

Installer's Checklist



P0942435 –v10

NOTE: This document is pertinent for CS 1000S; CS 1000M Cabinet/Chassis; and Meridian 1 Option 11C Cabinet/Chassis systems.

The **Generic X21 Release 3.00** software provided for the above named systems **now includes the Release 3.0 Dependency List Paks, dated March 4, 2005 as manufactured installed PEPs.**

Please refer to the Product Bulletin posted to the PIC and Software downloads webpage for details – **P-2005-0064-Global**. It is also important to refer to the **Release 3.0 General Release Bulletin** for other PEP requirements.

Please also note that included with the updated versions shown below is a BootRom Code update (NTDK34FA_r11) which is required for the compatibility of the **New** blank software daughterboard – NTKK25CA. The previous versions of software will not be compatible with the NTKK25CA unless the NTDK20JA SSC Card is being used or the BootRom Code has been updated via Software PCMCIA Card per bulletin details. **Refer to Product Bulletin P 2004-0318 Global, Rev.2.**

The updated firmware will be identified by a new PSWV number (in the ISSP printout) noted in the table below.

The pre-programmed software daughterboard code and versions for X21 Release 3.0 can be identified as follows:

Applicable Market	Communication Server 1000S (CS 1000S)	Media Gateway 1000B (Branch Office -Global)	Communication Server 1000M Cabinet/Chassis and Meridian 1 Option 11C Cabinet/Chassis
North America / CALA regions	NTM400AD R18 / PSWV 90	NTMP50AD R20 / PSWV 90	NTSK01AA R15 / PSWV 90
Asia Pacific / EMEA regions	NTM410AD R18 / PSWV 90	NTMP50AD R20 / PSWV 90	NTSK40AA R17 / PSWV 90
DSN / DSN Int'l	N/A	N/A	NTSK14AF R10 / PSWV 89

The software version can be identified by the Product Issue of the pre-programmed software daughterboard or PCMCIA card. Product Issue may be determined by locating the label identifying the product code (i.e. NTM400Ax; NTSK01Ax) on either the software box (REL#) or on the software daughterboard or PCMCIA label. The pre-programmed PCMCIA card is identified with the letter B (ie. NTM400BD; NTSK01BA). The Product Issue is the two digit number immediately following the product code (ie. NTM400AD 14; NTSK01AA 13).

The following installation guides from the NTP suite (Succession Meridian Nortel Networks Software WEB Site Reference Library (SMERL) -NTLH91AA) will be helpful to complete your installation:

Succession 1000 Documentation

Succession 1000: Installation and Configuration	553-3031-210
Succession 1000 Upgrade Procedures	553-3031-258

Small System Documentation

Small System: Installation and Configuration	553-3011-210
Small System Upgrade Procedures	553-3011-258

System Controller Card and Software Daughterboard Requirements:

CAUTION

Ensure that the NTDK20 SSC card is on a **FLAT** surface before installing the Software Daughterboard and Security Device. **DAMAGE MAY RESULT if this is done with the card still in the box!**

- Set the baud rate for Port 0 of the SSC card, using the dip switch on the SSC card faceplate. **Port 0 is the only SDI port that can be used for software installations and upgrades.**
- After successful install of the system, make sure that Port 0 of SSC card is configured as a Maintenance Terminal/TTY. This is required for future software upgrades.

Note: Please ensure that you have upgraded the BootRom code first before starting any upgrade, this will allow the system software to recognize the Software Daughterboard. The bootcode is backwards compatible. As standard practice always upgrade to the latest bootcode Refer to NTP Upgrades Guide - Use the flash boot ROM utility.

Communication Server 1000S Systems

The supported System Controller card for CS 1000S systems on Release 3.0:

- NTDK20EA or higher Small System Controller (SSC). This requirement applies to both the Call Server and Media Gateway. The SSC card in the Media Gateway can be either NTDK20EA/FA or NTDK20GA/HA/JA, but the NTDK20GA/HA/JA provides benefits in the LAN connectivity.

The Call Server requires a 48Mb Total Memory (32 Mb Program Store and 16 MB C-Drive space) in order to run Release 3.0 Software. This requirement is met with the NTKK25AA or higher Software Daughterboard. New orders will receive the new NTKK25CA blank software daughterboard.

Media Gateway 1000B (Branch Office Systems)

The supported System Controller card for MG 1000B (Branch Office) systems:

- NTDK20EA or higher Small System Controller (SSC)

The NTKK25AA/BA/CA blank software daughterboard is also applicable to Branch Office systems. New orders will receive the new NTKK25CA blank software daughterboard.

Meridian 1 Option 11C Cabinet, CS 1000M Cabinet Systems

The supported System Controller card for Option 11C:

- NTDK20CA or higher Small System Controller (SSC)
- NTDK20EA or higher Small System Controller (SSC) for Option 11C main cabinet when using IP Expansion and NTDK20CA or higher for each Expansion cabinet.(Release 25.30 or later)

The Option 11C Cabinet requires a 48Mb Total Memory (32 Mb Program Store and 16 Mb C-Drive space) in order to run Release 3.0 Software. This requirement is met with the NTKK25AA/BA/CA blank Software Daughterboards. New orders will receive the new NTKK25CA software daughterboard.

A system upgrading to Release 3.0 must replace its NTDK21 (32 Mb) or NTDK81 (40 Mb) based software daughterboard, with a NTKK13AA or NTKK25AA/BA/CA (min. 48 Mb) daughterboard.

The NTKK13AA software daughterboard is also supported with Release 3.0.

Option 11C Chassis, CS 1000M Chassis Systems

The Option 11C Mini System Controller Pack (MSC) was discontinued with the introduction of Release 3.00 and replaced by the Option 11C Small System Controller Card (SSC) and software daughterboard in the Chassis configuration. The Option 11C Chassis Basic Hardware Package will now include an SSC card. The MSC in existing systems is still supported for software upgrades to X21 Release 3.00

The supported System Controller cards for Option 11C Chassis systems on Release 3.0:

- NTDK97AB or higher (48 Meg - no memory upgrade needed) Mini System Controller (MSC)
- NTDK20EA or higher Small System Controller (SSC) for Option 11C Mini main and IPExpansion chassis when using IP Expansion.

Software Daughter Board Requirements are the same as the Option 11C Cabinet.

Software Delivery for all above systems:

- Software daughterboard for new systems (or upgrades)
- PCMCIA card for upgrades – **Release 3.0 Software REQUIRES A MINIMUM 48MB PCMCIA CARD**
- Nortel Networks Software WEB Site

IMPORTANT: NEW Version of the PCMCIA Card Programmer Tool required for 64MB Compact Flash Cards and PC's using Windows 2000

The updated Card Programmer Tool **Version 09** is required for PC's on Windows 2000 operating systems and when using the 64MB PCMCIA Cards. The tool and instructions can be found on the Software Downloads website under the Succession Enterprise product mapping. It is important to uninstall any previous versions of the Card Pro Tool before installing a new version. Please refer to the Product Bulletin published on the Partner Information Center (PIC) for more details.

INSTALLATION MENU - Please refer to the Summary of Steps on how to install software in a new system from the Installation and Configuration Guide.

If installing Release 3.0 using a Pre-programmed Software Daughterboard, select menu Option 1 for a new installation. (New Install – From Software Daughterboard).

If installing using a Software PCMCIA card, select menu Option 4 (New system installation – from Software Delivery Card).

"Basic Configuration" database option includes the following items: Directory, Configuration Record, XPECs blocks, Superloops blocks, Patch, Physical Dump Record, IMS TN Table, IMS Links No, Table, Asynch Blocks, CSL Blocks, VAS Blocks, Background TTY Blocks, Background Port ID Blocks, Aries Data Block, SYS PARAMS Block, LAPW Blocks. For a more extensive default data block, please choose "Pre-Configured Data".

"Pre-Configured database" This option includes preprogrammed data for trunk routes, SDI ports, default numbering plan and more. For detailed information on preprogrammed data, please refer to Installation and Configuration Guide.

KEYCODES: The data you need to enter in the INSTALL MENU is provided on the Keycode Datasheet.

Customer Value Software Delivery (CVSD) is a Global Commercial Offer / Global Software Structure introduced on Succession 3.0 to simplify Enterprise Business Networks operation and business processes in order to make it easier to do business. All new Succession 3.0 systems and all upgrades to Succession 3.0 will ship with the CVSD structure. Succession 3.0 provides 5 Service Levels (feature sets) namely: Business Services; Enhanced Business Services; Advanced Call Center Services; Advanced Networking Services; and Premium Services.

It is important to follow the information and ISM values as provided on the keycode sheet. Please note the ISM default changes when upgrading to Release 3.0 software.

If the keycodes are unsuccessful, check the following:

-Software Release, Service Level (feature set) and any additional packages, all ISM parameters, Security ID, Auxiliary ID (the old site ID, if this is a system upgrade), and ensure the correct keycodes were entered. All items must match the keycode sheet exactly.

If they still are not successful, please call your Service Representative.

SOFTWARE DOWNLOAD Website

The following General Release files can be downloaded from the Nortel Networks Software Downloads website:

<u>Application</u>	<u>Version</u>
• Call Server Software (Core)	3.00
• Signaling Server	2.10.81 – Up-issued to 2.11.03
• IP Line Application	3.10.81
• IP Telephone f/w	1.59 for i2004 / i2002
• 8051 XAController f/w on Media Cards	6.7 for SMC card /5.7 for ITG-P card
• i2050 software telephone	v 346

Follow these steps to access the Communication Server Release 3.0 core software applicable for your system. Refer to the General Release Bulletin for further details on other applicable software.

1. Access the www.nortel.com web site.
2. Under the “**Support and Training**” banner, Choose “**Software Downloads**”
3. Select Product Family “**Communication Servers**”
4. Select “**Enterprise Communication Servers**” from the list of products
5. Then make the appropriate selection depending on your system type:
 - **Succession 1000**
Now known as: Communication Server 1000S also find the **Media Gateway 1000B – Branch Office** here;
 - **Succession 1000M Cabinet/Chassis**
Now known as: Communication Server 1000M Cabinet/Chassis (& M1 Option 11C Cabinet/Chassis)
6. Select the **Software** link and click on the applicable file required.

The Software file will identify the software names according to System; Region, and Release of software. [Option 11C -N.America/CALA - Rls 3.00 Software](#)

Note: DSN Software is not available for download on Nortel's Software website. The software media must be ordered for software upgrades.