td>INSTALL SETUP PROGRAM message appears</td> <td>Step 6</td> </tr> </tbody> </table>	If	Do	INSERT SOFTWARE DELIVERY CARD message appears	Step 5 and install the Software Delivery card (PCMCIA)	INSTALL SETUP PROGRAM message appears	Step 6
If	Do						
INSERT SOFTWARE DELIVERY CARD message appears	Step 5 and install the Software Delivery card (PCMCIA)						
INSTALL SETUP PROGRAM message appears	Step 6						
—continued—							

**Software Installation Procedure (Continued)**

|--|



**Software Installation Procedure (Continued)**

<b>Step</b>	<b>Action</b>				
<b>8</b>	<b>Select item 1 from the Main Menu.</b>				
	<p>Software Installation Main Menu</p> <ol style="list-style-type: none"> <li>1. New System Installation or Option 11/11E Upgrade - From Software Daughterboard</li> <li>2. System Upgrade</li> <li>3. Utilities</li> <li>4. New System Installation - From Software Delivery Card</li> </ol> <p>[q]uit, [h]elp or [?], &lt;cr&gt; - redisplay</p>				
	<table border="1"> <thead> <tr> <th><b>Prompt</b></th> <th><b>Response</b></th> </tr> </thead> <tbody> <tr> <td>Enter selection</td> <td><b>4&lt;cr&gt;</b> (New system installation)</td> </tr> </tbody> </table>	<b>Prompt</b>	<b>Response</b>	Enter selection	<b>4&lt;cr&gt;</b> (New system installation)
<b>Prompt</b>	<b>Response</b>				
Enter selection	<b>4&lt;cr&gt;</b> (New system installation)				
<b>9</b>	<b>Select the Feature Set to be enabled.</b>				
	<p><b>Note:</b> The Feature Set selected must match the ones provided with key codes. The Feature Set names shown below are examples only.</p> <hr/> <p>*** NOTE: The following questions require information on the Keycode Data Sheet. Please have it available.***</p> <p>*** NOTE: If an External Data Card is being used for this system, please insert it into drive b: Now.***</p> <p>(The following feature sets are examples)</p> <p>Select Feature Set You Wish to Enable:</p> <ol style="list-style-type: none"> <li>1. General Business (NTSKxxxx)</li> <li>2. Enhanced Business (NTSKxxxx)</li> <li>3. Enterprise (NTSKxxxx)</li> <li>4. NAS/VNS ( NTSKxxxx)</li> </ol> <p>[q]uit, [p]revious, [m]ain menu, [h]elp or [?], &lt;cr&gt; redisplay</p>				
	—continued—				

**Software Installation Procedure (Continued)**

<b>Step</b>	<b>Action</b>	<b>Response</b> (example)
	<b>Prompt</b>	
	Enter Selection:	<b>2&lt;cr&gt;</b> (Enhanced Business)
<b>10</b>	<b>Indicate whether or not packages are to be added.</b>	
	Feature Set Selection: Enhanced Business	
	<b>Prompt</b>	<b>Response</b> (example)
	Do you wish to add packages?	<b>n&lt;cr&gt;</b> (no) <b>y&lt;cr&gt;</b> (yes) <b>a&lt;cr&gt;</b> (abort, return to main menu)
	<b>If</b>	<b>Do</b>
	the response was <b>n</b>	Step 13
	the response was <b>y</b>	Step 11
<b>11</b>	<b>Select the Feature packages to be added.</b>	
	Summary of Packages selected is: 0-2 4-5 7-14 16-25 28-29 32-64 67 70-77 79-83 86-93 95 98-104 107-111 113-116 118-120 122-125 127-129 131-133 135 137-141	
	<b>Prompt</b>	<b>Response</b> (example)
	Enter packages (s) to be added, blank line to end:	<b>215-235&lt;cr&gt;</b> <b>&lt;cr&gt;</b> (ends selection entry or if no packages are to be added)
—continued—		

**Software Installation Procedure (Continued)**

<b>Step</b>	<b>Action</b>										
<b>12</b>	<b>Confirm Feature Set and packages.</b>										
	<p>Your Feature Set Selection is "Enhanced Business":            Additional Packages selected: 215-235            Summary of Packages selected is:            0-2 4-5 7-14 16-25 28-29 32-64 67 70-77 79-83 86-93 95 100-104            107-111 113-116 118-120 122-125 127-129 131-133 135 137-141            ...            ...            200-208 215-235</p>										
	<table border="1"> <thead> <tr> <th><b>Prompt</b></th> <th><b>Response</b></th> </tr> </thead> <tbody> <tr> <td>Is this selection correct?</td> <td><b>n</b>&lt;cr&gt; (no) <b>y</b>&lt;cr&gt; (yes) <b>a</b>&lt;cr&gt; (abort, return to main menu)</td> </tr> <tr> <td><b>If</b></td> <td><b>Do</b></td> </tr> <tr> <td>the response was <b>n</b></td> <td>Step 9</td> </tr> <tr> <td>the response was <b>y</b></td> <td>Step 13</td> </tr> </tbody> </table>	<b>Prompt</b>	<b>Response</b>	Is this selection correct?	<b>n</b> <cr> (no) <b>y</b> <cr> (yes) <b>a</b> <cr> (abort, return to main menu)	<b>If</b>	<b>Do</b>	the response was <b>n</b>	Step 9	the response was <b>y</b>	Step 13
<b>Prompt</b>	<b>Response</b>										
Is this selection correct?	<b>n</b> <cr> (no) <b>y</b> <cr> (yes) <b>a</b> <cr> (abort, return to main menu)										
<b>If</b>	<b>Do</b>										
the response was <b>n</b>	Step 9										
the response was <b>y</b>	Step 13										
—continued—											

**Software Installation Procedure (Continued)**

Step	Action										
<b>13</b>	<b>Select a Database.</b>										
	<p>Select database to Install:</p> <ol style="list-style-type: none"> <li>1. Pre-Configured database - Enhanced Business</li> <li>2. Basic Configuration</li> <li>3. Archived Database</li> </ol> <p>[q]uit, [p]revious, [m]ain menu, [h]elp or [?], &lt;cr&gt; redisplay</p>										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Prompt</th> <th style="width: 40%;">Response (example)</th> </tr> </thead> <tbody> <tr> <td>Enter Selection:</td> <td><b>3&lt;cr&gt;</b></td> </tr> <tr> <td><b>If</b></td> <td><b>Do</b></td> </tr> <tr> <td>selection was Archived Database</td> <td>Step 14</td> </tr> <tr> <td>selection was other than Archived Database</td> <td>Step 15</td> </tr> </tbody> </table>	Prompt	Response (example)	Enter Selection:	<b>3&lt;cr&gt;</b>	<b>If</b>	<b>Do</b>	selection was Archived Database	Step 14	selection was other than Archived Database	Step 15
Prompt	Response (example)										
Enter Selection:	<b>3&lt;cr&gt;</b>										
<b>If</b>	<b>Do</b>										
selection was Archived Database	Step 14										
selection was other than Archived Database	Step 15										
<b>14</b>	<b>Select an Archived Database.</b>										
	<p>Archived Database available:</p> <ol style="list-style-type: none"> <li>1. Company ABC</li> <li>2. XYZ.Offices</li> <li>3. Green.Packaging</li> </ol> <p>[q]uit, [m]ain menu, [p]revious menu, &lt;cr&gt; - redisplay</p>										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Prompt (example)</th> <th style="width: 40%;">Response (example)</th> </tr> </thead> <tbody> <tr> <td>Enter Selection:</td> <td><b>1&lt;cr&gt;</b></td> </tr> <tr> <td colspan="2">Company.ABC database selected for installation.</td> </tr> </tbody> </table>	Prompt (example)	Response (example)	Enter Selection:	<b>1&lt;cr&gt;</b>	Company.ABC database selected for installation.					
Prompt (example)	Response (example)										
Enter Selection:	<b>1&lt;cr&gt;</b>										
Company.ABC database selected for installation.											
—continued—											

**Software Installation Procedure (Continued)**

Step	Action																					
<b>15</b>	<b>Review ISM parameters.</b>																					
<p><b>Note:</b> On a new installation, the ISM parameters displayed on the terminal screen will be the default settings associated with the Feature Set selection. These settings can be accepted without changes or changed to suit the requirements of the new system.</p>																						
<p>Current ISM Parameters:</p> <table border="0"> <tr> <td>TNS</td> <td>(1000)</td> <td>(maximum number of terminal numbers)</td> </tr> <tr> <td>AGNT</td> <td>(1000)</td> <td>(maximum number of ACD agents)</td> </tr> <tr> <td>ACDN</td> <td>(0100)</td> <td>(maximum number of ACD DNs)</td> </tr> <tr> <td>AST</td> <td>(0000)</td> <td>(maximum number of associate Sets)</td> </tr> <tr> <td>DSL</td> <td>(0000)</td> <td>(maximum number of Digital Subscriber Loops)</td> </tr> <tr> <td>LTID</td> <td>(0000)</td> <td>(maximum number of Logical Terminal IDs)</td> </tr> <tr> <td>MOPT</td> <td>(0000)</td> <td>(Meridian Mail option)</td> </tr> </table>		TNS	(1000)	(maximum number of terminal numbers)	AGNT	(1000)	(maximum number of ACD agents)	ACDN	(0100)	(maximum number of ACD DNs)	AST	(0000)	(maximum number of associate Sets)	DSL	(0000)	(maximum number of Digital Subscriber Loops)	LTID	(0000)	(maximum number of Logical Terminal IDs)	MOPT	(0000)	(Meridian Mail option)
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the response was <b>y</b>	Step 16																					
the response was <b>n</b>	Step 18																					
—continued—																						

Software Installation Procedure (Continued)

Step	Action																		
<b>16</b>	<b>Select ISM parameters.</b>																		
	<table border="1"> <thead> <tr> <th>Prompt (example)</th> <th>Response (example)</th> </tr> </thead> <tbody> <tr> <td colspan="2">Enter new ISM parameters, &lt;cr&gt; to leave as is:</td> </tr> <tr> <td>TNS (1000)</td> <td>&lt;cr&gt; (no change)</td> </tr> <tr> <td>AGNT (1000)</td> <td>&lt;cr&gt; (no change)</td> </tr> <tr> <td>ACDN (0100)</td> <td>&lt;cr&gt; (no change)</td> </tr> <tr> <td>AST (0000)</td> <td>100&lt;cr&gt; (change)</td> </tr> <tr> <td>DSL (0000)</td> <td>&lt;cr&gt; (no change)</td> </tr> <tr> <td>LTID (0000)</td> <td>&lt;cr&gt; (no change)</td> </tr> <tr> <td>MOPT (0000)</td> <td>&lt;cr&gt; (no change)</td> </tr> </tbody> </table>	Prompt (example)	Response (example)	Enter new ISM parameters, <cr> to leave as is:		TNS (1000)	<cr> (no change)	AGNT (1000)	<cr> (no change)	ACDN (0100)	<cr> (no change)	AST (0000)	100<cr> (change)	DSL (0000)	<cr> (no change)	LTID (0000)	<cr> (no change)	MOPT (0000)	<cr> (no change)
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DSL (0000)	<cr> (no change)																		
LTID (0000)	<cr> (no change)																		
MOPT (0000)	<cr> (no change)																		
<b>17</b>	<b>Confirm ISM parameters.</b>																		
	<p>New ISM parameters are:</p> <p>TNS (1000)  AGNT (1000)  ACDN (0100)  AST (0100)  DSL (0000)  LTID (0000)  MOPT (0000)</p> <table border="1"> <thead> <tr> <th>Prompt</th> <th>Response</th> </tr> </thead> <tbody> <tr> <td>Is this correct?</td> <td>n&lt;cr&gt; (no)  y&lt;cr&gt; (yes)  a&lt;cr&gt; (abort, return to main menu)</td> </tr> <tr> <td><b>If</b></td> <td><b>Do</b></td> </tr> <tr> <td>the response was n</td> <td>Step 15</td> </tr> <tr> <td>the response was y</td> <td>Step 18</td> </tr> </tbody> </table>	Prompt	Response	Is this correct?	n<cr> (no) y<cr> (yes) a<cr> (abort, return to main menu)	<b>If</b>	<b>Do</b>	the response was n	Step 15	the response was y	Step 18								
Prompt	Response																		
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<b>If</b>	<b>Do</b>																		
the response was n	Step 15																		
the response was y	Step 18																		
—continued—																			

**Software Installation Procedure (Continued)**

<b>Step</b>	<b>Action</b>										
<b>18</b>	<b>Define the AUX ID.</b>										
	<b>Note:</b> The default AUX ID is the system ID provided with the Option 11C. It should be replaced with the previous Option 11 or Option 11E site ID.										
	<table border="1"> <thead> <tr> <th><b>Prompt</b> (example)</th> <th><b>Response</b> (example)</th> </tr> </thead> <tbody> <tr> <td>Security ID: 20000326 Current AUX ID: 20000326 Do you wish to change the AUX ID?</td> <td><b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)</td> </tr> <tr> <th><b>If</b></th> <th><b>Do</b></th> </tr> <tr> <td>the response was <b>n</b></td> <td>Step 20</td> </tr> <tr> <td>the response was <b>y</b></td> <td>Step 19</td> </tr> </tbody> </table>	<b>Prompt</b> (example)	<b>Response</b> (example)	Security ID: 20000326 Current AUX ID: 20000326 Do you wish to change the AUX ID?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)	<b>If</b>	<b>Do</b>	the response was <b>n</b>	Step 20	the response was <b>y</b>	Step 19
<b>Prompt</b> (example)	<b>Response</b> (example)										
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<b>If</b>	<b>Do</b>										
the response was <b>n</b>	Step 20										
the response was <b>y</b>	Step 19										
<b>19</b>	<b>Enter the AUX ID.</b>										
	<table border="1"> <tbody> <tr> <td>Enter the Option 11/11E System ID for the new AUX ID, &lt;cr&gt; to maintain</td> <td><b>12121212&lt;cr&gt;</b></td> </tr> <tr> <td>New AUX ID: 12121212  Is this correct?</td> <td><b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)</td> </tr> </tbody> </table>	Enter the Option 11/11E System ID for the new AUX ID, <cr> to maintain	<b>12121212&lt;cr&gt;</b>	New AUX ID: 12121212  Is this correct?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)						
Enter the Option 11/11E System ID for the new AUX ID, <cr> to maintain	<b>12121212&lt;cr&gt;</b>										
New AUX ID: 12121212  Is this correct?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)										
—continued—											

**Software Installation Procedure (Continued)**

Step	Action						
	<table border="1" style="width: 100%;"> <thead> <tr> <th style="text-align: left;">If</th> <th style="text-align: left;">Do</th> </tr> </thead> <tbody> <tr> <td>the response was <b>n</b></td> <td>Step 18</td> </tr> <tr> <td>the response was <b>y</b></td> <td>Step 20</td> </tr> </tbody> </table>	If	Do	the response was <b>n</b>	Step 18	the response was <b>y</b>	Step 20
If	Do						
the response was <b>n</b>	Step 18						
the response was <b>y</b>	Step 20						
<b>20</b>	<b>Review and confirm information entered.</b>						
	<pre> New Installation Information Summary: System ID      :      20000326 Aux ID        :      12121212 Added Pkgs    :                      215-235 Feature Set   :                      Enhanced Business Database      :      Company.ABC                 OLD          NEW S/W Release   :                      2304C ISM Parameters:      OLD          NEW     TSN       :      1000      1000     AGNT      :      1000      1000     ACDN      :      0100      0100     AST       :      0000      0150     DSL       :      0000      0100     LTID      :      0000      0000     MOPT      :      0000      0000                     </pre>						
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Prompt	Response						
Is this correct?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)						
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If	Do						
the response was <b>n</b>	Step 9						
the response was <b>y</b>	Step 21						
—continued—							

**Software Installation Procedure (Continued)**

<b>Step</b>	<b>Action</b>										
<b>21</b>	<b>Enter the keycodes</b>										
	<i>Note:</i> Enter keycodes in place of <b>x, y, z</b> , shown in Response column.										
	<table border="1"> <thead> <tr> <th><b>Prompt</b></th> <th><b>Response</b></th> </tr> </thead> <tbody> <tr> <td>Enter new Keycodes:</td> <td></td> </tr> <tr> <td>Key 1:</td> <td><b>xxxxxxx&lt;cr&gt;</b></td> </tr> <tr> <td>Key 2:</td> <td><b>yyyyyyy&lt;cr&gt;</b></td> </tr> <tr> <td>Key 3:</td> <td><b>zzzzzzz&lt;cr&gt;</b></td> </tr> </tbody> </table>	<b>Prompt</b>	<b>Response</b>	Enter new Keycodes:		Key 1:	<b>xxxxxxx&lt;cr&gt;</b>	Key 2:	<b>yyyyyyy&lt;cr&gt;</b>	Key 3:	<b>zzzzzzz&lt;cr&gt;</b>
<b>Prompt</b>	<b>Response</b>										
Enter new Keycodes:											
Key 1:	<b>xxxxxxx&lt;cr&gt;</b>										
Key 2:	<b>yyyyyyy&lt;cr&gt;</b>										
Key 3:	<b>zzzzzzz&lt;cr&gt;</b>										
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<b>If</b>	<b>Do</b>										
after the last keycode is entered, 'Keycode validation successful" ***WARNING*** A system restart will be invoked as part of the software installation process" message appears	Step 22										
after the last keycode is entered, 'Keycode validation unsuccessful' message appears	Step 21 again to re-enter correct keycodes										
	<i>Note:</i> After three unsuccessful keycode validation attempts, the following message appears.										
	Keycode validation unsuccessful. Installation aborted...returning to main menu.										
—continued—											

**Software Installation Procedure (Continued)**

<b>Step</b>	<b>Action</b>										
<b>22</b>	<b>Complete the software installation.</b>										
	<table border="1"> <thead> <tr> <th><b>Prompt</b></th> <th><b>Response</b></th> </tr> </thead> <tbody> <tr> <td>Are you sure you wish to perform the installation?</td> <td><b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)</td> </tr> <tr> <th><b>If</b></th> <th><b>Do</b></th> </tr> <tr> <td>response was <b>y</b></td> <td>—End—</td> </tr> <tr> <td>response was <b>n</b></td> <td>Step 8</td> </tr> </tbody> </table>	<b>Prompt</b>	<b>Response</b>	Are you sure you wish to perform the installation?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)	<b>If</b>	<b>Do</b>	response was <b>y</b>	—End—	response was <b>n</b>	Step 8
<b>Prompt</b>	<b>Response</b>										
Are you sure you wish to perform the installation?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)										
<b>If</b>	<b>Do</b>										
response was <b>y</b>	—End—										
response was <b>n</b>	Step 8										
—End—											

---

## Chapter 4— Option 11/11E upgrade using the Software Delivery (PCMCIA) card

---

### Introduction

This chapter describes how to upgrade Option 11 or Option 11E database to Option 11C software and installing it in a new system using the Software Delivery (PCMCIA) card.

#### **CAUTION**

A Software Daughterboard, Security Device, Software Delivery (PCMCIA) card programmed with the new software and a Keycode Data Sheet are required to complete the upgrade. Refer to the keycode data sheet when entering the ISM parameters, adding packages or changing the AUX ID.

## How to upgrade to Option 11C

### Summary of steps

The Software Upgrading and Installation steps are summarized in the following list. They consist of:

- Installing the Software Daughterboard and the Security Device.
- Setting the system time and date.
- Selecting the System Upgrade function.
- Selecting Feature Set and packages.
- Transferring the database.
- Selecting Incremental Software Management (ISM) parameters.
- Validating keycodes.
- Loading the software.

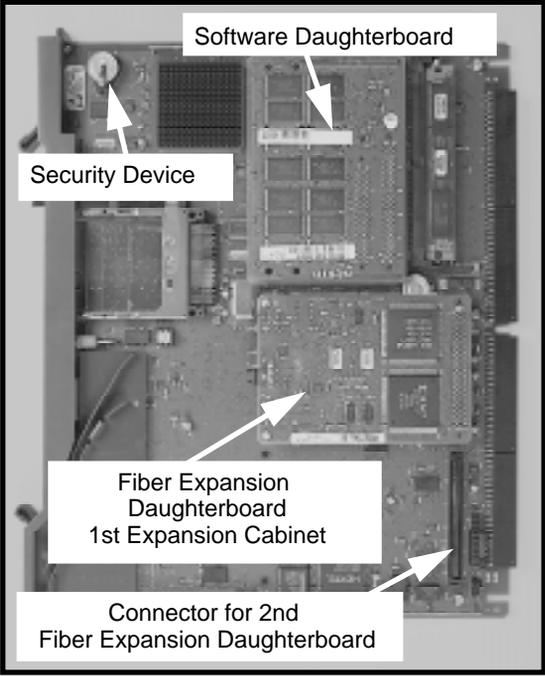
#### **CAUTION**

Wear the anti-static wrist strap provided in the bottom of the cabinet before handling circuit cards since static electricity can damage them.

## Upgrading the software

The following procedure describes how to upgrade and install the software.

### Software Upgrading Procedure

Step	Action
1	<b>If not previously done, install the Software Daughterboard and Security Device on the NTDK20 Small System Controller (SSC) card.</b>
	<p>To install the Software Daughterboard and Security Device:</p> <ul style="list-style-type: none"><li>• Wear the anti-static wrist strap and insert the Software Daughterboard in the connector on the component side of the SSC card.</li><li>• Insert the Security Device in the socket on the component side of the SSC card.</li></ul> 
	—continued—

Software Upgrading Procedure (Continued)

Step	Action
2	<p>If not previously done, install the NTDK20 Small System Controller (SSC) card in its slot (slot 0) of the main cabinet.</p> <p>If a fiber optic cable is present, make sure that it is placed in the Fiber Routing Guide.</p>
3	<p>Perform this step only if the Software Delivery (PCMCIA) card is being used to upgrade the system. If not using the Software Delivery card, go to Chapter 2.</p> <ul style="list-style-type: none"><li>Insert the card in slot A in the PCMCIA socket located in the faceplate of the NTDK20 Small System Controller (SSC) card. Gently press on the Software Delivery card until it is firmly seated.</li></ul>  <p>Software Delivery card in Slot A</p>
—continued—	

**Software Upgrading Procedure (Continued)**

Step	Action						
<b>4</b>	<b>If not previously done, power up the Option 11C.</b>						
	<p>To power up the system:</p> <ul style="list-style-type: none"> <li>• Make sure that the power is connected to the cabinet then set the circuit breaker on the front of the power supply unit to ON.</li> </ul>						
<b>5</b>	<b>Observe the terminal screen.</b>						
	<table border="1"> <thead> <tr> <th data-bbox="251 524 933 568">If</th> <th data-bbox="933 524 1184 568">Do</th> </tr> </thead> <tbody> <tr> <td data-bbox="251 568 933 670">INSERT SOFTWARE DELIVERY CARD message appears</td> <td data-bbox="933 568 1184 670">Step 6 and check the Software Delivery card</td> </tr> <tr> <td data-bbox="251 670 933 748">INSTALL SETUP PROGRAM message appears</td> <td data-bbox="933 670 1184 748">Step 7</td> </tr> </tbody> </table>	If	Do	INSERT SOFTWARE DELIVERY CARD message appears	Step 6 and check the Software Delivery card	INSTALL SETUP PROGRAM message appears	Step 7
If	Do						
INSERT SOFTWARE DELIVERY CARD message appears	Step 6 and check the Software Delivery card						
INSTALL SETUP PROGRAM message appears	Step 7						
<b>6</b>	<b>Skip this step unless the Software Delivery (PCMCIA) card is being used to install the software. If not previously done, install the Software Delivery card in the socket in the faceplate of the SSC card.</b>						
	<p>To install the Software Delivery card:</p> <ul style="list-style-type: none"> <li>• Insert the card in slot A in the PCMCIA socket located in the faceplate of the NTDK20 Small System Controller (SSC) card. Gently press on the Software Delivery card until it is firmly seated.</li> </ul>						
—continued—							

**Software Upgrading Procedure (Continued)**

Step	Action										
<b>7</b>	<b>Observe the terminal screen.</b>										
	<table border="0" style="width: 100%;"> <tr> <td style="width: 60%;"><b>If</b></td> <td style="width: 40%;"><b>Do</b></td> </tr> <tr> <td>Current system time and date: 00:00:00 -- 00/00/00 message appears</td> <td>Step 8</td> </tr> <tr> <td>Software Installation Main Menu message appears</td> <td>Step 9</td> </tr> </table>	<b>If</b>	<b>Do</b>	Current system time and date: 00:00:00 -- 00/00/00 message appears	Step 8	Software Installation Main Menu message appears	Step 9				
<b>If</b>	<b>Do</b>										
Current system time and date: 00:00:00 -- 00/00/00 message appears	Step 8										
Software Installation Main Menu message appears	Step 9										
<b>8</b>	<b>Set the system Time and Date.</b>										
	<p><b>Note:</b> The Time and Date prompt appears only when the Install Setup Program detects a system Year Date that is not in the range of 1995-2095. The responses shown below are examples.</p> <p>To enter the system Time and Date:</p> <table border="0" style="width: 100%;"> <tr> <td style="width: 60%;"><b>Prompt</b></td> <td style="width: 40%;"><b>Response (example)</b></td> </tr> <tr> <td>Enter new time (hh/mm/ss)</td> <td>08:00:00&lt;cr&gt;</td> </tr> <tr> <td>Enter new date (yy/mm/dd)</td> <td>95/05/01&lt;cr&gt;</td> </tr> <tr> <td colspan="2">08:00:00 -- 95/05/01 is the new system time and date</td> </tr> <tr> <td>Is this correct?</td> <td>y&lt;cr&gt;</td> </tr> </table>	<b>Prompt</b>	<b>Response (example)</b>	Enter new time (hh/mm/ss)	08:00:00<cr>	Enter new date (yy/mm/dd)	95/05/01<cr>	08:00:00 -- 95/05/01 is the new system time and date		Is this correct?	y<cr>
<b>Prompt</b>	<b>Response (example)</b>										
Enter new time (hh/mm/ss)	08:00:00<cr>										
Enter new date (yy/mm/dd)	95/05/01<cr>										
08:00:00 -- 95/05/01 is the new system time and date											
Is this correct?	y<cr>										
<b>9</b>	<b>Select item 2 from the Main Menu.</b>										
	<p>Software Installation Main Menu</p> <ol style="list-style-type: none"> <li>1. New System Installation or Option 11/11E Upgrade - From Software Daughterboard</li> <li>2. System Upgrade</li> <li>3. Utilities</li> <li>4. New System Installation - From Software Delivery Card</li> </ol> <p>[q]uit, [h]elp or [?] , &lt;cr&gt; - redisplay</p>										
—continued—											

**Software Upgrading Procedure (Continued)**

Step	Action				
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Prompt</th> <th style="width: 30%;">Response</th> </tr> </thead> <tbody> <tr> <td>Enter selection</td> <td><b>2&lt;cr&gt;</b> (System Upgrade)</td> </tr> </tbody> </table>	Prompt	Response	Enter selection	<b>2&lt;cr&gt;</b> (System Upgrade)
Prompt	Response				
Enter selection	<b>2&lt;cr&gt;</b> (System Upgrade)				
<b>10</b>	<b>Select the type of upgrade to be performed.</b>				
	<p>Meridian 1 Software Rls 2202b will be installed.</p> <p>Select type of upgrade to be performed:</p> <ol style="list-style-type: none"> <li>1. Option 11/11E to Option 11C</li> <li>2. Option 11C New Software Upgrade</li> <li>3. Option 11C Feature/parameter upgrade</li> </ol> <p>[q]uit, &lt;cr&gt; current menu, [m]ain menu, [h]elp or [?], [p]revious menu</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Prompt</th> <th style="width: 30%;">Response</th> </tr> </thead> <tbody> <tr> <td>Enter Selection:</td> <td><b>1&lt;cr&gt;</b></td> </tr> </tbody> </table>	Prompt	Response	Enter Selection:	<b>1&lt;cr&gt;</b>
Prompt	Response				
Enter Selection:	<b>1&lt;cr&gt;</b>				
<b>11</b>	<b>Select the Feature Set to be enabled.</b>				
	<p><b>Note:</b> The Feature Set selected must match the ones provided with key codes. The Feature Set names shown below are examples only.</p> <hr/> <p>*** NOTE: The following questions require information on the Keycode Data Sheet. Please have it available.***</p> <p>*** NOTE: If an External Data Card is being used for this system, please insert it into drive b: Now.***</p> <p>(The following feature sets are examples)</p> <p>Select Feature Set You Wish to Enable:</p> <ol style="list-style-type: none"> <li>1. General Business (NTSKxxxx)</li> <li>2. Enhanced Business (NTSKxxxx)</li> <li>3. Enterprise (NTSKxxxx)</li> <li>4. NAS/VNS ( NTSKxxxx)</li> </ol> <p>[q]uit, [p]revious, [m]ain menu, [h]elp or [?], &lt;cr&gt; redisplay</p>				
—continued—					

**Software Upgrading Procedure (Continued)**

Step	Action										
	<table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 70%;">Prompt</th> <th style="width: 30%;">Response (example)</th> </tr> </thead> <tbody> <tr> <td>Enter Selection:</td> <td><b>2</b>&lt;cr&gt; (Enhanced Business)</td> </tr> </tbody> </table>	Prompt	Response (example)	Enter Selection:	<b>2</b> <cr> (Enhanced Business)						
Prompt	Response (example)										
Enter Selection:	<b>2</b> <cr> (Enhanced Business)										
<b>12</b>	<b>Indicate whether or not packages are to be added.</b>										
	Feature Set Selection: Enhanced Business										
	<table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 70%;">Prompt</th> <th style="width: 30%;">Response (example)</th> </tr> </thead> <tbody> <tr> <td>Do you wish to add packages?</td> <td><b>n</b>&lt;cr&gt; (no) <b>y</b>&lt;cr&gt; (yes) <b>a</b>&lt;cr&gt; (abort, return to main menu)</td> </tr> <tr> <td><b>If</b></td> <td><b>Do</b></td> </tr> <tr> <td>the response was <b>n</b></td> <td>Step 15</td> </tr> <tr> <td>the response was <b>y</b></td> <td>Step 13</td> </tr> </tbody> </table>	Prompt	Response (example)	Do you wish to add packages?	<b>n</b> <cr> (no) <b>y</b> <cr> (yes) <b>a</b> <cr> (abort, return to main menu)	<b>If</b>	<b>Do</b>	the response was <b>n</b>	Step 15	the response was <b>y</b>	Step 13
Prompt	Response (example)										
Do you wish to add packages?	<b>n</b> <cr> (no) <b>y</b> <cr> (yes) <b>a</b> <cr> (abort, return to main menu)										
<b>If</b>	<b>Do</b>										
the response was <b>n</b>	Step 15										
the response was <b>y</b>	Step 13										
<b>13</b>	<b>Select the Feature packages to be added.</b>										
	<table border="1" style="width: 100%;"> <thead> <tr> <th style="width: 70%;">Prompt</th> <th style="width: 30%;">Response (example)</th> </tr> </thead> <tbody> <tr> <td>Summary of Packages selected is: 0-2 4-5 7-14 16-25 28-29 32-64 67 70-77 79-83 86-93 95 98-104 107-111 113-116 118-120 122-125 127-129 131-133 135 137-141</td> <td></td> </tr> <tr> <td>Enter packages (s) to be added, blank line to end:</td> <td><b>215-235</b>&lt;cr&gt; &lt;cr&gt; (ends selection entry or if no packages are to be added)</td> </tr> </tbody> </table>	Prompt	Response (example)	Summary of Packages selected is: 0-2 4-5 7-14 16-25 28-29 32-64 67 70-77 79-83 86-93 95 98-104 107-111 113-116 118-120 122-125 127-129 131-133 135 137-141		Enter packages (s) to be added, blank line to end:	<b>215-235</b> <cr> <cr> (ends selection entry or if no packages are to be added)				
Prompt	Response (example)										
Summary of Packages selected is: 0-2 4-5 7-14 16-25 28-29 32-64 67 70-77 79-83 86-93 95 98-104 107-111 113-116 118-120 122-125 127-129 131-133 135 137-141											
Enter packages (s) to be added, blank line to end:	<b>215-235</b> <cr> <cr> (ends selection entry or if no packages are to be added)										
—continued—											

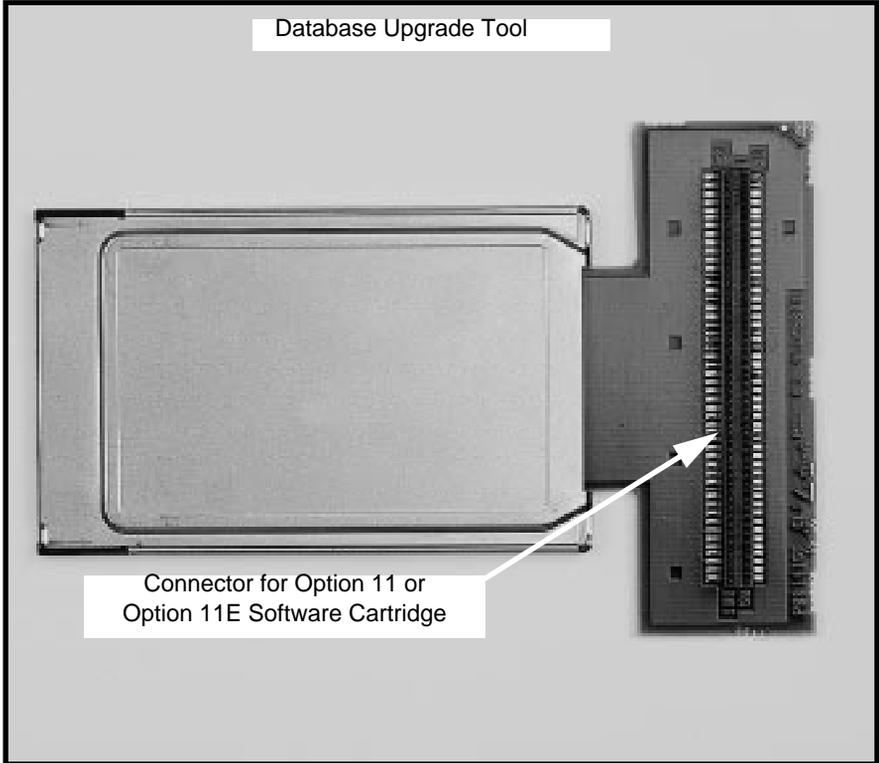
**Software Upgrading Procedure (Continued)**

<b>Step</b>	<b>Action</b>										
<b>14</b>	<b>Confirm Feature Set and packages.</b>										
	<pre>Your Feature Set Selection is "Enhanced Business": Additional Packages selected: 215-235 Summary of Packages selected is: 0-2 4-5 7-14 16-25 28-29 32-64 67 70-77 79-83 86-93 95 100-104 107-111 113-116 118-120 122-125 127-129 131-133 135 137-141 ... ... 200-208 215-235</pre>										
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<b>Prompt</b>	<b>Response</b>										
Is this selection correct?	<b>n</b> <cr> (no) <b>y</b> <cr> (yes) <b>a</b> <cr> (abort, return to main menu)										
<b>If</b>	<b>Do</b>										
the response was <b>n</b>	Step 11										
the response was <b>y</b>	Step 15										
<b>15</b>	<b>Select a Database.</b>										
	<pre>Select Option11/11E Database Source 1. CCBR Restore file 2. Option 11/11E Software Cartridge [q]uit, [m]ain, [p]revious menu, &lt;cr&gt; - redisplay</pre>										
	<table border="1"> <thead> <tr> <th><b>Prompt</b></th> <th><b>Response</b></th> </tr> </thead> <tbody> <tr> <td>Enter Selection:</td> <td><b>1</b>&lt;cr&gt; or <b>2</b>&lt;cr&gt;</td> </tr> <tr> <td><b>If</b></td> <td><b>Do</b></td> </tr> <tr> <td>the response was <b>1</b></td> <td>Step 16</td> </tr> <tr> <td>the response was <b>2</b></td> <td>Step 17</td> </tr> </tbody> </table>	<b>Prompt</b>	<b>Response</b>	Enter Selection:	<b>1</b> <cr> or <b>2</b> <cr>	<b>If</b>	<b>Do</b>	the response was <b>1</b>	Step 16	the response was <b>2</b>	Step 17
<b>Prompt</b>	<b>Response</b>										
Enter Selection:	<b>1</b> <cr> or <b>2</b> <cr>										
<b>If</b>	<b>Do</b>										
the response was <b>1</b>	Step 16										
the response was <b>2</b>	Step 17										
—continued—											

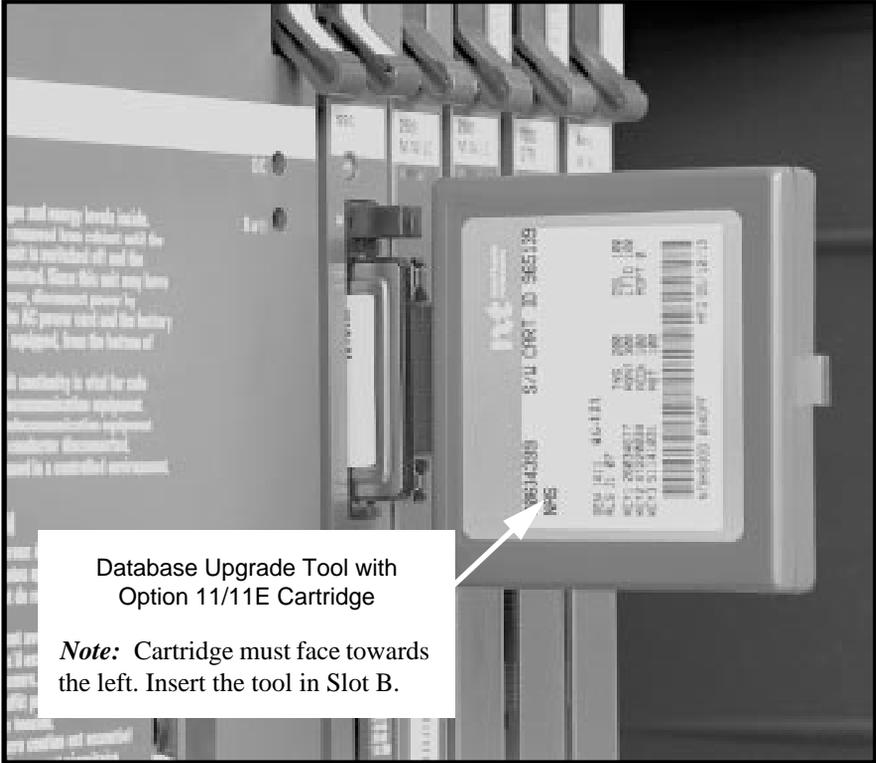
**Software Upgrading Procedure (Continued)**

Step	Action
<b>16</b>	<b>Confirm database selection.</b>
Warning: you must have an Option 11/11E database. Do you wish to continue?	
<b>Prompt</b> (example)	<b>Response</b> (example)
Do you wish to continue?	<b>n&lt;cr&gt;</b> (no) <b>y&lt;cr&gt;</b> (yes) <b>a&lt;cr&gt;</b> (abort, return to main menu)
<b>If</b>	<b>Do</b>
the response was <b>n</b>	Step 15
the response was <b>y</b>	Step 19
—continued—	

**Software Upgrading Procedure (Continued)**

Step	Action
17	<p><b>Connect the Option 11/11E Software Cartridge to the Database Upgrade Tool.</b></p> <p><i>Note:</i> Perform this step only when upgrading using the Option 11/11E Software Cartridge as a database source (as determined in Step 15). If upgrading using the CCBR Restore file as a database source, complete Step 16, then do Step 19.</p> <ul style="list-style-type: none"> <li>Connect the Option 11 or Option 11E Software Cartridge to the Database Upgrade Tool.</li> </ul>
 <p>The diagram illustrates the physical connection between a software cartridge and a database upgrade tool. On the left is a rectangular software cartridge with a connector on its right edge. On the right is a larger circuit board labeled 'Database Upgrade Tool' with a corresponding connector on its left edge. A white arrow points from the label 'Connector for Option 11 or Option 11E Software Cartridge' to the connector on the cartridge. Another label 'Database Upgrade Tool' points to the connector on the tool.</p>	
<p>—continued—</p>	

Software Upgrading Procedure (Continued)

Step	Action
18	<b>Install the Database Upgrade Tool and cartridge.</b>
	<p>Insert the Database Upgrade Tool with the Option 11/11E cartridge installed into drive b:</p> <p>Press Enter to continue.</p>  <p data-bbox="257 1031 669 1209">Database Upgrade Tool with Option 11/11E Cartridge</p> <p data-bbox="270 1128 650 1193"><i>Note:</i> Cartridge must face towards the left. Insert the tool in Slot B.</p>

—continued—

**Software Upgrading Procedure (Continued)**

Step	Action																															
<b>19</b>	<b>Review ISM parameters.</b>																															
	<p><b>Note:</b> The ISM parameters displayed on the terminal screen are the default settings associated with the Feature Set selection. These settings can be accepted without changes or changed to suit the requirements of the new system.</p> <hr/> <p>Current ISM Parameters:</p> <table> <tr> <td>TNS</td> <td>(1000)</td> <td>(maximum number of terminal numbers)</td> </tr> <tr> <td>AGNT</td> <td>(1000)</td> <td>(maximum number of ACD agents)</td> </tr> <tr> <td>ACDN</td> <td>(0100)</td> <td>(maximum number of ACD DN's)</td> </tr> <tr> <td>AST</td> <td>(0000)</td> <td>(maximum number of associate Sets)</td> </tr> <tr> <td>DSL</td> <td>(0000)</td> <td>(maximum number of Digital Subscriber Loops)</td> </tr> <tr> <td>LTID</td> <td>(0000)</td> <td>(maximum number of Logical Terminal IDs)</td> </tr> <tr> <td>MOPT</td> <td>(0000)</td> <td>(Meridian Mail option)</td> </tr> </table> <hr/> <table border="1"> <thead> <tr> <th style="text-align: left;">Prompt</th> <th style="text-align: left;">Response</th> </tr> </thead> <tbody> <tr> <td>Do you wish to change ISM parameters?</td> <td><b>n</b>&lt;cr&gt; (no change) <b>y</b>&lt;cr&gt; (change)</td> </tr> <tr> <td><b>If</b></td> <td><b>Do</b></td> </tr> <tr> <td>the response was <b>n</b></td> <td>Step 22</td> </tr> <tr> <td>the response was <b>y</b></td> <td>Step 20</td> </tr> </tbody> </table>	TNS	(1000)	(maximum number of terminal numbers)	AGNT	(1000)	(maximum number of ACD agents)	ACDN	(0100)	(maximum number of ACD DN's)	AST	(0000)	(maximum number of associate Sets)	DSL	(0000)	(maximum number of Digital Subscriber Loops)	LTID	(0000)	(maximum number of Logical Terminal IDs)	MOPT	(0000)	(Meridian Mail option)	Prompt	Response	Do you wish to change ISM parameters?	<b>n</b> <cr> (no change) <b>y</b> <cr> (change)	<b>If</b>	<b>Do</b>	the response was <b>n</b>	Step 22	the response was <b>y</b>	Step 20
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the response was <b>n</b>	Step 22																															
the response was <b>y</b>	Step 20																															
—continued—																																

Software Upgrading Procedure (Continued)

Step	Action																		
<b>20</b>	<b>Select ISM parameters.</b>																		
	<table border="1"> <thead> <tr> <th>Prompt (example)</th> <th>Response (example)</th> </tr> </thead> <tbody> <tr> <td colspan="2">Enter new ISM parameters, &lt;cr&gt; to leave as is:</td> </tr> <tr> <td>TNS (1000)</td> <td>&lt;cr&gt; (no change)</td> </tr> <tr> <td>AGNT (1000)</td> <td>&lt;cr&gt; (no change)</td> </tr> <tr> <td>ACDN (0100)</td> <td>&lt;cr&gt; (no change)</td> </tr> <tr> <td>AST (0000)</td> <td>100&lt;cr&gt; (change)</td> </tr> <tr> <td>DSL (0000)</td> <td>&lt;cr&gt; (no change)</td> </tr> <tr> <td>LTID (0000)</td> <td>&lt;cr&gt; (no change)</td> </tr> <tr> <td>MOPT (0000)</td> <td>&lt;cr&gt; (no change)</td> </tr> </tbody> </table>	Prompt (example)	Response (example)	Enter new ISM parameters, <cr> to leave as is:		TNS (1000)	<cr> (no change)	AGNT (1000)	<cr> (no change)	ACDN (0100)	<cr> (no change)	AST (0000)	100<cr> (change)	DSL (0000)	<cr> (no change)	LTID (0000)	<cr> (no change)	MOPT (0000)	<cr> (no change)
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ACDN (0100)	<cr> (no change)																		
AST (0000)	100<cr> (change)																		
DSL (0000)	<cr> (no change)																		
LTID (0000)	<cr> (no change)																		
MOPT (0000)	<cr> (no change)																		
<b>21</b>	<b>Confirm ISM parameters.</b>																		
	<p>New ISM parameters are:</p> <p>TNS (1000)</p> <p>AGNT (1000)</p> <p>ACDN (0100)</p> <p>AST (0100)</p> <p>DSL (0000)</p> <p>LTID (0000)</p> <p>MOPT (0000)</p> <table border="1"> <thead> <tr> <th>Prompt</th> <th>Response</th> </tr> </thead> <tbody> <tr> <td>Is this correct?</td> <td>n&lt;cr&gt; (no) y&lt;cr&gt; (yes) a&lt;cr&gt; (abort, return to main menu)</td> </tr> <tr> <td><b>If</b></td> <td><b>Do</b></td> </tr> <tr> <td>the response was n</td> <td>Step 19</td> </tr> <tr> <td>the response was y</td> <td>Step 22</td> </tr> </tbody> </table>	Prompt	Response	Is this correct?	n<cr> (no) y<cr> (yes) a<cr> (abort, return to main menu)	<b>If</b>	<b>Do</b>	the response was n	Step 19	the response was y	Step 22								
Prompt	Response																		
Is this correct?	n<cr> (no) y<cr> (yes) a<cr> (abort, return to main menu)																		
<b>If</b>	<b>Do</b>																		
the response was n	Step 19																		
the response was y	Step 22																		
—continued—																			

**Software Upgrading Procedure (Continued)**

<b>Step</b>	<b>Action</b>										
<b>22</b>	<b>Define the new AUX ID.</b>										
	<b>Note:</b> The default AUX ID is the system ID provided with the Option 11C. It should be replaced with the previous Option 11 or Option 11E site ID.										
	<table border="1"> <thead> <tr> <th><b>Prompt</b> (example)</th> <th><b>Response</b> (example)</th> </tr> </thead> <tbody> <tr> <td>Security ID: 20000326 Current AUX ID: 20000326 Do you wish to change the AUX ID?</td> <td><b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)</td> </tr> <tr> <td><b>If</b></td> <td><b>Do</b></td> </tr> <tr> <td>the response was <b>n</b></td> <td>Step 24</td> </tr> <tr> <td>the response was <b>y</b></td> <td>Step 23</td> </tr> </tbody> </table>	<b>Prompt</b> (example)	<b>Response</b> (example)	Security ID: 20000326 Current AUX ID: 20000326 Do you wish to change the AUX ID?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)	<b>If</b>	<b>Do</b>	the response was <b>n</b>	Step 24	the response was <b>y</b>	Step 23
<b>Prompt</b> (example)	<b>Response</b> (example)										
Security ID: 20000326 Current AUX ID: 20000326 Do you wish to change the AUX ID?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)										
<b>If</b>	<b>Do</b>										
the response was <b>n</b>	Step 24										
the response was <b>y</b>	Step 23										
<b>23</b>	<b>Enter the AUX ID.</b>										
	<table border="1"> <tbody> <tr> <td>Enter the Option 11/11E System ID for the new AUX ID, &lt;cr&gt; to maintain</td> <td><b>12121212&lt;cr&gt;</b></td> </tr> <tr> <td>New AUX ID: 12121212  Is this correct?</td> <td><b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)</td> </tr> </tbody> </table>	Enter the Option 11/11E System ID for the new AUX ID, <cr> to maintain	<b>12121212&lt;cr&gt;</b>	New AUX ID: 12121212  Is this correct?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)						
Enter the Option 11/11E System ID for the new AUX ID, <cr> to maintain	<b>12121212&lt;cr&gt;</b>										
New AUX ID: 12121212  Is this correct?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)										
—continued—											

**Software Upgrading Procedure (Continued)**

Step	Action						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">If</th> <th style="text-align: left;">Do</th> </tr> </thead> <tbody> <tr> <td>the response was <b>n</b></td> <td>Step 22</td> </tr> <tr> <td>the response was <b>y</b></td> <td>Step 24</td> </tr> </tbody> </table>	If	Do	the response was <b>n</b>	Step 22	the response was <b>y</b>	Step 24
If	Do						
the response was <b>n</b>	Step 22						
the response was <b>y</b>	Step 24						
<b>24</b>	<b>Review and confirm information entered.</b>						
	<pre> Software Upgrade Summary: System ID      :      20000326 Aux ID        :      12121212 Added Pkgs    :                               215-235 Feature Set   :                               Enhanced Business Database      :      Company.ABC                 OLD                NEW S/W Release   :                               2304C ISM Parameters:      OLD                NEW     TSN       :      1000            1000     AGNT      :      1000            1000     ACDN      :      0100            0100     AST       :      0000            0150     DSL       :      0000            0100     LTID      :      0000            0000     MOPT      :      0000            0000                 </pre>						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Prompt</th> <th style="text-align: left;">Response</th> </tr> </thead> <tbody> <tr> <td>Is this correct?</td> <td><b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)</td> </tr> </tbody> </table>	Prompt	Response	Is this correct?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)		
Prompt	Response						
Is this correct?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">If</th> <th style="text-align: left;">Do</th> </tr> </thead> <tbody> <tr> <td>the response was <b>n</b></td> <td>Step 11</td> </tr> <tr> <td>the response was <b>y</b></td> <td>Step 25</td> </tr> </tbody> </table>	If	Do	the response was <b>n</b>	Step 11	the response was <b>y</b>	Step 25
If	Do						
the response was <b>n</b>	Step 11						
the response was <b>y</b>	Step 25						
—continued—							

**Software Upgrading Procedure (Continued)**

Step	Action				
<b>25</b>	<b>Enter the keycodes</b>				
<p><b>Note:</b> Enter keycodes in place of <b>x, y, z</b>, shown in Response column.</p>					
<table border="1"> <thead> <tr> <th data-bbox="251 402 920 443">Prompt</th> <th data-bbox="920 402 1186 443">Response</th> </tr> </thead> </table>		Prompt	Response		
Prompt	Response				
<table border="1"> <tbody> <tr> <td data-bbox="251 449 920 586">                     Enter new Keycodes:                      Key 1:                      Key 2:                      Key 3:                 </td> <td data-bbox="920 449 1186 586">                     xxxxxxxx&lt;cr&gt;                      yyyyyyyy&lt;cr&gt;                      zzzzzzzz&lt;cr&gt;                 </td> </tr> </tbody> </table>		Enter new Keycodes: Key 1: Key 2: Key 3:	xxxxxxxx<cr> yyyyyyyy<cr> zzzzzzzz<cr>		
Enter new Keycodes: Key 1: Key 2: Key 3:	xxxxxxxx<cr> yyyyyyyy<cr> zzzzzzzz<cr>				
<table border="1"> <thead> <tr> <th data-bbox="251 592 920 633">If</th> <th data-bbox="920 592 1186 633">Do</th> </tr> </thead> </table>		If	Do		
If	Do				
<table border="1"> <tbody> <tr> <td data-bbox="251 639 920 902">                     after the last keycode is entered,                      'Keycode validation successful"                      ***WARNING*** A system restart will be invoked as                      part of the software installation process"                      message appears                 </td> <td data-bbox="920 639 1186 902">                     Step 26                 </td> </tr> <tr> <td data-bbox="251 802 920 902">                     after the last keycode is entered,                      'Keycode validation unsuccessful'                      message appears                 </td> <td data-bbox="920 802 1186 902">                     Step 25 again to                      re-enter correct                      keycodes                 </td> </tr> </tbody> </table>		after the last keycode is entered, 'Keycode validation successful" ***WARNING*** A system restart will be invoked as part of the software installation process" message appears	Step 26	after the last keycode is entered, 'Keycode validation unsuccessful' message appears	Step 25 again to re-enter correct keycodes
after the last keycode is entered, 'Keycode validation successful" ***WARNING*** A system restart will be invoked as part of the software installation process" message appears	Step 26				
after the last keycode is entered, 'Keycode validation unsuccessful' message appears	Step 25 again to re-enter correct keycodes				
<p><b>Note:</b> After three unsuccessful keycode validation attempts, the following message appears.</p>					
<p>Keycode validation unsuccessful.                      Installation aborted...returning to main menu.</p>					
<p align="center">—continued—</p>					

**Software Upgrading Procedure (Continued)**

Step	Action										
<b>26</b>	<b>Complete the software installation.</b>										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;"><b>Prompt</b></th> <th><b>Response</b></th> </tr> </thead> <tbody> <tr> <td>Are you sure you wish to perform the installation?</td> <td><b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)</td> </tr> <tr> <th><b>If</b></th> <th><b>Do</b></th> </tr> <tr> <td>response was <b>y</b></td> <td>—End—</td> </tr> <tr> <td>response was <b>n</b></td> <td>Step 9</td> </tr> </tbody> </table>	<b>Prompt</b>	<b>Response</b>	Are you sure you wish to perform the installation?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)	<b>If</b>	<b>Do</b>	response was <b>y</b>	—End—	response was <b>n</b>	Step 9
<b>Prompt</b>	<b>Response</b>										
Are you sure you wish to perform the installation?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)										
<b>If</b>	<b>Do</b>										
response was <b>y</b>	—End—										
response was <b>n</b>	Step 9										
—End—											

---

# Chapter 5—Upgrade Option 11C software to a new release or issue

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## Introduction

This chapter contains two procedures.

The first one on page 63 describes how to upgrade the software on an existing Option 11C to a new release or issue using the Software Delivery (PCMCIA) card.

The second one on page 77 describes how to revert to the previous software version.

### **CAUTION**

A new Keycode Data Sheet and Software Delivery (PCMCIA) card programmed with the new software release are required to complete the upgrade.

Refer to the keycode data sheet when entering the ISM parameters, adding packages or changing the AUX ID.

## How to upgrade software on an existing Option 11C

### Summary of steps

The Software Upgrading and Installation steps are summarized in the following list. They consist of:

- Making sure that the Software Delivery (PCMCIA) card is installed.
- Selecting the method of invoking the Software Installation Program.
- Selecting the System Upgrade function.
- Selecting Feature Set and packages.
- Selecting a database to install.
- Selecting Incremental Software Management (ISM) parameters.
- Validating keycodes.
- Loading the software.

## Upgrading to the new release of software

The following procedure describes how to upgrade and install the software using Software Delivery (PCMCIA) card.

### Software Upgrading Procedure

Step	Action
1	<b>Perform a Data Dump (EDD).</b>
	<p>To perform an EDD:</p> <ul style="list-style-type: none"> <li>• Load overlay program 43 (LD 43).</li> <li>• Enter command EDD.</li> </ul>
2	<b>If not previously done, install the Software Delivery (PCMCIA) card in the socket labeled A in the faceplate of the SSC Card in the Option 11C.</b>
	<p>To install the Software Delivery (PCMCIA) card:</p> <ul style="list-style-type: none"> <li>• Insert the PCMCIA card in slot A in the PCMCIA socket located in the faceplate of the NTDK20 SSC card. Gently press on the PCMCIA card until it is firmly seated.</li> </ul>
	 <p style="text-align: center;">—continued—</p>

**Software Upgrading Procedure (Continued)**

Step	Action						
<b>3</b>	<b>Select the method of invoking the Software Installation Program.</b>						
	<p>There are two methods of invoking the Software Installation Program:</p> <ul style="list-style-type: none"> <li>• By using the UPGRADE command in Overlay 143</li> </ul> <p style="text-align: center;">—or—</p> <ul style="list-style-type: none"> <li>• By pressing the 'control' and 'I' keys on the keyboard when prompted during a system reload (SYSLOAD).</li> </ul>						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 60%;">If</th> <th style="text-align: left; width: 40%;">Do</th> </tr> </thead> <tbody> <tr> <td>you wish to invoke the program using Overlay 143</td> <td>Step 4</td> </tr> <tr> <td>you wish to wish to invoke the program during a SYSLOAD</td> <td>Step 5</td> </tr> </tbody> </table>	If	Do	you wish to invoke the program using Overlay 143	Step 4	you wish to wish to invoke the program during a SYSLOAD	Step 5
If	Do						
you wish to invoke the program using Overlay 143	Step 4						
you wish to wish to invoke the program during a SYSLOAD	Step 5						
<b>4</b>	<b>Invoke the Software Installation Program using Overlay 143.</b>						
	<p><b>Note:</b> Perform this step only when using the Overlay 143 to invoke the Software Installation Program. To invoke the program during a SYSLOAD, skip this step and do Step 5.</p>						
	<p>Login to the system by entering <b>LOGI&lt;cr&gt;</b> then proceed with the following:</p>						
	<p><b>Note:</b> The response to <b>PASS?</b> is unique to each system. The response shown below is an example.</p>						
—continued—							

## Software Upgrading Procedure (Continued)

Step	Action	Response
	<b>Prompt</b>	<b>Response</b>
	PASS?	0000<cr>
	.	LD 143<cr>
		UPGRADE<cr>
	<b>If</b>	<b>Do</b>
	SOFTWARE INSTALLATION PROGRAM message appears	Step 6
	SOFTWARE INSTALLATION PROGRAM message does not appear	Repeat Step 4 (this step) and make sure correct information is entered
<b>5</b>	<b>Invoke the Software Installation Program during a SYSLOAD.</b>	
	<b>Note:</b> Perform this step only when invoking the Software Installation Program during a SYSLOAD. To invoke the program using Overlay 143, disregard this step and do Step 4 instead.	
	Invoke a system reload (SYSLOAD) by setting the circuit breaker on the front of the power supply to OFF then to ON.	
	<b>Note:</b> When the FIVE SECONDS TO ENTER CONTROL-I TO INVOKE SOFTWARE INSTALLATION PROGRAM message appears a response must be entered within 5 seconds to invoke the Installer Setup Program.	
	During SYSLOAD, the following prompt will appear:	
	<b>Prompt</b>	<b>Response</b>
	FIVE SECONDS TO ENTER CONTROL-I TO INVOKE SOFTWARE INSTALLATION PROGRAM	Press and hold 'control' key and press 'I'
—continued—		

**Software Upgrading Procedure (Continued)**

Step	Action				
<b>6</b>	<b>Select item 2 from the Main Menu.</b>				
	<p>Software Installation Main Menu</p> <ol style="list-style-type: none"> <li>1. New System Installation or Option 11/11E Upgrade - From Software Daughterboard</li> <li>2. System Upgrade</li> <li>3. Utilities</li> <li>4. New System Installation - From Software Delivery Card</li> </ol> <p>[q]uit, [h]elp or [?], &lt;cr&gt; - redisplay</p>				
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Prompt</th> <th style="text-align: left;">Response</th> </tr> </thead> <tbody> <tr> <td>Enter Selection:</td> <td>2&lt;cr&gt;</td> </tr> </tbody> </table>	Prompt	Response	Enter Selection:	2<cr>
Prompt	Response				
Enter Selection:	2<cr>				
<b>7</b>	<b>Select the type of upgrade to be performed.</b>				
	<p>Select type of upgrade to be performed:</p> <ol style="list-style-type: none"> <li>1. Option 11/11E to Option 11C</li> <li>2. Option 11C New Software Upgrade</li> <li>3. Option 11C Feature/parameter Upgrade</li> </ol> <p>[q]uit, &lt;cr&gt; current menu, [m]ain menu, [h]elp or [?],[p]revious menu</p>				
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Prompt</th> <th style="text-align: left;">Response</th> </tr> </thead> <tbody> <tr> <td>Enter Selection:</td> <td>2&lt;cr&gt;</td> </tr> </tbody> </table>	Prompt	Response	Enter Selection:	2<cr>
Prompt	Response				
Enter Selection:	2<cr>				
—continued—					

## Software Upgrading Procedure (Continued)

Step	Action				
8	<b>Select the Feature Set to be enabled.</b>				
	<p><b>Note:</b> The Feature Set selected must match the ones provided with key codes. The Feature Set names shown below are examples only.</p> <hr/> <p>*** NOTE: The following questions require information on the Keycode Data Sheet. Please have it available.***</p> <p>*** NOTE: If an External Data Card is being used for this system, please insert it into drive b: Now.***</p> <p>(The following feature sets are examples)</p> <p>Select Feature Set You Wish to Enable:</p> <ol style="list-style-type: none"> <li>1. General Business (NTSKxxxx)</li> <li>2. Enhanced Business (NTSKxxxx)</li> <li>3. Enterprise (NTSKxxxx)</li> <li>4. NAS/VNS ( NTSKxxxx)</li> </ol> <p>[q]uit, [p]revious, [m]ain menu, [h]elp or [?], &lt;cr&gt; redisplay</p>				
	<table border="0" style="width: 100%;"> <thead> <tr> <th data-bbox="267 849 959 922">Prompt</th> <th data-bbox="959 849 1190 922">Response (example)</th> </tr> </thead> <tbody> <tr> <td data-bbox="267 922 959 995">Enter Selection:</td> <td data-bbox="959 922 1190 995"><b>2&lt;cr&gt;</b> (Enhanced Business)</td> </tr> </tbody> </table>	Prompt	Response (example)	Enter Selection:	<b>2&lt;cr&gt;</b> (Enhanced Business)
Prompt	Response (example)				
Enter Selection:	<b>2&lt;cr&gt;</b> (Enhanced Business)				
—continued—					

**Software Upgrading Procedure (Continued)**

<b>Step</b>	<b>Action</b>										
<b>9</b>	<b>Indicate whether or not packages are to be added.</b>										
	Feature Set Selection: Enhanced Business										
	<table border="1"> <thead> <tr> <th><b>Prompt</b></th> <th><b>Response</b> (example)</th> </tr> </thead> <tbody> <tr> <td>Do you wish to add packages?</td> <td><b>n&lt;cr&gt;</b> (no) <b>y&lt;cr&gt;</b> (yes) <b>a&lt;cr&gt;</b> (abort, return to main menu)</td> </tr> <tr> <td><b>If</b></td> <td><b>Do</b></td> </tr> <tr> <td>the response was <b>n</b></td> <td>Step 12</td> </tr> <tr> <td>the response was <b>y</b></td> <td>Step 10</td> </tr> </tbody> </table>	<b>Prompt</b>	<b>Response</b> (example)	Do you wish to add packages?	<b>n&lt;cr&gt;</b> (no) <b>y&lt;cr&gt;</b> (yes) <b>a&lt;cr&gt;</b> (abort, return to main menu)	<b>If</b>	<b>Do</b>	the response was <b>n</b>	Step 12	the response was <b>y</b>	Step 10
<b>Prompt</b>	<b>Response</b> (example)										
Do you wish to add packages?	<b>n&lt;cr&gt;</b> (no) <b>y&lt;cr&gt;</b> (yes) <b>a&lt;cr&gt;</b> (abort, return to main menu)										
<b>If</b>	<b>Do</b>										
the response was <b>n</b>	Step 12										
the response was <b>y</b>	Step 10										
<b>10</b>	<b>Select the Feature packages to be added.</b>										
	Summary of Packages selected is: 0-2 4-5 7-14 16-25 28-29 32-64 67 70-77 79-83 86-93 95 98-104 107-111 113-116 118-120 122-125 127-129 131-133 135 137-141										
	<table border="1"> <thead> <tr> <th><b>Prompt</b></th> <th><b>Response</b> (example)</th> </tr> </thead> <tbody> <tr> <td>Enter packages (s) to be added, blank line to end:</td> <td><b>215-235&lt;cr&gt;</b> <b>&lt;cr&gt;</b> (ends selection entry or if no packages are to be added)</td> </tr> </tbody> </table>	<b>Prompt</b>	<b>Response</b> (example)	Enter packages (s) to be added, blank line to end:	<b>215-235&lt;cr&gt;</b> <b>&lt;cr&gt;</b> (ends selection entry or if no packages are to be added)						
<b>Prompt</b>	<b>Response</b> (example)										
Enter packages (s) to be added, blank line to end:	<b>215-235&lt;cr&gt;</b> <b>&lt;cr&gt;</b> (ends selection entry or if no packages are to be added)										
—continued—											

**Software Upgrading Procedure (Continued)**

Step	Action																					
<b>11</b>	<b>Confirm Feature Set and added packages.</b>																					
	<p>Your Feature Set Selection is "Enhanced Business":            Additional Packages selected: 215-235            Summary of Packages selected is:            0-2 4-5 7-14 16-25 28-29 32-64 67 70-77 79-83 86-93 95 100-104            107-111 113-116 118-120 122-125 127-129 131-133 135 137-141            ...            ...            200-208 215-235</p>																					
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Prompt (example)	Response																					
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<b>If</b>	<b>Do</b>																					
the response was <b>n</b>	Step 8																					
the response was <b>y</b>	Step 12																					
<b>12</b>	<b>Review ISM parameters.</b>																					
	<p><b>Note:</b> The ISM parameters displayed on the terminal screen are the default settings associated with the Feature Set selection. These settings can be accepted without changes or changed to suit the requirements of the system.</p> <p>Current ISM Parameters:</p> <table style="width: 100%;"> <tr> <td>TNS</td> <td>(1000)</td> <td>(maximum number of terminal numbers)</td> </tr> <tr> <td>AGNT</td> <td>(1000)</td> <td>(maximum number of ACD agents)</td> </tr> <tr> <td>ACDN</td> <td>(0100)</td> <td>(maximum number of ACD DN's)</td> </tr> <tr> <td>AST</td> <td>(0000)</td> <td>(maximum number of associate Sets)</td> </tr> <tr> <td>DSL</td> <td>(0000)</td> <td>(maximum number of Digital Subscriber Loops)</td> </tr> <tr> <td>LTID</td> <td>(0000)</td> <td>(maximum number of Logical Terminal IDs)</td> </tr> <tr> <td>MOPT</td> <td>(0000)</td> <td>(Meridian Mail option)</td> </tr> </table>	TNS	(1000)	(maximum number of terminal numbers)	AGNT	(1000)	(maximum number of ACD agents)	ACDN	(0100)	(maximum number of ACD DN's)	AST	(0000)	(maximum number of associate Sets)	DSL	(0000)	(maximum number of Digital Subscriber Loops)	LTID	(0000)	(maximum number of Logical Terminal IDs)	MOPT	(0000)	(Meridian Mail option)
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—continued—																						

**Software Upgrading Procedure (Continued)**

Step	Action																		
	<table border="1"> <thead> <tr> <th>Prompt</th> <th>Response</th> </tr> </thead> <tbody> <tr> <td>Do you wish to change ISM parameters?</td> <td><b>n</b>&lt;cr&gt; (no change) <b>y</b>&lt;cr&gt; (change)</td> </tr> <tr> <th>If</th> <th>Do</th> </tr> <tr> <td>the response was <b>n</b></td> <td>Step 15</td> </tr> <tr> <td>the response was <b>y</b></td> <td>Step 13</td> </tr> </tbody> </table>	Prompt	Response	Do you wish to change ISM parameters?	<b>n</b> <cr> (no change) <b>y</b> <cr> (change)	If	Do	the response was <b>n</b>	Step 15	the response was <b>y</b>	Step 13								
Prompt	Response																		
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<b>13</b>	<b>Select ISM parameters.</b>																		
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Prompt (example)	Response (example)																		
Enter new ISM parameters, <cr> to leave as is:																			
TNS (1000)	<b>&lt;cr&gt;</b> (no change)																		
AGNT (1000)	<b>&lt;cr&gt;</b> (no change)																		
ACDN (0100)	<b>&lt;cr&gt;</b> (no change)																		
AST (0000)	<b>100&lt;cr&gt;</b> (change)																		
DSL (0000)	<b>&lt;cr&gt;</b> (no change)																		
LTID (0000)	<b>&lt;cr&gt;</b> (no change)																		
MOPT (0000)	<b>&lt;cr&gt;</b> (no change)																		
—continued—																			

## Software Upgrading Procedure (Continued)

Step	Action										
<b>14</b>	<b>Confirm ISM parameters.</b>										
	<p>New ISM parameters are:</p> <p>TNS (1000)  AGNT (1000)  ACDN (0100)  AST (0100)  DSL (0000)  LTID (0000)  MOPT (0000)</p>										
	<table border="1"> <thead> <tr> <th>Prompt</th> <th>Response</th> </tr> </thead> <tbody> <tr> <td>Is this correct?</td> <td><b>n</b>&lt;cr&gt; (no) <b>y</b>&lt;cr&gt; (yes) <b>a</b>&lt;cr&gt; (abort, return to main menu)</td> </tr> <tr> <td><b>If</b></td> <td><b>Do</b></td> </tr> <tr> <td>the response was <b>n</b></td> <td>Step 12</td> </tr> <tr> <td>the response was <b>y</b></td> <td>Step 15</td> </tr> </tbody> </table>	Prompt	Response	Is this correct?	<b>n</b> <cr> (no) <b>y</b> <cr> (yes) <b>a</b> <cr> (abort, return to main menu)	<b>If</b>	<b>Do</b>	the response was <b>n</b>	Step 12	the response was <b>y</b>	Step 15
Prompt	Response										
Is this correct?	<b>n</b> <cr> (no) <b>y</b> <cr> (yes) <b>a</b> <cr> (abort, return to main menu)										
<b>If</b>	<b>Do</b>										
the response was <b>n</b>	Step 12										
the response was <b>y</b>	Step 15										
—continued—											

**Software Upgrading Procedure (Continued)**

Step	Action		
<b>15</b>	<b>Define the AUX ID.</b>		
	<i>Note:</i> The default AUX ID is the system ID provided with the Option 11C. It should be replaced with the previous Option 11 or Option 11E site ID.		
	<table border="0"> <tr> <td data-bbox="186 414 882 495"><b>Prompt</b> (example)</td> <td data-bbox="882 414 1121 495"><b>Response</b> (example)</td> </tr> </table>	<b>Prompt</b> (example)	<b>Response</b> (example)
<b>Prompt</b> (example)	<b>Response</b> (example)		
	<table border="0"> <tr> <td data-bbox="186 495 882 665">                     Security ID: 20000326                      Current AUX ID: 20000326                      Do you wish to change the AUX ID?                 </td> <td data-bbox="882 495 1121 665"> <b>y&lt;cr&gt;</b> (yes)  <b>n&lt;cr&gt;</b> (no)  <b>a&lt;cr&gt;</b> (abort, return to main menu)                 </td> </tr> </table>	Security ID: 20000326 Current AUX ID: 20000326 Do you wish to change the AUX ID?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)
Security ID: 20000326 Current AUX ID: 20000326 Do you wish to change the AUX ID?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)		
	<table border="0"> <tr> <td data-bbox="186 665 882 714"><b>If</b></td> <td data-bbox="882 665 1121 714"><b>Do</b></td> </tr> </table>	<b>If</b>	<b>Do</b>
<b>If</b>	<b>Do</b>		
	<table border="0"> <tr> <td data-bbox="186 714 882 763">the response was <b>n</b></td> <td data-bbox="882 714 1121 763">Step 17</td> </tr> </table>	the response was <b>n</b>	Step 17
the response was <b>n</b>	Step 17		
	<table border="0"> <tr> <td data-bbox="186 763 882 812">the response was <b>y</b></td> <td data-bbox="882 763 1121 812">Step 16</td> </tr> </table>	the response was <b>y</b>	Step 16
the response was <b>y</b>	Step 16		
<b>16</b>	<b>Enter the AUX ID.</b>		
	<table border="0"> <tr> <td data-bbox="186 860 882 966">Enter the Option 11/11E System ID for the new AUX ID, &lt;cr&gt; to maintain</td> <td data-bbox="882 860 1121 966"><b>12121212&lt;cr&gt;</b></td> </tr> </table>	Enter the Option 11/11E System ID for the new AUX ID, <cr> to maintain	<b>12121212&lt;cr&gt;</b>
Enter the Option 11/11E System ID for the new AUX ID, <cr> to maintain	<b>12121212&lt;cr&gt;</b>		
	<table border="0"> <tr> <td data-bbox="186 966 882 1136">                     New AUX ID: 12121212                       Is this correct?                 </td> <td data-bbox="882 966 1121 1136"> <b>y&lt;cr&gt;</b> (yes)  <b>n&lt;cr&gt;</b> (no)  <b>a&lt;cr&gt;</b> (abort, return to main menu)                 </td> </tr> </table>	New AUX ID: 12121212  Is this correct?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)
New AUX ID: 12121212  Is this correct?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)		
	<table border="0"> <tr> <td data-bbox="186 1136 882 1185"><b>If</b></td> <td data-bbox="882 1136 1121 1185"><b>Do</b></td> </tr> </table>	<b>If</b>	<b>Do</b>
<b>If</b>	<b>Do</b>		
	<table border="0"> <tr> <td data-bbox="186 1185 882 1234">the response was <b>n</b></td> <td data-bbox="882 1185 1121 1234">Step 15</td> </tr> </table>	the response was <b>n</b>	Step 15
the response was <b>n</b>	Step 15		
	<table border="0"> <tr> <td data-bbox="186 1234 882 1282">the response was <b>y</b></td> <td data-bbox="882 1234 1121 1282">Step 17</td> </tr> </table>	the response was <b>y</b>	Step 17
the response was <b>y</b>	Step 17		
—continued—			

**Software Upgrading Procedure (Continued)**

<b>Step</b>	<b>Action</b>										
<b>17</b>	<b>Review and confirm information entered.</b>										
	<pre> Software Upgrade Summary: Security ID      :      20000326 Aux ID          :      12121212 Database        :      Pre-Configured Database - Enhanced Business                   OLD          NEW S/S Release     :      2202b     2308b Feature Set     :                  Enhanced Business Added Pkgs     :                  none ISM Parameters   :      DEFAULT   NEW     TSN      :      1000     1000     AGNT     :      1000     1000     ACDN     :      0100     0100     AST      :      0000     0100     DSL      :      0000     0000     LTID     :      0000     0000     MOPT     :      0000     0000 </pre>										
	<table border="1"> <thead> <tr> <th><b>Prompt</b></th> <th><b>Response</b></th> </tr> </thead> <tbody> <tr> <td>Is this correct?</td> <td><b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)</td> </tr> <tr> <td><b>If</b></td> <td><b>Do</b></td> </tr> <tr> <td>the response was <b>n</b></td> <td>Step 8</td> </tr> <tr> <td>the response was <b>y</b></td> <td>Step 18</td> </tr> </tbody> </table>	<b>Prompt</b>	<b>Response</b>	Is this correct?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)	<b>If</b>	<b>Do</b>	the response was <b>n</b>	Step 8	the response was <b>y</b>	Step 18
<b>Prompt</b>	<b>Response</b>										
Is this correct?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)										
<b>If</b>	<b>Do</b>										
the response was <b>n</b>	Step 8										
the response was <b>y</b>	Step 18										
—continued—											

**Software Upgrading Procedure (Continued)**

Step	Action										
<b>18</b>	<b>Enter the keycodes</b>										
	<i>Note:</i> Enter keycodes in place of <b>x, y, z</b> , shown in Response column.										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">Prompt</th> <th style="width: 30%;">Response</th> </tr> </thead> <tbody> <tr> <td>Enter new Keycodes:</td> <td></td> </tr> <tr> <td>Key 1:</td> <td><b>xxxxxxx&lt;cr&gt;</b></td> </tr> <tr> <td>Key 2:</td> <td><b>yyyyyyy&lt;cr&gt;</b></td> </tr> <tr> <td>Key 3:</td> <td><b>zzzzzzz&lt;cr&gt;</b></td> </tr> </tbody> </table>	Prompt	Response	Enter new Keycodes:		Key 1:	<b>xxxxxxx&lt;cr&gt;</b>	Key 2:	<b>yyyyyyy&lt;cr&gt;</b>	Key 3:	<b>zzzzzzz&lt;cr&gt;</b>
Prompt	Response										
Enter new Keycodes:											
Key 1:	<b>xxxxxxx&lt;cr&gt;</b>										
Key 2:	<b>yyyyyyy&lt;cr&gt;</b>										
Key 3:	<b>zzzzzzz&lt;cr&gt;</b>										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">If</th> <th style="width: 30%;">Do</th> </tr> </thead> <tbody> <tr> <td>after the last keycode is entered, 'Keycode validation successful" ***WARNING*** A system restart will be invoked as part of the software installation process" message appears</td> <td>Step 19</td> </tr> <tr> <td>after the last keycode is entered, 'Keycode validation unsuccessful' message appears</td> <td>Step 18 again to re-enter correct keycodes</td> </tr> </tbody> </table>	If	Do	after the last keycode is entered, 'Keycode validation successful" ***WARNING*** A system restart will be invoked as part of the software installation process" message appears	Step 19	after the last keycode is entered, 'Keycode validation unsuccessful' message appears	Step 18 again to re-enter correct keycodes				
If	Do										
after the last keycode is entered, 'Keycode validation successful" ***WARNING*** A system restart will be invoked as part of the software installation process" message appears	Step 19										
after the last keycode is entered, 'Keycode validation unsuccessful' message appears	Step 18 again to re-enter correct keycodes										
	<i>Note:</i> After three unsuccessful keycode validation attempts, the following message appears.										
	Keycode validation unsuccessful. Installation aborted...returning to main menu.										
—continued—											

**Software Upgrading Procedure (Continued)**

<b>Step</b>	<b>Action</b>										
<b>19</b>	<b>Complete the software installation.</b>										
	<table border="1"> <thead> <tr> <th><b>Prompt</b></th> <th><b>Response</b></th> </tr> </thead> <tbody> <tr> <td>Are you sure you wish to perform the installation?</td> <td><b>y</b>&lt;cr&gt; (yes) <b>n</b>&lt;cr&gt; (no)</td> </tr> <tr> <th><b>If</b></th> <th><b>Do</b></th> </tr> <tr> <td>response was <b>y</b></td> <td>—End—</td> </tr> <tr> <td>response was <b>n</b></td> <td>Step 6</td> </tr> </tbody> </table>	<b>Prompt</b>	<b>Response</b>	Are you sure you wish to perform the installation?	<b>y</b> <cr> (yes) <b>n</b> <cr> (no)	<b>If</b>	<b>Do</b>	response was <b>y</b>	—End—	response was <b>n</b>	Step 6
<b>Prompt</b>	<b>Response</b>										
Are you sure you wish to perform the installation?	<b>y</b> <cr> (yes) <b>n</b> <cr> (no)										
<b>If</b>	<b>Do</b>										
response was <b>y</b>	—End—										
response was <b>n</b>	Step 6										
—End—											

## How to revert to the previous release of software

The following procedure describes how to revert to the previous release of software, Feature Set, Customer data and ISM Parameters using the Undo Installation option.

This option requires that the same Software Delivery (PCMCIA) card that was used to upgrade this Option 11C be installed and used to revert it to its former database. The Software Delivery (PCMCIA) card must not have been used to upgrade a subsequent Option 11C, since the Security ID will no longer match this system.

*Note:* When upgrading, the existing Option 11C database is saved (backed-up) on the Software Delivery (PCMCIA) card. The card contains only the backed-up database and Security ID of the last Option 11C with which it was used.

### Summary of steps

The steps to revert to the previous database are summarized in the following list. They consist of:

- Checking to make sure the correct Software Delivery (PCMCIA) card is installed.
- Selecting the Utilities menu.
- Selecting Undo Installation option.
- Reverting to the previous database.

## Reverting to previous release of software

The following procedure describes how to revert to the previous release of software using PCMCIA card.

### Reverting to Previous Software Procedure

Step	Action						
<b>1</b>	<b>If not previously done, install the Software Delivery (PCMCIA) card in the socket in the faceplate of the SSC Card.</b>						
	<p><b>Note:</b> This Software Delivery card must be the same one that was used to upgrade this Option 11C. It must not have been used to upgrade a subsequent Option 11C because the Security ID will no longer match and the “undo” function will fail.</p> <hr/> <p>To install the Software Delivery card:</p> <ul style="list-style-type: none"> <li>Insert the card in slot A in the PCMCIA socket located in the faceplate of the NTDK20 Small System Controller (SSC) card. Gently press on the Software Delivery card until it is firmly seated.</li> </ul>						
<b>2</b>	<b>Select the method of invoking the Software Installation Program.</b>						
	<p>There are two methods of invoking the Software Installation Program:</p> <ul style="list-style-type: none"> <li>By using the UPGRADE command in Overlay 143</li> </ul> <p style="text-align: center;">—or—</p> <ul style="list-style-type: none"> <li>By pressing the ‘control’ and ‘I’ keys on the keyboard when prompted after the Software Delivery card is installed.</li> </ul>						
	<table border="1"> <thead> <tr> <th>If</th> <th>Do</th> </tr> </thead> <tbody> <tr> <td>you wish to invoke the program using Overlay 143</td> <td>Step 4</td> </tr> <tr> <td>you wish to wish to invoke the program when prompted</td> <td>Step 5</td> </tr> </tbody> </table>	If	Do	you wish to invoke the program using Overlay 143	Step 4	you wish to wish to invoke the program when prompted	Step 5
If	Do						
you wish to invoke the program using Overlay 143	Step 4						
you wish to wish to invoke the program when prompted	Step 5						
	—continued—						

Reverting to Previous Software Procedure (Continued)

Step	Action														
<b>3</b>	<b>Invoke the Software Installation Program using Overlay 143.</b>														
	<i>Note:</i> Perform this step only when using the Overlay 143 to invoke the Software Installation Program. To invoke the program during a SYSLOAD, skip this step and do Step 5.														
	Login to the system by entering <b>LOGI&lt;cr&gt;</b> then proceed with the following:														
	<i>Note:</i> The response to <b>PASS?</b> is unique to each system. The response shown below is an example.														
	<table border="1"> <thead> <tr> <th>Prompt</th> <th>Response</th> </tr> </thead> <tbody> <tr> <td>PASS?</td> <td>0000&lt;cr&gt;</td> </tr> <tr> <td>.</td> <td>LD 143&lt;cr&gt;</td> </tr> <tr> <td></td> <td>UPGRADE&lt;cr&gt;</td> </tr> <tr> <th>If</th> <th>Do</th> </tr> <tr> <td>SOFTWARE INSTALLATION PROGRAM message appears</td> <td>Step 6</td> </tr> <tr> <td>SOFTWARE INSTALLATION PROGRAM message does not appear</td> <td>Repeat Step 4 (this step) and make sure correct information is entered</td> </tr> </tbody> </table>	Prompt	Response	PASS?	0000<cr>	.	LD 143<cr>		UPGRADE<cr>	If	Do	SOFTWARE INSTALLATION PROGRAM message appears	Step 6	SOFTWARE INSTALLATION PROGRAM message does not appear	Repeat Step 4 (this step) and make sure correct information is entered
Prompt	Response														
PASS?	0000<cr>														
.	LD 143<cr>														
	UPGRADE<cr>														
If	Do														
SOFTWARE INSTALLATION PROGRAM message appears	Step 6														
SOFTWARE INSTALLATION PROGRAM message does not appear	Repeat Step 4 (this step) and make sure correct information is entered														
—continued—															

**Reverting to Previous Software Procedure (Continued)**

<b>Step</b>	<b>Action</b>				
<b>4</b>	<b>Invoke the Software Installation Program when prompted.</b>				
	<p><b>Note:</b> Perform this step only when invoking the Software Installation Program when prompted after the Software Delivery card is installed. To invoke the program using Overlay 143, disregard this step and do Step 4 instead.</p> <hr/> <p>Start system reload (SYSLOAD) by setting the circuit breaker on the front of the power supply to OFF then to ON.</p> <hr/> <p><b>Note:</b> When the FIVE SECONDS TO ENTER CONTROL-I TO INVOKE SOFTWARE INSTALLATION PROGRAM message appears a response must be entered within 5 seconds to invoke the program.</p> <p>During SYSLOAD, the following prompt will appear:</p> <hr/> <table border="1"> <thead> <tr> <th><b>Prompt</b></th> <th><b>Response</b></th> </tr> </thead> <tbody> <tr> <td>FIVE SECONDS TO ENTER CONTROL-I TO INVOKE SOFTWARE INSTALLATION PROGRAM</td> <td>Press and hold 'control' key and press 'I'</td> </tr> </tbody> </table> <hr/> <p>—continued—</p>	<b>Prompt</b>	<b>Response</b>	FIVE SECONDS TO ENTER CONTROL-I TO INVOKE SOFTWARE INSTALLATION PROGRAM	Press and hold 'control' key and press 'I'
<b>Prompt</b>	<b>Response</b>				
FIVE SECONDS TO ENTER CONTROL-I TO INVOKE SOFTWARE INSTALLATION PROGRAM	Press and hold 'control' key and press 'I'				

**Reverting to Previous Software Procedure (Continued)**

Step	Action				
<b>5</b>	<b>Select Utilities from the Main Menu.</b>				
	<pre>SOFTWARE INSTALLATION PROGRAM ***** Verify Security ID: 12345678 *****  Software Installation Main Menu 1. New System Installation or Option 11/11E Upgrade - From Software Daughterboard 2. System Upgrade 3. Utilities 4. New System Installation - From Software Delivery Card [q]uit, [h]elp or [?], &lt;cr&gt; - redisplay</pre>				
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Prompt</th> <th style="text-align: left;">Response</th> </tr> </thead> <tbody> <tr> <td>Enter Selection:</td> <td>3&lt;cr&gt;</td> </tr> </tbody> </table>	Prompt	Response	Enter Selection:	3<cr>
Prompt	Response				
Enter Selection:	3<cr>				
<b>6</b>	<b>Select item 6 from the Utilities Menu.</b>				
	<pre>Utilities Menu: 1. Restore backed Up database 2. Archive Database Utilities 3. Install Archived database 4. Review Upgrade Information 5. Clear Upgrade Information 6. Undo Installation 7. Flash Boot ROM Utilities 8. Current Installation Summary  [q]uit, [p]revious, [m]ain, [h]elp [?], &lt;cr&gt; redisplay</pre>				
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Prompt</th> <th style="text-align: left;">Response</th> </tr> </thead> <tbody> <tr> <td>Enter Selection:</td> <td>6&lt;cr&gt; (Undo Installation)</td> </tr> </tbody> </table>	Prompt	Response	Enter Selection:	6<cr> (Undo Installation)
Prompt	Response				
Enter Selection:	6<cr> (Undo Installation)				
—continued—					

**Reverting to Previous Software Procedure (Continued)**

<b>Step</b>	<b>Action</b>										
<b>7</b>	<b>Complete the software installation.</b>										
	<table border="1"> <thead> <tr> <th><b>Prompt</b></th> <th><b>Response</b></th> </tr> </thead> <tbody> <tr> <td>           *** WARNING *** A system restart will be invoked as part of the Undo Installation process.            Are you sure you wish to undo the installation?         </td> <td> <b>y&lt;cr&gt;</b> (yes)  <b>n&lt;cr&gt;</b> (no)         </td> </tr> <tr> <th><b>If</b></th> <th><b>Do</b></th> </tr> <tr> <td>response was <b>y</b></td> <td>—End—</td> </tr> <tr> <td>response was <b>n</b></td> <td>Step 6</td> </tr> </tbody> </table>	<b>Prompt</b>	<b>Response</b>	*** WARNING *** A system restart will be invoked as part of the Undo Installation process. Are you sure you wish to undo the installation?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no)	<b>If</b>	<b>Do</b>	response was <b>y</b>	—End—	response was <b>n</b>	Step 6
<b>Prompt</b>	<b>Response</b>										
*** WARNING *** A system restart will be invoked as part of the Undo Installation process. Are you sure you wish to undo the installation?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no)										
<b>If</b>	<b>Do</b>										
response was <b>y</b>	—End—										
response was <b>n</b>	Step 6										
	—End—										

---

# Chapter 6—Option 11C Feature Set and ISM Parameters upgrade

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## Introduction

This chapter describes how to upgrade the Feature set and ISM Parameters on an Option 11C when the software is not being upgraded to a new release (same release upgrade). The Software Delivery (PCMCIA) card is not required to perform this type of upgrade.

## How to upgrade Feature Set and ISM Parameters

### Summary of steps

The Upgrading and Installation steps are summarized in the following list. They consist of:

- Invoking the Software Installation Program.
- Selecting the System Upgrade function.
- Selecting Feature Set and packages (optional).
- Selecting Incremental Software Management (ISM) parameters (optional).
- Validating keycodes.
- Loading the software.

### Upgrading Feature Set and ISM Parameters

The following procedure describes how to upgrade the Feature Set and ISM Parameters without upgrading the software release.

**Upgrading Feature Set and ISM Parameter Procedure**

Step	Action														
<b>1</b>	<b>Invoke the Software Installation Program using Overlay 143.</b>														
	Login to the system by entering <b>LOGI&lt;cr&gt;</b> then proceed with the following:														
	<b>Note:</b> The response to PASS? is unique to each system. The response shown below is an example.														
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Prompt</th> <th style="text-align: left;">Response</th> </tr> </thead> <tbody> <tr> <td>PASS?</td> <td>0000&lt;cr&gt;</td> </tr> <tr> <td>.</td> <td>LD 143&lt;cr&gt;</td> </tr> <tr> <td></td> <td>UPGRADE&lt;cr&gt;</td> </tr> <tr> <th style="text-align: left;">If</th> <th style="text-align: left;">Do</th> </tr> <tr> <td>SOFTWARE INSTALLATION PROGRAM message appears</td> <td>Step 2</td> </tr> <tr> <td>SOFTWARE INSTALLATION PROGRAM message does not appear</td> <td>Repeat Step 1 (this step) make sure correct information is entered</td> </tr> </tbody> </table>	Prompt	Response	PASS?	0000<cr>	.	LD 143<cr>		UPGRADE<cr>	If	Do	SOFTWARE INSTALLATION PROGRAM message appears	Step 2	SOFTWARE INSTALLATION PROGRAM message does not appear	Repeat Step 1 (this step) make sure correct information is entered
Prompt	Response														
PASS?	0000<cr>														
.	LD 143<cr>														
	UPGRADE<cr>														
If	Do														
SOFTWARE INSTALLATION PROGRAM message appears	Step 2														
SOFTWARE INSTALLATION PROGRAM message does not appear	Repeat Step 1 (this step) make sure correct information is entered														
<b>2</b>	<b>Select item 2 from the Main Menu.</b>														
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Prompt</th> <th style="text-align: left;">Response</th> </tr> </thead> <tbody> <tr> <td>Software Installation Main Menu 1. New System Installation or Option 11/11E Upgrade - From Software Daughterboard 2. System Upgrade 3. Utilities 4. New System Installation - From Software Delivery Card [q]uit, [h]elp or [?], &lt;cr&gt; - redisplay</td> <td></td> </tr> </tbody> </table>	Prompt	Response	Software Installation Main Menu 1. New System Installation or Option 11/11E Upgrade - From Software Daughterboard 2. System Upgrade 3. Utilities 4. New System Installation - From Software Delivery Card [q]uit, [h]elp or [?], <cr> - redisplay											
Prompt	Response														
Software Installation Main Menu 1. New System Installation or Option 11/11E Upgrade - From Software Daughterboard 2. System Upgrade 3. Utilities 4. New System Installation - From Software Delivery Card [q]uit, [h]elp or [?], <cr> - redisplay															
—continued—															

**Upgrading Feature Set and ISM Parameter Procedure (Continued)**

<b>Step</b>	<b>Action</b>										
	<table border="1"> <thead> <tr> <th><b>Prompt</b></th> <th><b>Response</b></th> </tr> </thead> <tbody> <tr> <td>Enter Selection:</td> <td><b>2&lt;cr&gt;</b></td> </tr> </tbody> </table>	<b>Prompt</b>	<b>Response</b>	Enter Selection:	<b>2&lt;cr&gt;</b>						
<b>Prompt</b>	<b>Response</b>										
Enter Selection:	<b>2&lt;cr&gt;</b>										
<b>3</b>	<b>Select item 3 from the Select Upgrade to be Performed menu.</b>										
	<p>Select type of upgrade to be performed:</p> <ol style="list-style-type: none"> <li>1. Option 11/11E to Option 11C</li> <li>2. Option 11C New Software Upgrade</li> <li>3. Option 11C Feature/parameter Upgrade</li> </ol> <p>[q]uit, &lt;cr&gt; current menu, [m]ain menu, [p]revious menu</p> <table border="1"> <thead> <tr> <th><b>Prompt</b></th> <th><b>Response</b></th> </tr> </thead> <tbody> <tr> <td>Enter Selection:</td> <td><b>3&lt;cr&gt;</b></td> </tr> </tbody> </table>	<b>Prompt</b>	<b>Response</b>	Enter Selection:	<b>3&lt;cr&gt;</b>						
<b>Prompt</b>	<b>Response</b>										
Enter Selection:	<b>3&lt;cr&gt;</b>										
<b>4</b>	<b>Indicate whether the current Feature Set will or will not be retained.</b>										
	<table border="1"> <thead> <tr> <th><b>Prompt</b></th> <th><b>Response</b></th> </tr> </thead> <tbody> <tr> <td>Do you wish to change the Feature Sets?</td> <td><b>n&lt;cr&gt;</b> (no) <b>y&lt;cr&gt;</b> (yes) <b>a&lt;cr&gt;</b> (abort, return to main menu)</td> </tr> <tr> <td><b>If</b></td> <td><b>Do</b></td> </tr> <tr> <td>the response was <b>n</b></td> <td>Step 6</td> </tr> <tr> <td>the response was <b>y</b></td> <td>Step 5</td> </tr> </tbody> </table>	<b>Prompt</b>	<b>Response</b>	Do you wish to change the Feature Sets?	<b>n&lt;cr&gt;</b> (no) <b>y&lt;cr&gt;</b> (yes) <b>a&lt;cr&gt;</b> (abort, return to main menu)	<b>If</b>	<b>Do</b>	the response was <b>n</b>	Step 6	the response was <b>y</b>	Step 5
<b>Prompt</b>	<b>Response</b>										
Do you wish to change the Feature Sets?	<b>n&lt;cr&gt;</b> (no) <b>y&lt;cr&gt;</b> (yes) <b>a&lt;cr&gt;</b> (abort, return to main menu)										
<b>If</b>	<b>Do</b>										
the response was <b>n</b>	Step 6										
the response was <b>y</b>	Step 5										
—continued—											

**Upgrading Feature Set and ISM Parameter Procedure (Continued)**

Step	Action				
5	<p><b>Select the Feature Set to be enabled.</b></p>				
	<p><b>Note:</b> The Feature Set selected must match the ones provided with key codes. The Feature Set names shown below are examples only.</p> <hr/> <p>*** NOTE: The following questions require information on the Keycode Data Sheet. Please have it available.***</p> <p>*** NOTE: If an External Data Card is being used for this system, please insert it into drive b: Now.***</p> <p>(The following feature sets are examples)</p> <p>Select Feature Set You Wish to Enable:</p> <ol style="list-style-type: none"> <li>1. General Business (NTSKxxxx)</li> <li>2. Enhanced Business (NTSKxxxx)</li> <li>3. Enterprise (NTSKxxxx)</li> <li>4. NAS/VNS ( NTSKxxxx)</li> <li>5. Retain current Feature Set</li> </ol> <p><b>Note:</b> Item 5 retains existing ISM parameters.</p>				
	<table border="0" style="width: 100%;"> <thead> <tr> <th data-bbox="186 847 895 917" style="text-align: left;"><b>Prompt</b></th> <th data-bbox="895 847 1121 917" style="text-align: left;"><b>Response (example)</b></th> </tr> </thead> <tbody> <tr> <td data-bbox="186 917 895 992">Enter Selection:</td> <td data-bbox="895 917 1121 992"><b>2&lt;cr&gt;</b> (Enhanced Business)</td> </tr> </tbody> </table>	<b>Prompt</b>	<b>Response (example)</b>	Enter Selection:	<b>2&lt;cr&gt;</b> (Enhanced Business)
<b>Prompt</b>	<b>Response (example)</b>				
Enter Selection:	<b>2&lt;cr&gt;</b> (Enhanced Business)				
—continued—					

## Upgrading Feature Set and ISM Parameter Procedure (Continued)

Step	Action										
<b>6</b>	<b>Indicate whether or not packages are to be added.</b>										
	Feature Set Selection: Enhanced Business										
	<table border="1"> <thead> <tr> <th>Prompt</th> <th>Response (example)</th> </tr> </thead> <tbody> <tr> <td>Do you wish to add packages?</td> <td><b>n&lt;cr&gt;</b> (no) <b>y&lt;cr&gt;</b> (yes) <b>a&lt;cr&gt;</b> (abort, return to main menu)</td> </tr> <tr> <td><b>If</b></td> <td><b>Do</b></td> </tr> <tr> <td>the response was <b>n</b></td> <td>Step 9</td> </tr> <tr> <td>the response was <b>y</b></td> <td>Step 7</td> </tr> </tbody> </table>	Prompt	Response (example)	Do you wish to add packages?	<b>n&lt;cr&gt;</b> (no) <b>y&lt;cr&gt;</b> (yes) <b>a&lt;cr&gt;</b> (abort, return to main menu)	<b>If</b>	<b>Do</b>	the response was <b>n</b>	Step 9	the response was <b>y</b>	Step 7
Prompt	Response (example)										
Do you wish to add packages?	<b>n&lt;cr&gt;</b> (no) <b>y&lt;cr&gt;</b> (yes) <b>a&lt;cr&gt;</b> (abort, return to main menu)										
<b>If</b>	<b>Do</b>										
the response was <b>n</b>	Step 9										
the response was <b>y</b>	Step 7										
<b>7</b>	<b>Select the Feature packages to be added.</b>										
	Summary of Packages selected is: 0-2 4-5 7-14 16-25 28-29 32-64 67 70-77 79-83 86-93 95 98-104 107-111 113-116 118-120 122-125 127-129 131-133 135 137-141										
	<table border="1"> <thead> <tr> <th>Prompt</th> <th>Response (example)</th> </tr> </thead> <tbody> <tr> <td>Enter packages (s) to be added, blank line to end:</td> <td><b>215-235&lt;cr&gt;</b> <b>&lt;cr&gt;</b> (ends selection entry or if no packages are to be added)</td> </tr> </tbody> </table>	Prompt	Response (example)	Enter packages (s) to be added, blank line to end:	<b>215-235&lt;cr&gt;</b> <b>&lt;cr&gt;</b> (ends selection entry or if no packages are to be added)						
Prompt	Response (example)										
Enter packages (s) to be added, blank line to end:	<b>215-235&lt;cr&gt;</b> <b>&lt;cr&gt;</b> (ends selection entry or if no packages are to be added)										
—continued—											

**Upgrading Feature Set and ISM Parameter Procedure (Continued)**

Step	Action										
<b>8</b>	<b>Confirm Feature Set and added packages.</b>										
	<pre>Your Feature Set Selection is "Enterprise Business": Additional Packages selected: none Summary of Packages selected is: 0-2 4-5 7-14 16-25 28-29 32-64 67 70-77 79-83 86-93 95 98-104 107-111 113-116 118-120 122-125 127-129 131-133 135 137-141 ... ... 200-210 212</pre>										
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Prompt</th> <th style="text-align: left;">Response</th> </tr> </thead> <tbody> <tr> <td>Is this correct?</td> <td><b>n</b>&lt;cr&gt; (no) <b>y</b>&lt;cr&gt; (yes) <b>a</b>&lt;cr&gt; (abort, return to main menu)</td> </tr> <tr> <td><b>If</b></td> <td><b>Do</b></td> </tr> <tr> <td>the response was <b>n</b></td> <td>Step 5 and enter the correct Feature set and packages</td> </tr> <tr> <td>the response was <b>y</b></td> <td>Step 9</td> </tr> </tbody> </table>	Prompt	Response	Is this correct?	<b>n</b> <cr> (no) <b>y</b> <cr> (yes) <b>a</b> <cr> (abort, return to main menu)	<b>If</b>	<b>Do</b>	the response was <b>n</b>	Step 5 and enter the correct Feature set and packages	the response was <b>y</b>	Step 9
Prompt	Response										
Is this correct?	<b>n</b> <cr> (no) <b>y</b> <cr> (yes) <b>a</b> <cr> (abort, return to main menu)										
<b>If</b>	<b>Do</b>										
the response was <b>n</b>	Step 5 and enter the correct Feature set and packages										
the response was <b>y</b>	Step 9										
<b>9</b>	<b>Review ISM parameters.</b>										
	<p><b>Note:</b> The ISM parameters displayed on the terminal screen are the default settings associated with the Feature Set selection. If Feature Set is not changed, the parameters displayed remain as the current ISM parameters. These settings can be accepted without changes or changed to suit the requirements of the system.</p> <pre>Current ISM Parameters: TNS (1000) (maximum number of terminal numbers) AGNT (1000) (maximum number of ACD agents) ACDN (0100) (maximum number of ACD DNs) AST (0000) (maximum number of associate Sets) DSL (0000) (maximum number of Digital Subscriber Loops) LTID (0000) (maximum number of Logical Terminal IDs) MOPT (0000) (Meridian Mail option)</pre>										
—continued—											

## Upgrading Feature Set and ISM Parameter Procedure (Continued)

Step	Action										
	<table border="1"> <thead> <tr> <th>Prompt</th> <th>Response</th> </tr> </thead> <tbody> <tr> <td>Do you wish to change ISM parameters?</td> <td><b>n</b>&lt;cr&gt; (no) <b>y</b>&lt;cr&gt; (yes) <b>a</b>&lt;cr&gt; (abort, return to main menu)</td> </tr> <tr> <th>If</th> <th>Do</th> </tr> <tr> <td>the response was <b>n</b></td> <td>Step 12</td> </tr> <tr> <td>the response was <b>y</b></td> <td>Step 10</td> </tr> </tbody> </table>	Prompt	Response	Do you wish to change ISM parameters?	<b>n</b> <cr> (no) <b>y</b> <cr> (yes) <b>a</b> <cr> (abort, return to main menu)	If	Do	the response was <b>n</b>	Step 12	the response was <b>y</b>	Step 10
Prompt	Response										
Do you wish to change ISM parameters?	<b>n</b> <cr> (no) <b>y</b> <cr> (yes) <b>a</b> <cr> (abort, return to main menu)										
If	Do										
the response was <b>n</b>	Step 12										
the response was <b>y</b>	Step 10										
<b>10</b>	<b>Select ISM parameters.</b>										
	<table border="1"> <thead> <tr> <th>Prompt (example)</th> <th>Response (example)</th> </tr> </thead> <tbody> <tr> <td>Enter new ISM parameters, &lt;cr&gt; to leave as is: TNS (1000) AGNT (1000) ACDN (0100) AST (0000) DSL (0000) LTD (0000) MOPT (0000)</td> <td><b>&lt;cr&gt;</b> (no change) <b>&lt;cr&gt;</b> (no change) <b>&lt;cr&gt;</b> (no change) <b>100&lt;cr&gt;</b> (change) <b>&lt;cr&gt;</b> (no change) <b>&lt;cr&gt;</b> (no change) <b>&lt;cr&gt;</b> (no change)</td> </tr> </tbody> </table>	Prompt (example)	Response (example)	Enter new ISM parameters, <cr> to leave as is: TNS (1000) AGNT (1000) ACDN (0100) AST (0000) DSL (0000) LTD (0000) MOPT (0000)	<b>&lt;cr&gt;</b> (no change) <b>&lt;cr&gt;</b> (no change) <b>&lt;cr&gt;</b> (no change) <b>100&lt;cr&gt;</b> (change) <b>&lt;cr&gt;</b> (no change) <b>&lt;cr&gt;</b> (no change) <b>&lt;cr&gt;</b> (no change)						
Prompt (example)	Response (example)										
Enter new ISM parameters, <cr> to leave as is: TNS (1000) AGNT (1000) ACDN (0100) AST (0000) DSL (0000) LTD (0000) MOPT (0000)	<b>&lt;cr&gt;</b> (no change) <b>&lt;cr&gt;</b> (no change) <b>&lt;cr&gt;</b> (no change) <b>100&lt;cr&gt;</b> (change) <b>&lt;cr&gt;</b> (no change) <b>&lt;cr&gt;</b> (no change) <b>&lt;cr&gt;</b> (no change)										
—continued—											

**Upgrading Feature Set and ISM Parameter Procedure (Continued)**

Step	Action										
<b>11</b>	<b>Confirm ISM parameters.</b>										
	<p>New ISM parameters are:</p> <p>TNS (1000)</p> <p>AGNT (1000)</p> <p>ACDN (0100)</p> <p>AST (0100)</p> <p>DSL (0000)</p> <p>LTID (0000)</p> <p>MOPT (0000)</p>										
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Prompt	Response										
Is this correct?	<b>n&lt;cr&gt;</b> (no) <b>y&lt;cr&gt;</b> (yes) <b>a&lt;cr&gt;</b> (abort, return to main menu)										
<b>If</b>	<b>Do</b>										
the response was <b>n</b>	Step 9										
the response was <b>y</b>	Step 12										
—continued—											

## Upgrading Feature Set and ISM Parameter Procedure (Continued)

Step	Action										
<b>12</b>	<b>Define the AUX ID.</b>										
	<b>Note:</b> The default AUX ID is the system ID provided with the Option 11C. It should be replaced with the previous Option 11 or Option 11E site ID.										
	<table border="1"> <thead> <tr> <th>Prompt (example)</th> <th>Response (example)</th> </tr> </thead> <tbody> <tr> <td>Security ID: 12121212 Current AUX ID: 02020202 Do you wish to change the AUX ID?</td> <td><b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)</td> </tr> <tr> <td><b>If</b></td> <td><b>Do</b></td> </tr> <tr> <td>the response was <b>n</b></td> <td>Step 14</td> </tr> <tr> <td>the response was <b>y</b></td> <td>Step 13</td> </tr> </tbody> </table>	Prompt (example)	Response (example)	Security ID: 12121212 Current AUX ID: 02020202 Do you wish to change the AUX ID?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)	<b>If</b>	<b>Do</b>	the response was <b>n</b>	Step 14	the response was <b>y</b>	Step 13
Prompt (example)	Response (example)										
Security ID: 12121212 Current AUX ID: 02020202 Do you wish to change the AUX ID?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)										
<b>If</b>	<b>Do</b>										
the response was <b>n</b>	Step 14										
the response was <b>y</b>	Step 13										
<b>13</b>	<b>Enter the AUX ID.</b>										
	<table border="1"> <tbody> <tr> <td>Enter the Option 11/11E System ID for the new AUX ID, &lt;cr&gt; to maintain</td> <td><b>12121212&lt;cr&gt;</b></td> </tr> <tr> <td>New AUX ID: 12121212  Is this correct?</td> <td><b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)</td> </tr> </tbody> </table>	Enter the Option 11/11E System ID for the new AUX ID, <cr> to maintain	<b>12121212&lt;cr&gt;</b>	New AUX ID: 12121212  Is this correct?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)						
Enter the Option 11/11E System ID for the new AUX ID, <cr> to maintain	<b>12121212&lt;cr&gt;</b>										
New AUX ID: 12121212  Is this correct?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)										
—continued—											

**Upgrading Feature Set and ISM Parameter Procedure (Continued)**

Step	Action						
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<b>If</b>	<b>Do</b>						
the response was <b>n</b>	Step 12						
the response was <b>y</b>	Step 14						
<b>14</b>	<b>Review and confirm information entered.</b>						
	<pre> Same Release Upgrade Summary: Security ID      :      12121212 AUX ID          :      12121212                   OLD              NEW Feature Set     :                  Enterprise Business Added Pkgs     :                  none ISM Parameters     TSN         :      1000      1000     AGNT        :      1000      1000     ACDN        :      0100      0100     AST         :      0000      0100     DSL         :      0000      0000     LTID        :      0000      0000     MOPT        :      0000      0000                 </pre>						
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;"><b>Prompt</b></th> <th><b>Response</b></th> </tr> </thead> <tbody> <tr> <td>Is this correct?</td> <td><b>n</b>&lt;cr&gt; (no) <b>y</b>&lt;cr&gt; (yes) <b>a</b>&lt;cr&gt; (abort, return to main menu)</td> </tr> </tbody> </table>	<b>Prompt</b>	<b>Response</b>	Is this correct?	<b>n</b> <cr> (no) <b>y</b> <cr> (yes) <b>a</b> <cr> (abort, return to main menu)		
<b>Prompt</b>	<b>Response</b>						
Is this correct?	<b>n</b> <cr> (no) <b>y</b> <cr> (yes) <b>a</b> <cr> (abort, return to main menu)						
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<b>If</b>	<b>Do</b>						
the response was <b>n</b>	Step 4 to make changes						
the response was <b>y</b>	Step 15 to enter keycodes						
—continued—							

## Upgrading Feature Set and ISM Parameter Procedure (Continued)

Step	Action										
15	<b>Enter the keycodes</b>										
	<b>Note:</b> Enter keycodes in place of <b>x, y, z</b> , shown in Response column.										
	<table border="1"> <thead> <tr> <th>Prompt</th> <th>Response</th> </tr> </thead> <tbody> <tr> <td>Enter new Keycodes:</td> <td></td> </tr> <tr> <td>Key 1:</td> <td>xxxxxxx&lt;cr&gt;</td> </tr> <tr> <td>Key 2:</td> <td>yyyyyyy&lt;cr&gt;</td> </tr> <tr> <td>Key 3:</td> <td>zzzzzzz&lt;cr&gt;</td> </tr> </tbody> </table>	Prompt	Response	Enter new Keycodes:		Key 1:	xxxxxxx<cr>	Key 2:	yyyyyyy<cr>	Key 3:	zzzzzzz<cr>
Prompt	Response										
Enter new Keycodes:											
Key 1:	xxxxxxx<cr>										
Key 2:	yyyyyyy<cr>										
Key 3:	zzzzzzz<cr>										
	<table border="1"> <thead> <tr> <th>If</th> <th>Do</th> </tr> </thead> <tbody> <tr> <td>after the last keycode is entered, 'Keycode validation successful" ***WARNING*** A system restart will be invoked as part of the software installation process" message appears</td> <td>Step 16</td> </tr> <tr> <td>after the last keycode is entered, 'Keycode validation unsuccessful' message appears</td> <td>Step 15 again to re-enter correct keycodes</td> </tr> </tbody> </table>	If	Do	after the last keycode is entered, 'Keycode validation successful" ***WARNING*** A system restart will be invoked as part of the software installation process" message appears	Step 16	after the last keycode is entered, 'Keycode validation unsuccessful' message appears	Step 15 again to re-enter correct keycodes				
If	Do										
after the last keycode is entered, 'Keycode validation successful" ***WARNING*** A system restart will be invoked as part of the software installation process" message appears	Step 16										
after the last keycode is entered, 'Keycode validation unsuccessful' message appears	Step 15 again to re-enter correct keycodes										
	<b>Note:</b> After three unsuccessful keycode validation attempts, the following message appears.										
	Keycode validation unsuccessful. Installation aborted...returning to main menu.										
—continued—											

Upgrading Feature Set and ISM Parameter Procedure (Continued)

Step	Action										
16	Complete the software installation.										
	<table border="1"> <thead> <tr> <th>Prompt</th> <th>Response</th> </tr> </thead> <tbody> <tr> <td>Are you sure you wish to perform the installation?</td> <td><b>y</b>&lt;cr&gt; (yes) <b>n</b>&lt;cr&gt; (no) <b>a</b>&lt;cr&gt; (abort, return to main menu)</td> </tr> <tr> <th>If</th> <th>Do</th> </tr> <tr> <td>response was <b>y</b></td> <td>—End— See Note</td> </tr> <tr> <td>response was <b>n</b></td> <td>Step 2</td> </tr> </tbody> </table>	Prompt	Response	Are you sure you wish to perform the installation?	<b>y</b> <cr> (yes) <b>n</b> <cr> (no) <b>a</b> <cr> (abort, return to main menu)	If	Do	response was <b>y</b>	—End— See Note	response was <b>n</b>	Step 2
Prompt	Response										
Are you sure you wish to perform the installation?	<b>y</b> <cr> (yes) <b>n</b> <cr> (no) <b>a</b> <cr> (abort, return to main menu)										
If	Do										
response was <b>y</b>	—End— See Note										
response was <b>n</b>	Step 2										
	<p><b>Note:</b> A system reload (SYSLOAD) must be invoked for the changes to take effect. However, it need not be invoked immediately since the information is stored in the Option 11C until the SYSLOAD is performed. Since a SYSLOAD interrupts service on the system, it may be preferable to invoke it later when a service interruption is less inconvenient.</p>										
—End—											

---

# Chapter 7—Restoring a backed up database

---

## Introduction

This chapter describes how to use the Restore Backed Up database utility to restore a database from any of the following sources:

- the backup Flash Drive (using LD 43)
- a Software Delivery (PCMCIA) card (using LD 43)
- a Customer Configuration Backup and Restore (CCBR) file (using LD 143)

## How to restore a backed up database

### Summary of steps

The steps to restore a backed up database are summarized in the following list. They consist of:

- Selecting the Utilities function.
- Selecting the database source
- Restoring the database

### Restoring the database

The following procedure describes how to restore the database.

### Database Restoration Procedure

Step	Action														
<b>1</b>	<b>Invoke the Install Setup Program using Overlay 143.</b>														
	Login to the system by entering <b>LOGI&lt;cr&gt;</b> then proceed with the following:														
	<b>Note:</b> The response to <b>PASS?</b> is unique to each system. The response shown below is an example.														
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Prompt</th> <th style="text-align: left;">Response</th> </tr> </thead> <tbody> <tr> <td>PASS?</td> <td>0000&lt;cr&gt;</td> </tr> <tr> <td>.</td> <td>LD 143&lt;cr&gt;</td> </tr> <tr> <td></td> <td>UPGRADE&lt;cr&gt;</td> </tr> <tr> <th style="text-align: left;">If</th> <th style="text-align: left;">Do</th> </tr> <tr> <td>SOFTWARE INSTALLATION PROGRAM message appears</td> <td>Step 2</td> </tr> <tr> <td>SOFTWARE INSTALLATION PROGRAM message does not appear</td> <td>Repeat Step 1 (this step) and make sure correct information is entered</td> </tr> </tbody> </table>	Prompt	Response	PASS?	0000<cr>	.	LD 143<cr>		UPGRADE<cr>	If	Do	SOFTWARE INSTALLATION PROGRAM message appears	Step 2	SOFTWARE INSTALLATION PROGRAM message does not appear	Repeat Step 1 (this step) and make sure correct information is entered
Prompt	Response														
PASS?	0000<cr>														
.	LD 143<cr>														
	UPGRADE<cr>														
If	Do														
SOFTWARE INSTALLATION PROGRAM message appears	Step 2														
SOFTWARE INSTALLATION PROGRAM message does not appear	Repeat Step 1 (this step) and make sure correct information is entered														
<b>2</b>	<b>Select Utilities from the Main Menu.</b>														
	<p>Software Installation Main Menu</p> <ol style="list-style-type: none"> <li>1. New System Installation or Option 11/11E Upgrade - From Software Daughterboard</li> <li>2. System Upgrade</li> <li>3. Utilities</li> <li>4. New System Installation - From Software Delivery Card</li> </ol> <p>[q]uit, [h]elp or [?], &lt;cr&gt; - redisplay</p>														
—continued—															

## Database Restoration Procedure (Continued)

Step	Action				
	<table border="1"> <thead> <tr> <th>Prompt</th> <th>Response</th> </tr> </thead> <tbody> <tr> <td>Enter Selection:</td> <td>3&lt;cr&gt;</td> </tr> </tbody> </table>	Prompt	Response	Enter Selection:	3<cr>
Prompt	Response				
Enter Selection:	3<cr>				
<b>3</b>	<b>Select item 1 from the Utilities Menu.</b>				
	<p>Utilities Menu:</p> <ol style="list-style-type: none"> <li>1. Restore backed Up database</li> <li>2. Archive Customer defined databases</li> <li>3. Install Archived database</li> <li>4. Review Upgrade Information</li> <li>5. Clear Upgrade Information</li> <li>6. Undo Installation</li> <li>7. Flash Boot ROM Utilities</li> <li>8. Current Installation Summary</li> </ol> <p>[q]uit, [p]revious, [m]ain, [h]elp [?], &lt;cr&gt; redisplay</p> <table border="1"> <thead> <tr> <th>Prompt</th> <th>Response</th> </tr> </thead> <tbody> <tr> <td>Enter Selection:</td> <td>1&lt;cr&gt; (Restore Backed Up Database)</td> </tr> </tbody> </table>	Prompt	Response	Enter Selection:	1<cr> (Restore Backed Up Database)
Prompt	Response				
Enter Selection:	1<cr> (Restore Backed Up Database)				
<b>4</b>	<b>Select source of database.</b>				
	<p>Select Restore Database Source:</p> <ol style="list-style-type: none"> <li>1. Backup Flash Drive</li> <li>2. External Drive</li> <li>3. Option 11C CCBR Restore file</li> <li>4. Option 11/11E CCBR File</li> <li>5. Option 11/11E Software Cartridge</li> </ol> <p>[q]uit, &lt;cr&gt;current menu, [m]ain, [p]revious menu,</p> <table border="1"> <thead> <tr> <th>Prompt</th> <th>Response (examples)</th> </tr> </thead> <tbody> <tr> <td>Enter Selection:</td> <td>1&lt;cr&gt; (Backup Flash Drive) 2&lt;cr&gt; (External Drive) 3&lt;cr&gt; (CCBR Restore file)</td> </tr> </tbody> </table>	Prompt	Response (examples)	Enter Selection:	1<cr> (Backup Flash Drive) 2<cr> (External Drive) 3<cr> (CCBR Restore file)
Prompt	Response (examples)				
Enter Selection:	1<cr> (Backup Flash Drive) 2<cr> (External Drive) 3<cr> (CCBR Restore file)				
—continued—					

**Database Restoration Procedure (Continued)**

Step	Action										
	<table border="1" style="width: 100%;"> <thead> <tr> <th style="text-align: left;">If</th> <th style="text-align: left;">Do</th> </tr> </thead> <tbody> <tr> <td>response was 1</td> <td>Step 5</td> </tr> <tr> <td>response was 2</td> <td>Step 7</td> </tr> <tr> <td>response was 3</td> <td>Step 8</td> </tr> </tbody> </table>	If	Do	response was 1	Step 5	response was 2	Step 7	response was 3	Step 8		
If	Do										
response was 1	Step 5										
response was 2	Step 7										
response was 3	Step 8										
<b>5</b>	<b>Confirm Restore Database from the Backup Flash Drive.</b>										
	<p><b>Note:</b> Perform this step only when restoring a database from the flash drive. If restoring from another source, return to Step 3.</p> <hr/> <p>Backup file on Flash Drive from 95/04/01 will be restored to the Primary Drive</p> <hr/> <table border="1" style="width: 100%;"> <thead> <tr> <th style="text-align: left;">Prompt</th> <th style="text-align: left;">Response</th> </tr> </thead> <tbody> <tr> <td>Are you sure you wish to perform the Restore?</td> <td> <b>n&lt;cr&gt;</b> (no)  <b>y&lt;cr&gt;</b> (yes)  <b>a&lt;cr&gt;</b> (abort, return to main menu)                 </td> </tr> </tbody> </table> <hr/> <table border="1" style="width: 100%;"> <thead> <tr> <th style="text-align: left;">If</th> <th style="text-align: left;">Do</th> </tr> </thead> <tbody> <tr> <td>response was <b>y</b></td> <td>Step 6</td> </tr> <tr> <td>response was <b>n</b></td> <td>Step 2</td> </tr> </tbody> </table>	Prompt	Response	Are you sure you wish to perform the Restore?	<b>n&lt;cr&gt;</b> (no) <b>y&lt;cr&gt;</b> (yes) <b>a&lt;cr&gt;</b> (abort, return to main menu)	If	Do	response was <b>y</b>	Step 6	response was <b>n</b>	Step 2
Prompt	Response										
Are you sure you wish to perform the Restore?	<b>n&lt;cr&gt;</b> (no) <b>y&lt;cr&gt;</b> (yes) <b>a&lt;cr&gt;</b> (abort, return to main menu)										
If	Do										
response was <b>y</b>	Step 6										
response was <b>n</b>	Step 2										
<b>6</b>	<b>Complete restore from Flash Drive</b>										
	<p><b>Note:</b> Perform this step only when restoring a database from the flash drive. If restoring from another source, return to Step 3.</p> <hr/> <p>Restore successful.</p>										
—continued—											

## Database Restoration Procedure (Continued)

Step	Action										
	<table border="1"> <thead> <tr> <th>If</th> <th>Do</th> </tr> </thead> <tbody> <tr> <td>Restore successful message is displayed</td> <td>—End—</td> </tr> <tr> <td>Restore unsuccessful message is displayed</td> <td>Step 2</td> </tr> </tbody> </table> <p><b>Note:</b> The <code>Restore successful</code> message indicates that the database has been successfully restored and no further action is required.</p>	If	Do	Restore successful message is displayed	—End—	Restore unsuccessful message is displayed	Step 2				
If	Do										
Restore successful message is displayed	—End—										
Restore unsuccessful message is displayed	Step 2										
<b>7</b>	<b>Confirm Restore Database from the External Drive (PCMCIA card).</b>										
	<p><b>Note:</b> Perform this step only when restoring a database from an external drive source (PCMCIA). If restoring from another source, return to Step 3.</p> <p>Restoring primary drive from External Drive..FRI OCT 20 15:56:22 1995 System Restart required to activate restored database</p> <table border="1"> <thead> <tr> <th>Prompt</th> <th>Response</th> </tr> </thead> <tbody> <tr> <td>Are you sure you wish to perform the Restore?</td> <td><b>n&lt;cr&gt;</b> (no) <b>y&lt;cr&gt;</b> (yes) <b>a&lt;cr&gt;</b> (abort, return to main menu)</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th>If</th> <th>Do</th> </tr> </thead> <tbody> <tr> <td>response was <b>y</b></td> <td>Step 9</td> </tr> <tr> <td>response was <b>n</b></td> <td>Step 2</td> </tr> </tbody> </table>	Prompt	Response	Are you sure you wish to perform the Restore?	<b>n&lt;cr&gt;</b> (no) <b>y&lt;cr&gt;</b> (yes) <b>a&lt;cr&gt;</b> (abort, return to main menu)	If	Do	response was <b>y</b>	Step 9	response was <b>n</b>	Step 2
Prompt	Response										
Are you sure you wish to perform the Restore?	<b>n&lt;cr&gt;</b> (no) <b>y&lt;cr&gt;</b> (yes) <b>a&lt;cr&gt;</b> (abort, return to main menu)										
If	Do										
response was <b>y</b>	Step 9										
response was <b>n</b>	Step 2										
—continued—											

**Database Restoration Procedure (Continued)**

Step	Action								
<b>8</b>	<b>Restore Database from the CCBR Restore file.</b>								
	<p><b>Note:</b> Perform this step only when restoring a database from a CCBR Restore file. If restoring from another source, return to Step 3.</p>								
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Prompt</th> <th style="width: 40%;">Response</th> </tr> </thead> <tbody> <tr> <td>WARNING: You must have an Option 11C CCBR file backed up.</td> <td><b>n&lt;cr&gt;</b> (no)</td> </tr> <tr> <td>WARNING: Your internal backup will be erased.</td> <td><b>y&lt;cr&gt;</b> (yes)</td> </tr> <tr> <td>Are you sure you wish to Restore?</td> <td><b>a&lt;cr&gt;</b> (abort, return to main menu)</td> </tr> </tbody> </table>	Prompt	Response	WARNING: You must have an Option 11C CCBR file backed up.	<b>n&lt;cr&gt;</b> (no)	WARNING: Your internal backup will be erased.	<b>y&lt;cr&gt;</b> (yes)	Are you sure you wish to Restore?	<b>a&lt;cr&gt;</b> (abort, return to main menu)
Prompt	Response								
WARNING: You must have an Option 11C CCBR file backed up.	<b>n&lt;cr&gt;</b> (no)								
WARNING: Your internal backup will be erased.	<b>y&lt;cr&gt;</b> (yes)								
Are you sure you wish to Restore?	<b>a&lt;cr&gt;</b> (abort, return to main menu)								
	<pre> Entering receive mode for data transfer... Escape back to host machine and commence upload... Database transfer complete... Restoring Primary drive from CCBR file... Restore successful. System Restart required to activate restored database.                     </pre>								
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">If</th> <th style="width: 40%;">Do</th> </tr> </thead> <tbody> <tr> <td>Restore successful message is displayed</td> <td>Step 9</td> </tr> <tr> <td>Restore unsuccessful message is displayed</td> <td>Step 2</td> </tr> </tbody> </table>	If	Do	Restore successful message is displayed	Step 9	Restore unsuccessful message is displayed	Step 2		
If	Do								
Restore successful message is displayed	Step 9								
Restore unsuccessful message is displayed	Step 2								
<b>9</b>	<b>Invoke a system restart (SYSLOAD).</b>								
	<p>Invoke a system reload (SYSLOAD) by setting the circuit breaker on the front of the power supply in the main cabinet to OFF then to ON.</p>								
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">If</th> <th style="width: 40%;">Do</th> </tr> </thead> <tbody> <tr> <td>SYSLOAD was successful</td> <td>—End—</td> </tr> <tr> <td>SYSLOAD was unsuccessful</td> <td>Step 1</td> </tr> </tbody> </table>	If	Do	SYSLOAD was successful	—End—	SYSLOAD was unsuccessful	Step 1		
If	Do								
SYSLOAD was successful	—End—								
SYSLOAD was unsuccessful	Step 1								
—End—									

# Chapter 8—Archiving and removing databases

---

## Introduction

This chapter describes how to use the Archive feature to:

- archive a new customer database
- list the databases that are archived
- remove existing archived databases.

The database can be defined in an off-site lab environment and saved (archived) on a Software Delivery (PCMCIA) card until it is required. It can then be loaded in the customer's system using the Software Delivery card.

## How to use archive feature

The customer database must first be defined and loaded into the flash ROM on the NTDK20 Small System Controller (SSC) card before it can be archived on the Software Delivery card.

Methods used to define and load customer databases are described in the following Chapters:

- Chapter 2—New installation or 11/11E upgrade from a Software Daughterboard
- Chapter 3—New system installation from a Software Delivery (PCMCIA) card
- Chapter 4— Option 11/11E upgrade using the Software Delivery (PCMCIA) card
- Chapter 5—Upgrade Option 11C software to a new release or issue
- Chapter 6—Option 11C Feature Set and ISM Parameters upgrade

### **Summary of steps**

The steps to archive a customer database are summarized in the following list. They consist of:

- Checking to make sure the correct Software Delivery card is installed.
- Selecting the Utilities function.
- Selecting Archive option.

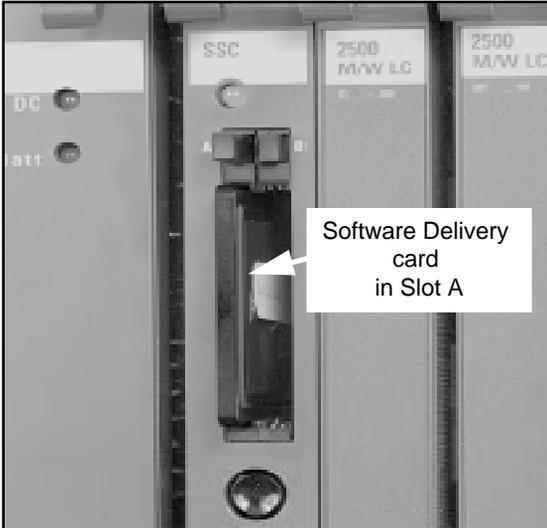
### **Using the archive feature**

The following procedure describes how to use the archive feature to list, add and remove customer databases.

## Using the archive feature

Step	Action
1	<p><b>If not previously done, install the Software Delivery card in the socket in the faceplate of the SSC Card.</b></p>
	<p><b>Note:</b> When adding a customer database to the archive, it must first be loaded in the SSC card of this system. Only a customer database that is already defined and loaded in the SSC card can be added to the archive. Make sure that the desired database is defined and loaded before attempting to archive it. However, archived databases can be listed and removed from the archive directly from the Software Delivery card without being loaded in the SSC card.</p> <p>Methods used to define and load customer databases are described in the following Chapters:</p> <ul style="list-style-type: none"> <li>• Chapter 2—New installation or 11/11E upgrade from a Software Daughterboard</li> <li>• Chapter 3—New system installation from a Software Delivery (PMCIA) card</li> <li>• Chapter 4—Option 11/11E upgrade using the Software Delivery (PCMCIA) card</li> <li>• Chapter 5—Upgrade Option 11C software to a new release or issue</li> <li>• Chapter 6—Option 11C Feature Set and ISM Parameters upgrade</li> </ul>
	—continued—

Using the archive feature (Continued)

Step	Action
	<p>To install the Software Delivery (PCMCIA) card:</p> <ul style="list-style-type: none"> <li>Insert the PCMCIA card in slot A in the PCMCIA socket located in the faceplate of the NTDK20 SSC card. Gently press on the PCMCIA card until it is firmly seated.</li> </ul>
	
<b>2</b>	<b>Select the method of invoking the Software Installation Program.</b>
	<p>There are two methods of invoking the Software Installation Program:</p> <ul style="list-style-type: none"> <li>By using the UPGRADE command in Overlay 143</li> </ul> <p style="text-align: center;">—or—</p> <ul style="list-style-type: none"> <li>By pressing the 'control' and 'I' keys on the keyboard when prompted after the Software Delivery card is installed.</li> </ul>
<b>If</b>	<b>Do</b>
you wish to invoke the program using Overlay 143	Step 3
you wish to wish to invoke the program when prompted	Step 4
—continued—	

## Using the archive feature (Continued)

Step	Action														
<b>3</b>	<b>Invoke the Software Installation Program using Overlay 143.</b>														
	<b>Note:</b> Perform this step only when using the Overlay 143 to invoke the Software Installation Program. To invoke the program during a SYSLOAD, skip this step and do Step 4.														
	Login to the system by entering <b>LOGI&lt;cr&gt;</b> then proceed with the following:														
	<b>Note:</b> The response to <b>PASS?</b> is unique to each system. The response shown below is an example.														
	<table border="1"> <thead> <tr> <th>Prompt</th> <th>Response</th> </tr> </thead> <tbody> <tr> <td>PASS?</td> <td>0000&lt;cr&gt;</td> </tr> <tr> <td>.</td> <td>LD 143&lt;cr&gt;</td> </tr> <tr> <td></td> <td>UPGRADE&lt;cr&gt;</td> </tr> <tr> <th>If</th> <th>Do</th> </tr> <tr> <td>SOFTWARE INSTALLATION PROGRAM message appears</td> <td>Step 5</td> </tr> <tr> <td>SOFTWARE INSTALLATION PROGRAM message does not appear</td> <td>Repeat Step 3 (this step) and make sure correct information is entered</td> </tr> </tbody> </table>	Prompt	Response	PASS?	0000<cr>	.	LD 143<cr>		UPGRADE<cr>	If	Do	SOFTWARE INSTALLATION PROGRAM message appears	Step 5	SOFTWARE INSTALLATION PROGRAM message does not appear	Repeat Step 3 (this step) and make sure correct information is entered
Prompt	Response														
PASS?	0000<cr>														
.	LD 143<cr>														
	UPGRADE<cr>														
If	Do														
SOFTWARE INSTALLATION PROGRAM message appears	Step 5														
SOFTWARE INSTALLATION PROGRAM message does not appear	Repeat Step 3 (this step) and make sure correct information is entered														
—continued—															

Using the archive feature (Continued)

Step	Action				
<b>4</b>	<b>Invoke the Software Installation Program when prompted.</b>				
	<p><b>Note:</b> Perform this step only when invoking the Software Installation Program when prompted after the Software Delivery card is installed. To invoke the program using Overlay 143, disregard this step and do Step 3 instead.</p> <hr/> <p>Invoke a system reload (SYSLOAD) by setting the circuit breaker on the front of the power supply to OFF then to ON.</p> <hr/> <p><b>Note:</b> When the FIVE SECONDS TO ENTER CONTROL-I TO INVOKE SOFTWARE INSTALLATION PROGRAM message appears a response must be entered within 5 seconds to invoke the Installer Setup Program.</p> <p>During SYSLOAD, the following prompt will appear:</p> <hr/> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Prompt</th> <th style="text-align: left;">Response</th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">FIVE SECONDS TO ENTER CONTROL-I TO INVOKE SOFTWARE INSTALLATION PROGRAM</td> <td style="padding: 5px;">Press and hold 'control' key and press 'I'</td> </tr> </tbody> </table> <hr/>	Prompt	Response	FIVE SECONDS TO ENTER CONTROL-I TO INVOKE SOFTWARE INSTALLATION PROGRAM	Press and hold 'control' key and press 'I'
Prompt	Response				
FIVE SECONDS TO ENTER CONTROL-I TO INVOKE SOFTWARE INSTALLATION PROGRAM	Press and hold 'control' key and press 'I'				
—continued—					

## Using the archive feature (Continued)

Step	Action				
<b>5</b>	<b>Select Utilities from the Main Menu.</b>				
	Software Installation Main Menu 1. New System Installation or Option 11/11E Upgrade - From Software Daughterboard 2. System Upgrade 3. Utilities 4. New System Installation - From Software Delivery Card [q]uit, [h]elp or [?], <cr> - redisplay				
	<table border="1"> <thead> <tr> <th>Prompt</th> <th>Response</th> </tr> </thead> <tbody> <tr> <td>Enter Selection:</td> <td>3&lt;cr&gt;</td> </tr> </tbody> </table>	Prompt	Response	Enter Selection:	3<cr>
Prompt	Response				
Enter Selection:	3<cr>				
<b>6</b>	<b>Select item 2 from the Utilities Menu.</b>				
	Utilities Menu: 1. Restore Backed Up database 2. Archive Database Utilities 3. Install Archived database 4. Review Upgrade Information 5. Clear Upgrade Information 6. Undo Installation 7. Flash Boot ROM Utilities 8. Current Installation Summary  [q]uit, <cr>current menu, [m]ain, [p]revious menu,				
	<table border="1"> <thead> <tr> <th>Prompt</th> <th>Response</th> </tr> </thead> <tbody> <tr> <td>Enter Selection:</td> <td>2&lt;cr&gt; (Archive Customer defined databases)</td> </tr> </tbody> </table>	Prompt	Response	Enter Selection:	2<cr> (Archive Customer defined databases)
Prompt	Response				
Enter Selection:	2<cr> (Archive Customer defined databases)				
—continued—					

Using the archive feature (Continued)

Step	Action												
<b>7</b>	<b>Select archive function.</b>												
	<p>Customer Database Archives:</p> <ol style="list-style-type: none"> <li>1. List customer databases</li> <li>2. Remove customer database</li> <li>3. Archive a customer database</li> </ol> <p>[q]uit, [p]revious, [m]ain, [h]elp or [?] &lt;cr&gt; - redisplay</p>												
	<table border="1"> <thead> <tr> <th>Prompt</th> <th>Response</th> </tr> </thead> <tbody> <tr> <td>Enter Selection:</td> <td> <b>1&lt;cr&gt;</b> (List Customer databases)  <b>2&lt;cr&gt;</b> (Remove Customer database)  <b>3&lt;cr&gt;</b> (Archive a Customer database)                 </td> </tr> <tr> <td><b>If</b></td> <td><b>Do</b></td> </tr> <tr> <td>the response was <b>1</b></td> <td>Step 8</td> </tr> <tr> <td>the response was <b>2</b></td> <td>Step 9</td> </tr> <tr> <td>the response was <b>3</b></td> <td>Step 10</td> </tr> </tbody> </table>	Prompt	Response	Enter Selection:	<b>1&lt;cr&gt;</b> (List Customer databases) <b>2&lt;cr&gt;</b> (Remove Customer database) <b>3&lt;cr&gt;</b> (Archive a Customer database)	<b>If</b>	<b>Do</b>	the response was <b>1</b>	Step 8	the response was <b>2</b>	Step 9	the response was <b>3</b>	Step 10
Prompt	Response												
Enter Selection:	<b>1&lt;cr&gt;</b> (List Customer databases) <b>2&lt;cr&gt;</b> (Remove Customer database) <b>3&lt;cr&gt;</b> (Archive a Customer database)												
<b>If</b>	<b>Do</b>												
the response was <b>1</b>	Step 8												
the response was <b>2</b>	Step 9												
the response was <b>3</b>	Step 10												
<b>8</b>	<b>Review list of archived databases.</b>												
	<ol style="list-style-type: none"> <li>1. Company.ABC</li> <li>2. XYZ.Offices</li> <li>3. Green.Packaging</li> </ol> <p>Customer Database Archives:</p> <ol style="list-style-type: none"> <li>1. List customer databases</li> <li>2. Remove customer database</li> <li>3. Archive a customer database</li> </ol> <p>[q]uit, [p]revious, [m]ain, [h]elp or [?] &lt;cr&gt; - redisplay</p>												
—continued—													

## Using the archive feature (Continued)

Step	Action								
	<table border="1"> <thead> <tr> <th>If</th> <th>Do</th> </tr> </thead> <tbody> <tr> <td>a database is to be removed from the archive</td> <td>Step 9</td> </tr> <tr> <td>a database is to be added to the archive</td> <td>Step 10</td> </tr> <tr> <td>end of activity</td> <td><b>q&lt;cr&gt;</b> — End—</td> </tr> </tbody> </table>	If	Do	a database is to be removed from the archive	Step 9	a database is to be added to the archive	Step 10	end of activity	<b>q&lt;cr&gt;</b> — End—
If	Do								
a database is to be removed from the archive	Step 9								
a database is to be added to the archive	Step 10								
end of activity	<b>q&lt;cr&gt;</b> — End—								
<b>9</b>	<b>Remove the desired customer database from the archive.</b>								
	<p><b>Note:</b> Perform this step only when removing a customer database from the archive. To add a database to the archive, do Step 10.</p>								
	<ol style="list-style-type: none"> <li>1. Company.ABC</li> <li>2. XYZ.Offices</li> <li>3. Green.Packaging</li> </ol> <p>q]uit, &lt;cr&gt;current menu, [m]ain, [p]revious menu,</p>								
	<table border="1"> <thead> <tr> <th>Prompt</th> <th>Response (example)</th> </tr> </thead> <tbody> <tr> <td>Enter selection</td> <td><b>3&lt;cr&gt;</b></td> </tr> <tr> <td>Remove database Green.Packaging database?</td> <td><b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no)</td> </tr> </tbody> </table>	Prompt	Response (example)	Enter selection	<b>3&lt;cr&gt;</b>	Remove database Green.Packaging database?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no)		
Prompt	Response (example)								
Enter selection	<b>3&lt;cr&gt;</b>								
Remove database Green.Packaging database?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no)								
	<table border="1"> <thead> <tr> <th>If</th> <th>Do</th> </tr> </thead> <tbody> <tr> <td>a database is to be added to the archive</td> <td><b>m&lt;cr&gt;</b> Step 5</td> </tr> <tr> <td>end of activity</td> <td><b>q&lt;cr&gt;</b> — End—</td> </tr> </tbody> </table>	If	Do	a database is to be added to the archive	<b>m&lt;cr&gt;</b> Step 5	end of activity	<b>q&lt;cr&gt;</b> — End—		
If	Do								
a database is to be added to the archive	<b>m&lt;cr&gt;</b> Step 5								
end of activity	<b>q&lt;cr&gt;</b> — End—								
<b>10</b>	<b>Add the customer database to the archive.</b>								
	<p><b>Note:</b> Perform this step only when adding a customer database to the archive.</p>								
	<table border="1"> <thead> <tr> <th>Prompt</th> <th>Response (example)</th> </tr> </thead> <tbody> <tr> <td>Enter a Customer name for your customized data:</td> <td><b>250SidneySt&lt;cr&gt;</b></td> </tr> <tr> <td>Customer database 250SidneySt created.</td> <td></td> </tr> <tr> <td>Copying database from primary drive to 250SidneySt.</td> <td></td> </tr> </tbody> </table>	Prompt	Response (example)	Enter a Customer name for your customized data:	<b>250SidneySt&lt;cr&gt;</b>	Customer database 250SidneySt created.		Copying database from primary drive to 250SidneySt.	
Prompt	Response (example)								
Enter a Customer name for your customized data:	<b>250SidneySt&lt;cr&gt;</b>								
Customer database 250SidneySt created.									
Copying database from primary drive to 250SidneySt.									
	—End—								

# Chapter 9—Installing an archived database

---

## Introduction

This chapter describes how to install an archived Customer Database in a designated Option 11C using the Software Delivery (PCMCIA) card.

## How to install an archived database

### Summary of steps

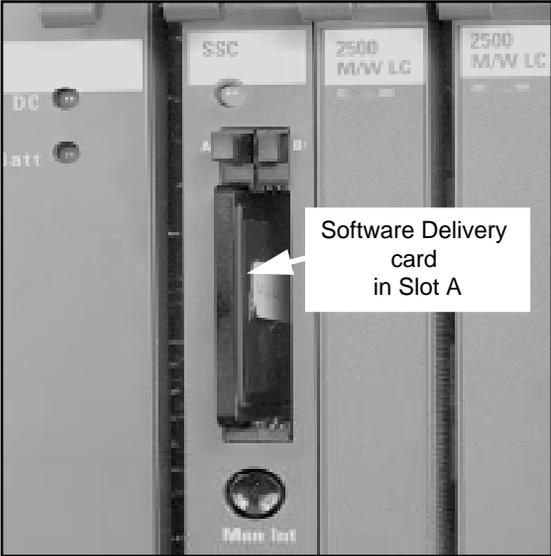
The archived customer database installation steps are summarized in the following list. They consist of:

- Checking to make sure the Software Delivery card is installed.
- Selecting the Utilities menu.
- Selecting Install Archived database option.
- Loading the database.

## Installing the database

The following procedure describes how to install an archived database using Software Delivery card.

### Customer Database Installation Procedure

Step	Action
1	<b>If not previously done, install the Software Delivery card in the socket in the faceplate of the System Core Card.</b>
<b>Note:</b> This Software Delivery card must be the same one that was used to upgrade this Option 11C. It must not have been used to upgrade a subsequent Option 11C because the Security ID will no longer match and the “undo” function will fail.	
To install the Software Delivery card:	
<ul style="list-style-type: none"><li>• Insert the Software Delivery card in slot A of the PCMCIA socket located in the faceplate of the NTDK20 System Core card. Gently press on the Software Delivery card until it is firmly seated.</li></ul>	
	
—continued—	

**Customer Database Installation Procedure (Continued)**

<b>Step</b>	<b>Action</b>						
<b>2</b>	<b>Select the method of invoking the Software Installation Program.</b>						
	<p>There are two methods of invoking the Software Installation Program:</p> <ul style="list-style-type: none"> <li>• By using the UPGRADE command in Overlay 143</li> </ul> <p style="text-align: center;">—or—</p> <ul style="list-style-type: none"> <li>• By pressing the 'control' and 'I' keys on the keyboard when prompted after the Software Delivery card is installed.</li> </ul>						
	<table border="1"> <thead> <tr> <th><b>If</b></th> <th><b>Do</b></th> </tr> </thead> <tbody> <tr> <td>you wish to invoke the program using Overlay 143</td> <td>Step 3</td> </tr> <tr> <td>you wish to wish to invoke the program when prompted</td> <td>Step 4</td> </tr> </tbody> </table>	<b>If</b>	<b>Do</b>	you wish to invoke the program using Overlay 143	Step 3	you wish to wish to invoke the program when prompted	Step 4
<b>If</b>	<b>Do</b>						
you wish to invoke the program using Overlay 143	Step 3						
you wish to wish to invoke the program when prompted	Step 4						
	—continued—						

**Customer Database Installation Procedure (Continued)**

Step	Action														
<b>3</b>	<b>Invoke the Software Installation Program using Overlay 143.</b>														
	<p><b>Note:</b> Perform this step only when using the Overlay 143 to invoke the Software Installation Program. To invoke the program during a SYSLOAD, skip this step and do Step 4.</p>														
	<p>Login to the system by entering <b>LOGI&lt;cr&gt;</b> then proceed with the following:</p>														
	<p><b>Note:</b> The response to <b>PASS?</b> is unique to each system. The response shown below is an example.</p>														
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Prompt</th> <th style="text-align: left;">Response</th> </tr> </thead> <tbody> <tr> <td>PASS?</td> <td>0000&lt;cr&gt;</td> </tr> <tr> <td>.</td> <td>LD 143&lt;cr&gt;</td> </tr> <tr> <td></td> <td>UPGRADE&lt;cr&gt;</td> </tr> <tr> <th style="text-align: left;">If</th> <th style="text-align: left;">Do</th> </tr> <tr> <td>SOFTWARE INSTALLATION PROGRAM message appears</td> <td>Step 5</td> </tr> <tr> <td>SOFTWARE INSTALLATION PROGRAM message does not appear</td> <td>Repeat Step 3 (this step) and make sure correct information is entered</td> </tr> </tbody> </table>	Prompt	Response	PASS?	0000<cr>	.	LD 143<cr>		UPGRADE<cr>	If	Do	SOFTWARE INSTALLATION PROGRAM message appears	Step 5	SOFTWARE INSTALLATION PROGRAM message does not appear	Repeat Step 3 (this step) and make sure correct information is entered
Prompt	Response														
PASS?	0000<cr>														
.	LD 143<cr>														
	UPGRADE<cr>														
If	Do														
SOFTWARE INSTALLATION PROGRAM message appears	Step 5														
SOFTWARE INSTALLATION PROGRAM message does not appear	Repeat Step 3 (this step) and make sure correct information is entered														
<b>4</b>	<b>Invoke the Software Installation Program when prompted.</b>														
	<p><b>Note:</b> Perform this step only when invoking the Software Installation Program when prompted after the Software Delivery card is installed. To invoke the program using Overlay 143, disregard this step and do Step 3 instead.</p>														
	<p>Invoke a system reload (SYSLOAD) by setting the circuit breaker on the front of the power supply in the main cabinet to OFF then to ON.</p>														
	<p><b>Note:</b> When the FIVE SECONDS TO ENTER CONTROL-I TO INVOKE SOFTWARE INSTALLATION PROGRAM message appears a response must be entered within 5 seconds to invoke the Installer Setup Program.</p> <p>During SYSLOAD, the following prompt will appear:</p>														
—continued—															

**Customer Database Installation Procedure (Continued)**

<b>Step</b>	<b>Action</b>				
	<table border="1"> <thead> <tr> <th><b>Prompt</b></th> <th><b>Response</b></th> </tr> </thead> <tbody> <tr> <td>FIVE SECONDS TO ENTER CONTROL-I TO INVOKE SOFTWARE INSTALLATION PROGRAM</td> <td>Press and hold 'control' key and press 'I'</td> </tr> </tbody> </table>	<b>Prompt</b>	<b>Response</b>	FIVE SECONDS TO ENTER CONTROL-I TO INVOKE SOFTWARE INSTALLATION PROGRAM	Press and hold 'control' key and press 'I'
<b>Prompt</b>	<b>Response</b>				
FIVE SECONDS TO ENTER CONTROL-I TO INVOKE SOFTWARE INSTALLATION PROGRAM	Press and hold 'control' key and press 'I'				
<b>5</b>	<b>Select Utilities from the Main Menu.</b>				
	<p>Software Installation Main Menu</p> <ol style="list-style-type: none"> <li>1. New System Installation or Option 11/11E Upgrade - From Software Daughterboard</li> <li>2. System Upgrade</li> <li>3. Utilities</li> <li>4. New System Installation - From Software Delivery Card</li> </ol> <p>[q]uit, [h]elp or [?], &lt;cr&gt; - redisplay</p> <table border="1"> <thead> <tr> <th><b>Prompt</b></th> <th><b>Response</b></th> </tr> </thead> <tbody> <tr> <td>Enter Selection:</td> <td>3&lt;cr&gt;</td> </tr> </tbody> </table>	<b>Prompt</b>	<b>Response</b>	Enter Selection:	3<cr>
<b>Prompt</b>	<b>Response</b>				
Enter Selection:	3<cr>				
<b>6</b>	<b>Select item 6 from the Utilities Menu.</b>				
	<p>Utilities Menu:</p> <ol style="list-style-type: none"> <li>1. Restore Backed Up database</li> <li>2. Archive Customer defined databases</li> <li>3. Install Archived database</li> <li>4. Review Upgrade Information</li> <li>5. Clear Upgrade Information</li> <li>6. Undo Installation</li> <li>7. Flash Boot ROM Utilities</li> <li>8. Current Installation Summary</li> </ol> <p>[q]uit, &lt;cr&gt;current menu, [m]ain, [p]revious menu,</p> <table border="1"> <thead> <tr> <th><b>Prompt</b></th> <th><b>Response</b></th> </tr> </thead> <tbody> <tr> <td>Enter Selection:</td> <td>3&lt;cr&gt; (Install Archived database)</td> </tr> </tbody> </table>	<b>Prompt</b>	<b>Response</b>	Enter Selection:	3<cr> (Install Archived database)
<b>Prompt</b>	<b>Response</b>				
Enter Selection:	3<cr> (Install Archived database)				
—continued—					

**Customer Database Installation Procedure (Continued)**

Step	Action										
<b>7</b>	<b>Select the Customer Database.</b>										
	<p>Customer Database Archives available:</p> <ol style="list-style-type: none"> <li>1. Company.ABC</li> <li>2. XYZ.Offices</li> <li>3. Green.Packaging</li> </ol> <p>[q]uit, [m]ain, [p]revious menu, &lt;cr&gt; - redisplay</p>										
	<table border="0" style="width: 100%;"> <tr> <td style="width: 60%;"><b>Prompt</b></td> <td style="width: 40%;"><b>Response</b> (example)</td> </tr> <tr> <td>Enter Selection:</td> <td><b>3&lt;cr&gt;</b> (Install Green.Packaging database)</td> </tr> </table>	<b>Prompt</b>	<b>Response</b> (example)	Enter Selection:	<b>3&lt;cr&gt;</b> (Install Green.Packaging database)						
<b>Prompt</b>	<b>Response</b> (example)										
Enter Selection:	<b>3&lt;cr&gt;</b> (Install Green.Packaging database)										
<b>8</b>	<b>Confirm database selection.</b>										
	<table border="0" style="width: 100%;"> <tr> <td style="width: 60%;"><b>Prompt</b> (example)</td> <td style="width: 40%;"><b>Response</b></td> </tr> <tr> <td>Green.Packaging database selected for restore?</td> <td><b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no)</td> </tr> <tr> <td><b>If</b></td> <td><b>Do</b></td> </tr> <tr> <td>response was <b>y</b></td> <td>Step 9</td> </tr> <tr> <td>response was <b>n</b></td> <td>Step 7</td> </tr> </table>	<b>Prompt</b> (example)	<b>Response</b>	Green.Packaging database selected for restore?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no)	<b>If</b>	<b>Do</b>	response was <b>y</b>	Step 9	response was <b>n</b>	Step 7
<b>Prompt</b> (example)	<b>Response</b>										
Green.Packaging database selected for restore?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no)										
<b>If</b>	<b>Do</b>										
response was <b>y</b>	Step 9										
response was <b>n</b>	Step 7										
<b>9</b>	<b>Restore the archived database.</b>										
	<p>Restoring Archived database to Primary drive... Restore successful. System Restart required to activate database.</p>										
	<table border="0" style="width: 100%;"> <tr> <td style="width: 60%;"><b>If</b></td> <td style="width: 40%;"><b>Do</b></td> </tr> <tr> <td>restore was successful</td> <td>—End—</td> </tr> <tr> <td>restore was not successful</td> <td>Step 5</td> </tr> </table>	<b>If</b>	<b>Do</b>	restore was successful	—End—	restore was not successful	Step 5				
<b>If</b>	<b>Do</b>										
restore was successful	—End—										
restore was not successful	Step 5										
—End—											

---

# Chapter 10—Reviewing and clearing upgrade information

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## Introduction

This chapter describes how to use the Review Upgrade Information and Clear Upgrade Information options.

These options provide a means of reviewing the upgrade information that was entered and, if required, a means of clearing the upgrade information from the Software Installation Program.

## How to review and clear upgrade information

### Summary of steps

The steps to review and clear upgrade information are summarized in the following list. They consist of:

- Checking to make sure the Software Delivery (PCMCIA) card is installed.
- Selecting the Utilities menu.
- Selecting Review Upgrade Information option.
- Selecting Clear Upgrade Information option (if required).

### Reviewing and clearing upgrade information

The following procedure describes how to review and, if desired, clear the upgrade information.

**Review and Clear Upgrade Information Procedure**

Step	Action						
<b>1</b>	<p><b>If not previously done, install the Software Delivery card in the socket in the faceplate of the NTDK20 Small System Controller (SSC) card.</b></p> <p><i>Note:</i> This Software Delivery card must be the same one that was used to upgrade this Option 11C. It must not have been used to upgrade a subsequent Option 11C because the Security ID will no longer match and the “undo” function will fail.</p> <p>To install the Software Delivery card:</p> <ul style="list-style-type: none"> <li>• Insert the Software Delivery card in slot A in the PCMCIA socket located in the faceplate of the NTDK20 Small System Controller (SSC) card. Gently press on the Software Delivery card until it is firmly seated.</li> </ul>						
<b>2</b>	<p><b>Select the method of invoking the Software Installation Program.</b></p> <p>There are two methods of invoking the Software Installation Program:</p> <ul style="list-style-type: none"> <li>• By using the UPGRADE command in Overlay 143</li> </ul> <p style="text-align: center;">—or—</p> <ul style="list-style-type: none"> <li>• By pressing the ‘control’ and ‘I’ keys on the keyboard when prompted after the Software Delivery card is installed.</li> </ul> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; padding: 5px;"><b>If</b></th> <th style="text-align: left; padding: 5px;"><b>Do</b></th> </tr> </thead> <tbody> <tr> <td style="padding: 5px;">you wish to invoke the program using Overlay 143</td> <td style="padding: 5px;">Step 3</td> </tr> <tr> <td style="padding: 5px;">you wish to invoke the program when prompted</td> <td style="padding: 5px;">Step 4</td> </tr> </tbody> </table>	<b>If</b>	<b>Do</b>	you wish to invoke the program using Overlay 143	Step 3	you wish to invoke the program when prompted	Step 4
<b>If</b>	<b>Do</b>						
you wish to invoke the program using Overlay 143	Step 3						
you wish to invoke the program when prompted	Step 4						
<b>3</b>	<p><b>Invoke the Software Installation Program using Overlay 143.</b></p> <p><i>Note:</i> Perform this step only when using the Overlay 143 to invoke the Software Installation Program. To invoke the program during a SYSLOAD, skip this step and do Step 4.</p> <p>Login to the system by entering <b>LOGI&lt;cr&gt;</b> then proceed with the following:</p> <p><i>Note:</i> The response to <b>PASS?</b> is unique to each system. The response shown below is an example.</p> <p style="text-align: center;">—continued—</p>						

## Review and Clear Upgrade Information Procedure (Continued)

Step	Action	Response
	<b>Prompt</b>	<b>Response</b>
	PASS?	0000<cr>
	.	LD 143<cr>
		UPGRADE<cr>
	<b>If</b>	<b>Do</b>
	SOFTWARE INSTALLATION PROGRAM message appears	Step 5
	SOFTWARE INSTALLATION PROGRAM message does not appear	Repeat Step 3 (this step) and make sure correct information is entered
<b>4</b>	<b>Invoke the Software Installation Program when prompted.</b>	
	<b>Note:</b> Perform this step only when invoking the Software Installation Program when prompted after the Software Delivery card is installed. To invoke the program using Overlay 143, disregard this step and do Step 3 instead.	
	Invoke a system reload (SYSLOAD) by setting the circuit breaker on the front of the power supply in the main cabinet to OFF then to ON.	
	<b>Note:</b> When the FIVE SECONDS TO ENTER CONTROL-I TO INVOKE SOFTWARE INSTALLATION PROGRAM message appears a response must be entered within 5 seconds to invoke the Installer Setup Program.	
	During SYSLOAD, the following prompt will appear:	
	<b>Prompt</b>	<b>Response</b>
	FIVE SECONDS TO ENTER CONTROL-I TO INVOKE SOFTWARE INSTALLATION PROGRAM	Press and hold 'control' key and press 'I'
—continued—		

**Review and Clear Upgrade Information Procedure (Continued)**

Step	Action				
<b>5</b>	<b>Select Utilities from the Main Menu.</b>				
	Software Installation Main Menu 1. New System Installation or Option 11/11E Upgrade - From Software Daughterboard 2. System Upgrade 3. Utilities 4. New System Installation - From Software Delivery Card [q]uit, [h]elp or [?], <cr> - redisplay				
	<table border="1"> <thead> <tr> <th data-bbox="186 560 882 609">Prompt</th> <th data-bbox="882 560 1121 609">Response</th> </tr> </thead> <tbody> <tr> <td data-bbox="186 609 882 657">Enter Selection:</td> <td data-bbox="882 609 1121 657">3&lt;cr&gt;</td> </tr> </tbody> </table>	Prompt	Response	Enter Selection:	3<cr>
Prompt	Response				
Enter Selection:	3<cr>				
<b>6</b>	<b>Select the Review or Clear option from the Utilities Menu.</b>				
	Utilities Menu: 1. Restore Backed Up database 2. Archive Customer defined databases 3. Install Archived database 4. Review Upgrade Information 5. Clear Upgrade Information 6. Undo Installation 7. Flash Boot ROM Utilities 8. Current Installation Summary  [q]uit, <cr>current menu, [m]ain, [p]revious menu,				
	<table border="1"> <thead> <tr> <th data-bbox="186 1015 882 1063">Prompt</th> <th data-bbox="882 1015 1121 1063">Response</th> </tr> </thead> <tbody> <tr> <td data-bbox="186 1063 882 1242">Enter Selection:</td> <td data-bbox="882 1063 1121 1242">                             4&lt;cr&gt; (Review Upgrade Information)                              5&lt;cr&gt; (Clear Upgrade Information)                         </td> </tr> </tbody> </table>	Prompt	Response	Enter Selection:	4<cr> (Review Upgrade Information) 5<cr> (Clear Upgrade Information)
Prompt	Response				
Enter Selection:	4<cr> (Review Upgrade Information) 5<cr> (Clear Upgrade Information)				
—continued—					

**Review and Clear Upgrade Information Procedure (Continued)**

<b>Step</b>	<b>Action</b>						
	<table border="1"> <thead> <tr> <th><b>If</b></th> <th><b>Do</b></th> </tr> </thead> <tbody> <tr> <td>response was 4&lt;cr&gt;</td> <td>Step 7</td> </tr> <tr> <td>response was 5&lt;cr&gt;</td> <td>Step 8</td> </tr> </tbody> </table>	<b>If</b>	<b>Do</b>	response was 4<cr>	Step 7	response was 5<cr>	Step 8
<b>If</b>	<b>Do</b>						
response was 4<cr>	Step 7						
response was 5<cr>	Step 8						
<b>7</b>	<b>Review summary of upgrade information.</b>						
	<pre> Software Upgrade Summary: Security ID      :      12345678 Aux ID         :      12345678 Database        :      Retain current                   NEW S/W Release     :      2308b ISM Parameters   :      NEW     TSN         :      1000     AGNT        :      1000     ACDN        :      0100     AST         :      0100     DSL         :      0100     LTID        :      0000     MOPT        :      0000 </pre> <p style="text-align: center;"><b>Return to Step 6</b></p>						
	—continued—						

**Review and Clear Upgrade Information Procedure (Continued)**

Step	Action										
<b>8</b>	<b>Review and clear or retain upgrade information.</b>										
	<pre> Software Upgrade Summary: Security ID      :      12345678 Aux ID         :      12345678 Database       :      Retain current                 :      NEW S/W Release    :      2308b ISM Parameters :      NEW     TSN        :      1000     AGNT       :      1000     ACDN       :      0100     AST        :      0100     DSL        :      0100     LTID       :      0000     MOPT       :      0000                     </pre>										
	<table border="1"> <thead> <tr> <th data-bbox="186 803 875 844">Prompt</th> <th data-bbox="875 803 1121 844">Response</th> </tr> </thead> <tbody> <tr> <td data-bbox="186 852 875 974">Do you wish to clear the Upgrade information?</td> <td data-bbox="875 852 1121 974"> <b>y&lt;cr&gt;</b> (yes)  <b>n&lt;cr&gt;</b> (no)  <b>a&lt;cr&gt;</b> (abort, return to main menu)                 </td> </tr> <tr> <td data-bbox="186 982 875 1031"><b>If</b></td> <td data-bbox="875 982 1121 1031"><b>Do</b></td> </tr> <tr> <td data-bbox="186 1039 875 1071">response was <b>y</b></td> <td data-bbox="875 1039 1121 1071">—End—</td> </tr> <tr> <td data-bbox="186 1079 875 1112">response was <b>n</b></td> <td data-bbox="875 1079 1121 1112">Step 5</td> </tr> </tbody> </table>	Prompt	Response	Do you wish to clear the Upgrade information?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)	<b>If</b>	<b>Do</b>	response was <b>y</b>	—End—	response was <b>n</b>	Step 5
Prompt	Response										
Do you wish to clear the Upgrade information?	<b>y&lt;cr&gt;</b> (yes) <b>n&lt;cr&gt;</b> (no) <b>a&lt;cr&gt;</b> (abort, return to main menu)										
<b>If</b>	<b>Do</b>										
response was <b>y</b>	—End—										
response was <b>n</b>	Step 5										
	—End—										

---

# Chapter 11—Using the flash boot ROM utility

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## Introduction

This chapter describes how to use the Flash Boot ROM utility to:

- display a list showing the status and version of the Flash Boot ROMs installed in the system and on the Software Delivery (PCMCIA) card (if it is present)
- upgrade the Flash Boot ROM (the Flash Boot ROM is not automatically upgraded when the software is upgraded)
- restore a Flash Boot ROM

## How to use the flash boot ROM utility

### Summary of steps

The steps to follow to perform the Flash Boot ROM functions are summarized in the following list. They consist of:

- Checking to make sure the Software Delivery (PCMCIA) card is installed, if one is provided.
- Invoking the Software Installation program.
- Selecting the Utilities function.
- Selecting Flash Boot ROM utility.
- Selecting the desired Flash Boot ROM option.
- Invoking the selected Flash Boot ROM function

## Using the Flash Boot ROM Utility

The following procedure describes how to use the Flash Boot ROM utility.

### Using Flash Boot ROM Utility

Step	Action						
<b>1</b>	<b>If not previously done, install the PCMCIA card in the socket in the faceplate of the System Core Card.</b>						
	<p><b>Note:</b> This Software Delivery card must be the same one that was used to upgrade this Option 11C. It must not have been used to upgrade a subsequent Option 11C because the Security ID will no longer match and the “undo” function will fail.</p> <p>To install the Software Delivery card:</p> <ul style="list-style-type: none"> <li>• Insert the Software Delivery card in slot A of the PCMCIA socket located in the faceplate of the NTDK20 System Core card. Gently press on the Software Delivery card until it is firmly seated.</li> </ul>						
<b>2</b>	<b>Select the method of invoking the Software Installation Program.</b>						
	<p>There are two methods of invoking the Software Installation Program:</p> <ul style="list-style-type: none"> <li>• By using the UPGRADE command in Overlay 143</li> </ul> <p style="text-align: center;">—or—</p> <ul style="list-style-type: none"> <li>• By pressing the ‘control’ and ‘I’ keys on the keyboard when prompted after the Software Delivery card is installed.</li> </ul>						
	<table border="1"> <thead> <tr> <th>If</th> <th>Do</th> </tr> </thead> <tbody> <tr> <td>you wish to invoke the program using Overlay 143</td> <td>Step 3</td> </tr> <tr> <td>you wish to invoke the program when prompted</td> <td>Step 4</td> </tr> </tbody> </table>	If	Do	you wish to invoke the program using Overlay 143	Step 3	you wish to invoke the program when prompted	Step 4
If	Do						
you wish to invoke the program using Overlay 143	Step 3						
you wish to invoke the program when prompted	Step 4						
	—continued—						

**Using Flash Boot ROM Utility (Continued)**

<b>Step</b>	<b>Action</b>														
<b>3</b>	<b>Invoke the Software Installation Program using Overlay 143.</b>														
	<p><b>Note:</b> Perform this step only when using the Overlay 143 to invoke the Software Installation Program. To invoke the program during a SYSLOAD, skip this step and do Step 4.</p> <p>Login to the system by entering <b>LOGI&lt;cr&gt;</b> then proceed with the following:</p> <p><b>Note:</b> The response to <b>PASS?</b> is unique to each system. The response shown below is an example.</p> <table border="1"> <thead> <tr> <th><b>Prompt</b></th> <th><b>Response</b></th> </tr> </thead> <tbody> <tr> <td>PASS?</td> <td>0000&lt;cr&gt;</td> </tr> <tr> <td>.</td> <td>LD 143&lt;cr&gt;</td> </tr> <tr> <td></td> <td>UPGRADE&lt;cr&gt;</td> </tr> </tbody> </table> <table border="1"> <thead> <tr> <th><b>If</b></th> <th><b>Do</b></th> </tr> </thead> <tbody> <tr> <td>SOFTWARE INSTALLATION PROGRAM message appears</td> <td>Step 5</td> </tr> <tr> <td>SOFTWARE INSTALLATION PROGRAM message does not appear</td> <td>Repeat Step 3 (this step) and make sure correct information is entered</td> </tr> </tbody> </table>	<b>Prompt</b>	<b>Response</b>	PASS?	0000<cr>	.	LD 143<cr>		UPGRADE<cr>	<b>If</b>	<b>Do</b>	SOFTWARE INSTALLATION PROGRAM message appears	Step 5	SOFTWARE INSTALLATION PROGRAM message does not appear	Repeat Step 3 (this step) and make sure correct information is entered
<b>Prompt</b>	<b>Response</b>														
PASS?	0000<cr>														
.	LD 143<cr>														
	UPGRADE<cr>														
<b>If</b>	<b>Do</b>														
SOFTWARE INSTALLATION PROGRAM message appears	Step 5														
SOFTWARE INSTALLATION PROGRAM message does not appear	Repeat Step 3 (this step) and make sure correct information is entered														
<b>4</b>	<b>Invoke the Software Installation Program when prompted.</b>														
	<p><b>Note:</b> Perform this step only when invoking the Software Installation Program when prompted after the Software Delivery card is installed. To invoke the program using Overlay 143, disregard this step and do Step 3 instead.</p> <p>Invoke a system reload (SYSLOAD) by setting the circuit breaker on the front of the power supply in the main cabinet to OFF then to ON.</p> <p><b>Note:</b> When the FIVE SECONDS TO ENTER CONTROL-I TO INVOKE SOFTWARE INSTALLATION PROGRAM message appears a response must be entered within 5 seconds to invoke the Installer Setup Program.</p> <p>During SYSLOAD, the following prompt will appear:</p>														
—continued—															

Using Flash Boot ROM Utility (Continued)

Step	Action	
	<p><b>Prompt</b></p> <p>FIVE SECONDS TO ENTER CONTROL-I TO INVOKE SOFTWARE INSTALLATION PROGRAM</p>	<p><b>Response</b></p> <p>Press and hold 'control' key and press 'I'</p>
<b>5</b>	<b>Select Utilities from the Main Menu.</b>	
	<pre>SOFTWARE INSTALLATION PROGRAM ***** Verify Security ID: 12345678 *****  Software Installation Main Menu 1. New System Installation or Option 11/11E Upgrade - From Software Daughterboard 2. System Upgrade 3. Utilities 4. New System Installation - From Software Delivery Card [q]uit, [h]elp or [?], &lt;cr&gt; - redisplay</pre>	
	<p><b>Prompt</b></p> <p>Enter Selection:</p>	<p><b>Response</b></p> <p>3&lt;cr&gt;</p>
—continued—		

**Using Flash Boot ROM Utility (Continued)**

<b>Step</b>	<b>Action</b>												
<b>6</b>	<b>Select item 7 from the Utilities Menu.</b>												
	Utilities Menu: 1. Restore Backed Up database 2. Archive Customer defined databases 3. Install Archived database 4. Review Upgrade Information 5. Clear Upgrade Information 6. Undo Installation 7. Flash Boot ROM Utilities 8. Current Installation Summary [q]uit, <cr>current menu, [m]ain, [p]revious menu,												
	<table border="1"> <thead> <tr> <th><b>Prompt</b></th> <th><b>Response</b></th> </tr> </thead> <tbody> <tr> <td>Enter Selection:</td> <td><b>7&lt;cr&gt;</b></td> </tr> </tbody> </table>	<b>Prompt</b>	<b>Response</b>	Enter Selection:	<b>7&lt;cr&gt;</b>								
<b>Prompt</b>	<b>Response</b>												
Enter Selection:	<b>7&lt;cr&gt;</b>												
<b>7</b>	<b>Select an option from the Flash Boot ROM Utilities menu.</b>												
	Flash Boot ROM Utilities Menu: 1. List Flash Boot ROM 2. Upgrade Flash Boot ROM 3. Restore Flash Boot ROM [q]uit, <cr>current menu, [m]ain, [p]revious menu,												
	<table border="1"> <thead> <tr> <th><b>Prompt</b></th> <th><b>Response</b></th> </tr> </thead> <tbody> <tr> <td>Enter Selection:</td> <td> <b>1&lt;cr&gt;</b>(List Flash Boot ROM)  <b>2&lt;cr&gt;</b>(Upgrade Flash Boot ROM)  <b>3&lt;cr&gt;</b>(Restore Flash Boot ROM)                             </td> </tr> <tr> <td><b>If</b></td> <td><b>Do</b></td> </tr> <tr> <td>response was <b>1&lt;cr&gt;</b></td> <td>Step 8</td> </tr> <tr> <td>response was <b>2&lt;cr&gt;</b></td> <td>Step 9</td> </tr> <tr> <td>response was <b>3&lt;cr&gt;</b></td> <td>Step 10</td> </tr> </tbody> </table>	<b>Prompt</b>	<b>Response</b>	Enter Selection:	<b>1&lt;cr&gt;</b> (List Flash Boot ROM) <b>2&lt;cr&gt;</b> (Upgrade Flash Boot ROM) <b>3&lt;cr&gt;</b> (Restore Flash Boot ROM)	<b>If</b>	<b>Do</b>	response was <b>1&lt;cr&gt;</b>	Step 8	response was <b>2&lt;cr&gt;</b>	Step 9	response was <b>3&lt;cr&gt;</b>	Step 10
<b>Prompt</b>	<b>Response</b>												
Enter Selection:	<b>1&lt;cr&gt;</b> (List Flash Boot ROM) <b>2&lt;cr&gt;</b> (Upgrade Flash Boot ROM) <b>3&lt;cr&gt;</b> (Restore Flash Boot ROM)												
<b>If</b>	<b>Do</b>												
response was <b>1&lt;cr&gt;</b>	Step 8												
response was <b>2&lt;cr&gt;</b>	Step 9												
response was <b>3&lt;cr&gt;</b>	Step 10												
—continued—													

Using Flash Boot ROM Utility (Continued)

Step	Action
8	<p><b>Review the Flash Boot ROM summary.</b></p>
	<p>The following information is displayed when the 'List Flash Boot ROM' utility is selected in Step 7.</p> <ul style="list-style-type: none"> <li>• the version of the active Flash Boot ROM</li> <li>• the version of the backup Flash Boot ROM (if it exists)</li> <li>• the version of the Flash Boot ROM residing on the Software Delivery (PCMCIA) card (if it exists)</li> </ul>
	<p>The following are four examples of what might be displayed on the screen.</p> <p><b>Note:</b> The NTDK31AA product code used for the Flash Boot ROM in the following examples is for illustration purposes only. The actual code may be different.</p>
	<p><b>Example 1</b>            The Software Delivery Card (PCMCIA) contains a new version of the Flash Boot ROM. There is also an older backed-up version of the Flash Boot ROM.</p> <p>Flash Boot ROM Summary:            Active -- NTDK31AA REL 02 (the version which is active)            Backup -- NTDK31AA REL 01 (the previous active version)            Software Delivery Card -- NTDK31AA REL 03 (a newer version)</p> <p>(Return to Step 7)</p>
	<p><b>Example 2</b>            The Software Delivery Card (PCMCIA) is not installed.</p> <p>Flash Boot ROM Summary:            Active -- NTDK31AA REL 02 (the version which is active)            Backup -- NTDK31AA REL 01 (the previous active version)            Software Delivery Card -- card not installed (Software Delivery not installed)</p> <p>Return to Step 7)</p>
<p>—continued—</p>	

**Using Flash Boot ROM Utility (Continued)**

<b>Step</b>	<b>Action</b>										
	<p><b>Example 3</b> There is no Flash Boot ROM on the Software Delivery Card (PCMCIA).</p> <p>Flash Boot ROM Summary: Active -- NTDK31AA REL 02 (the version which is active) Backup -- NTDK31AA REL 01 (the previous active version) Software Delivery Card -- no Flash Boot ROM on card (no Flash Boot ROM on Software Delivery card)</p> <p>(Return to Step 7)</p>										
	<p><b>Example 4</b> The Software Delivery Card (PCMCIA) has the same version as the current active Flash Boot ROM.</p> <p>Flash Boot ROM Summary: Active -- NTDK31AA REL 03 (the version which is active) Backup -- NTDK31AA REL 02 (the previous active version) Software Delivery Card -- NTDK31AA REL 03 (same version as on Software Delivery)</p> <p>(Return to Step 7)</p>										
<b>9</b>	<b>Perform or terminate Flash Boot ROM upgrade.</b>										
	<p>Upgrading Active Boot ROM to NTDK31AA REL 03</p> <p>System Restart required to activate Flash Boot ROM upgrade.</p> <p>*** WARNING *** A system restart will be invoked as part of the Flash Boot ROM Upgrade.</p>										
	<table border="1"> <thead> <tr> <th><b>Prompt</b></th> <th><b>Response</b></th> </tr> </thead> <tbody> <tr> <td>Are you sure you wish to perform the Flash Boot Upgrade?</td> <td><b>n&lt;cr&gt;</b> (no) <b>y&lt;cr&gt;</b> (yes)</td> </tr> <tr> <td><b>If</b></td> <td><b>Do</b></td> </tr> <tr> <td>response was <b>y&lt;cr&gt;</b></td> <td>— End —</td> </tr> <tr> <td>response was <b>n&lt;cr&gt;</b></td> <td>Step 5</td> </tr> </tbody> </table>	<b>Prompt</b>	<b>Response</b>	Are you sure you wish to perform the Flash Boot Upgrade?	<b>n&lt;cr&gt;</b> (no) <b>y&lt;cr&gt;</b> (yes)	<b>If</b>	<b>Do</b>	response was <b>y&lt;cr&gt;</b>	— End —	response was <b>n&lt;cr&gt;</b>	Step 5
<b>Prompt</b>	<b>Response</b>										
Are you sure you wish to perform the Flash Boot Upgrade?	<b>n&lt;cr&gt;</b> (no) <b>y&lt;cr&gt;</b> (yes)										
<b>If</b>	<b>Do</b>										
response was <b>y&lt;cr&gt;</b>	— End —										
response was <b>n&lt;cr&gt;</b>	Step 5										
	—continued—										

Using Flash Boot ROM Utility (Continued)

Step	Action										
10	<b>Perform or terminate Flash Boot ROM restore.</b>										
<p>Restoring Flash Boot ROM to NTDK31AA REL 01</p> <p>System Restart required to activate restored Flash Boot ROM.</p> <p>*** WARNING *** A system restart will be invoked as part of the Flash Boot ROM Restore.</p>											
<table border="1"> <thead> <tr> <th data-bbox="165 618 866 661">Prompt</th> <th data-bbox="870 618 1115 661">Response</th> </tr> </thead> <tbody> <tr> <td data-bbox="165 666 866 743"> <p>Are you sure you wish to perform the Flash Boot Restore?</p> </td> <td data-bbox="870 666 1115 743"> <p>n&lt;cr&gt; (no) y&lt;cr&gt; (yes)</p> </td> </tr> <tr> <td data-bbox="165 748 866 791"> <p><b>If</b></p> </td> <td data-bbox="870 748 1115 791"> <p><b>Do</b></p> </td> </tr> <tr> <td data-bbox="165 796 866 840"> <p>response was y&lt;cr&gt;</p> </td> <td data-bbox="870 796 1115 840"> <p>— End —</p> </td> </tr> <tr> <td data-bbox="165 845 866 888"> <p>response was n&lt;cr&gt;</p> </td> <td data-bbox="870 845 1115 888"> <p>Step 5</p> </td> </tr> </tbody> </table>		Prompt	Response	<p>Are you sure you wish to perform the Flash Boot Restore?</p>	<p>n&lt;cr&gt; (no) y&lt;cr&gt; (yes)</p>	<p><b>If</b></p>	<p><b>Do</b></p>	<p>response was y&lt;cr&gt;</p>	<p>— End —</p>	<p>response was n&lt;cr&gt;</p>	<p>Step 5</p>
Prompt	Response										
<p>Are you sure you wish to perform the Flash Boot Restore?</p>	<p>n&lt;cr&gt; (no) y&lt;cr&gt; (yes)</p>										
<p><b>If</b></p>	<p><b>Do</b></p>										
<p>response was y&lt;cr&gt;</p>	<p>— End —</p>										
<p>response was n&lt;cr&gt;</p>	<p>Step 5</p>										
<p style="text-align: center;">—End—</p>											

Meridian 1

## **Option 11C**

### Software Installation Program Guide

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