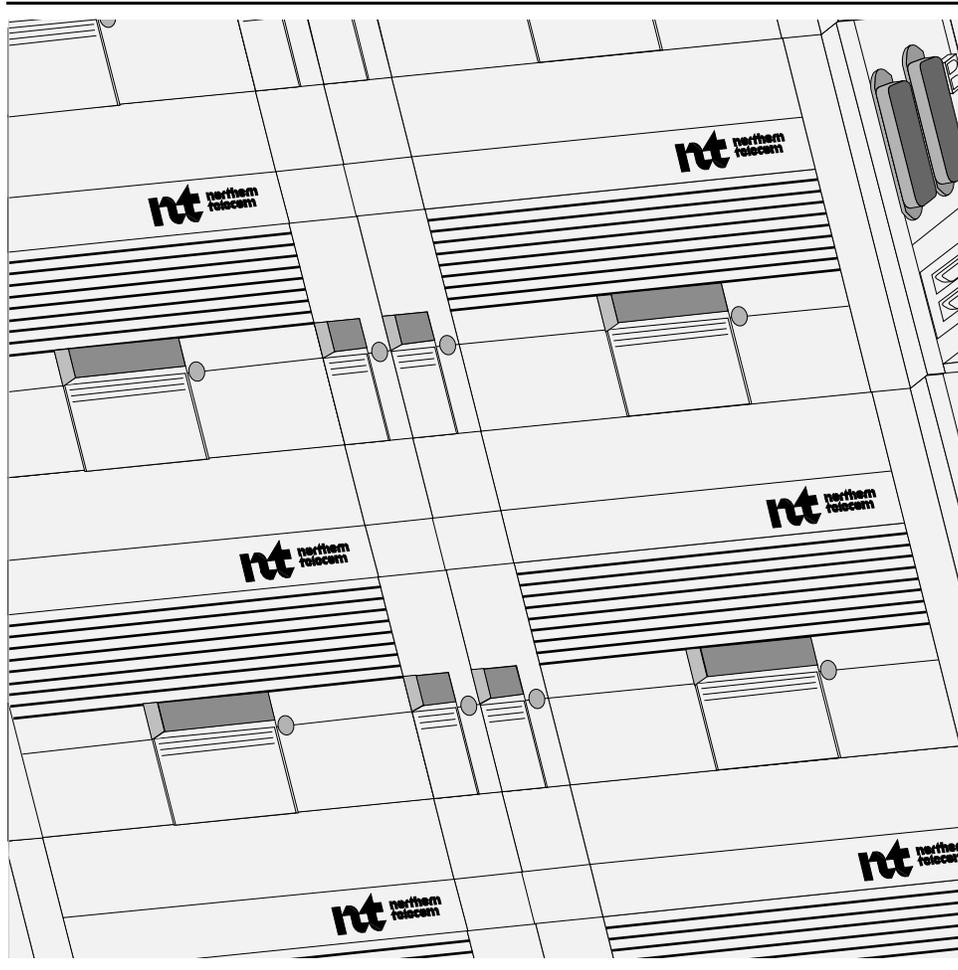SONET Products

AccessNode

About the AccessNode Library

Issue 4.0   October 1999

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AccessNode

About the AccessNode Library

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AN17.20 Issue 4.0 release of the document.

Note: AN17.20 changes to this document are marked by black change bars in the left margin of each page.

August 1999

AN17.11 Issue 3.0 release of the document.

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AN17 Issue 2.0 release of the document.

February 1999

AN16 Issue 1.0 release of the document.

June 1998

AN15 Standard 01.01 release of the document.

September 1997

AN14 Standard 01.01 release of the document.

July 1996

AN12 Standard 01.01 release of the document.

November 1995

AN11 Standard 02.01 release of the document.

April 1995

AN10 Standard release of the document.

December 1994

AN08 Standard release of the document.

November 1994

Reissue of the AN07 Standard release of the document.

April 1994

AN07 Standard release of the document.

May 1993

FWP06 Standard release of the document.

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Contents

AccessNode library

This chapter describes the documentation in the AccessNode and AccessNode Express libraries, and lists the contents of all the volumes and related documents in the library.

For ordering information on AccessNode documents, refer to *Engineering and Ordering Information*, 323-3001-032, in *Engineering, Configuration, and Ordering*, Volume 1.

Chapter contents

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Web delivery

AccessNode documentation is now available on the worldwide web in an easy to use format. Contact your regional Nortel Networks representative for more information.

CD-ROMs

The following CD-ROMs are available:

NTP number	Document title	Order number
–	*CD-ROM* (PDF files, multimedia interface) -- contains AN, ANX, and UE9000 documents	NT4K00LP/A0778318
–	*CD-ROM* (PDF files, Helmsman interface) -- contains AN, ANX, and UE9000 documents	NT4K00LR/A0778742
–	*ANX 24L/48L Installation CD-ROM*	NT4K00LT/A0779810

Printed documentation

The issue of a document is indicated by the issue number. The issue number is a two-digit number separated by a decimal; for example, 1.0.

A major change is indicated by an increment in the first digit. A minor change is indicated by an increment in the second digit.

For example, the issue of a document is at 1.0. If a major change is incorporated, the issue number of the document changes to 2.0. If a minor change is incorporated, the issue number of the document changes to 1.1.

AccessNode library, NT4K00LA

The AccessNode library includes five volumes. Other documents are available separately. The following sections contain short descriptions of the volumes and the other documents. The AccessNode library can also be ordered using the CPC A0778314.

Engineering, Configuration, and Ordering Guide, Volume 1

The *Engineering, Configuration, and Ordering Guide* provides engineers and product evaluators with information about how to engineer, order, and configure AccessNode equipment. The guide contains information about new installations as well as upgrading existing systems. It also includes information about traffic engineering, installation planning, and performance specifications.

Note: Volume 1 is part of the AccessNode library and is shipped when NT4K00LA is ordered. Volume 1 can be ordered separately using the CPC P0904223.

The *Engineering, Configuration, and Ordering Guide* comes in one binder, containing the following documents in the sequence shown.

NTP number	Document title	Issue
323-3001-030	*About the AccessNode Library*	4.0
323-3001-032	*Engineering and Ordering Information*	3.0
323-3001-154	*Mapper Layouts Planning Guide*	3.0
323-3001-155	*Line Card Application and Special Services Engineering*	3.0
323-3001-200	*Site Installation Planning and Engineering*	2.0

Description, Volume 2

The *Description* volume is for strategic planners, provisioners, engineers, and network administrators. It describes the types of AccessNode systems that are available, as well as configurations, equipment, modular layout, features, and services. It provides brief descriptions of the system topologies and the software used by AccessNode.

Note: Volume 2 is part of the AccessNode library and is shipped when NT4K00LA is ordered. Volume 2 can be ordered separately using the CPC P0904231.

The *Description* volume comes in two binders, Volume 2A and Volume 2B. The volume consists of the following documents in the sequence shown.

NTP number	Document title	Issue
Volume 2A		
323-3001-100	*Configuration and Equipment Description*	3.0
323-3001-102	*Signal Flow and Circuit Pack Description*	2.0
323-3001-103	*Protection Switching Description*	2.0
323-3001-104	*Alarms and Surveillance Description*	2.0
323-3001-105	*Performance Monitoring Description*	1.0
Volume 2B		
323-3001-115	*Line and Loop Testing Overview*	3.0
323-3001-180	*System Specifications*	1.0
323-3001-181	*Line Card Specifications*	3.0

- *Features and Services Description*, 323-3001-101, has been replaced by the *AccessNode Application and Feature Overview.*

Commissioning and Testing, Volume 3

The *Commissioning and Testing* volume contains the information needed to test and commission each network element, to connect the tested network elements into the required system configuration, and to perform system tests.

Note: Volume 3 is part of the AccessNode library and is shipped when NT4K00LA is ordered. Volume 3 can be ordered separately using the CPC P0904232.

The *Commissioning and Testing* volume is divided into two binders. The first binder contains four separately bound documents that contain the procedures for setting up your system based on system type. The second binder contains the remainder of Volume 3.

NTP number	Document title	Order Number	Issue
Volume 3A			
323-3001-230	*Setting Up Your System: VTBM*	P0906796	2.0
323-3001-235	*Setting Up Your System: DFA*	P0906797	3.0
323-3001-240	*Setting Up Your System: Point-to-Point*	P0906798	3.0
323-3001-245	*Setting Up Your System: Single-Ended*	P0906799	2.0
Volume 3B			
323-3001-220	*Optional Commissioning Procedures*	–	2.0
323-3001-221	*Site Testing Procedures*	–	2.0
323-3001-222	*System Testing Procedures*	–	1.0
323-3001-223	*Line Test Interface Commissioning Procedures*	–	2.0
323-3001-225	*DS1 Feeder Testing Procedures*	–	2.0

Operations, Administration, and Provisioning, **Volume 4**

The *Operations, Administration, and Provisioning* volume contains the operations, administration, and provisioning tasks that can be performed from the operations controller (OPC) user interface, and from the network element (NE) user interface. This volume also includes system-expansion information.

Note: Volume 4 is part of the AccessNode library and is shipped when NT4K00LA is ordered. Volume 4 can be ordered separately using the CPC P0904233.

The *Operations, Administration, and Provisioning* volume comes in three binders, Volume 4A, Volume 4B, and Volume 4C. The volume consists of the following documents in the sequence shown.

NTP number	Document title	Order number	Issue
Volume 4A			
323-3001-300	*Network Element User Interface Description*	–	2.0
323-3001-301	*OPC User Interface Description*	–	4.0
323-3001-302	*System Administration Procedures*	–	4.0
323-3001-304	*Data Administration Procedures*	–	1.0
Volume 4B			
323-3001-310	*Provisioning and Operations Procedures*	–	2.0
323-3001-311	*Protection Switching Procedures*	–	2.0
323-3001-315	*Line Card Provisioning Procedures*	–	3.0
323-3001-316	*Line Card Testing Procedures*	–	3.0
Volume 4C			
323-3001-324	*System Expansion Procedures*	P0904347	2.0
–	*Span of Control Consolidation*	P0887941	1.0
–	*Addition of AN Nodes in a VTBM Ring*	P0887942	1.0
–	*Removal of AN Nodes in a VTBM Ring*	P0887943	1.0

Maintenance, Volume 5

The *Maintenance* volume contains the maintenance tasks that can be performed from the operations controller (OPC) user interface and from the network element (NE) user interface. The volume includes trouble-clearing, recovery, and maintenance procedures.

Note: Volume 5 is part of the AccessNode library and is shipped when NT4K00LA is ordered. Volume 5 can be ordered separately using the CPC P0904236.

The *Maintenance* volume comes in three binders, Volume 5A, Volume 5B, and Volume 5C. The volume consists of the following documents in the sequence shown.

NTP number	Document title	Issue
Volume 5A		
323-3001-543	*Alarm and Trouble Clearing Procedures*	3.0
Volume 5B		
323-3001-840	*Log Report Manual*	3.0
Volume 5C		
323-3001-510	*Network Surveillance Procedures*	1.0
323-3001-520	*Performance Monitoring Procedures*	2.0
323-3001-545	*Recovery Procedures*	1.0
323-3001-546	*Routine Maintenance Procedures*	2.0
323-3001-547	*Module Replacement Procedures*	3.0
323-3001-548	*Circuit Testing from the OPC User Interface*	1.0

Separate documents in the AccessNode library

In addition to the volumes, additional documents are included in the AccessNode library and are shipped with the AccessNode suite.

Some documents are ordered based on your configuration. These documents provide network planners, engineers, and installers with information on how to install AccessNode equipment and enclosures.

Separately bound documents that ship with the AccessNode suite

NTP number	Document title	Order number	Issue
323-3001-002	*Master Index*	P0904238	2.0
323-3001-152	*Traffic and Bandwidth Engineering Information* (engineering tool software is on the Helmsman CD-ROM)	P0904247	1.0
323-3001-190	*TL1 Interface Description*	P0904250	1.0
323-3001-201	*Bay in Central Office Installation Manual—ABM*	P0911128	1.0
323-3001-202	*Bay in Central Office Installation Manual—TBM*	P0887754	2.0
323-3001-850	*List of Terms*	P0904251	1.0
–	*ABM Bay Cable Connection Quick Reference Guide*	P0887749	1.0
–	*Provisioning Quick Reference Guide*	P0887750	1.0
–	*Group and Slot Quick Reference Card*	P0887751	1.0
–	*Technical Support Quick Reference Card*	P0887752	1.0
–	*TL1 at the Command Line Quick Reference Guide*	P0904352	1.0
–	*AccessNode Incremental Software Delivery Quick Reference Card*	P0904353	1.0
–	*Install/Replace Digital Test Access Pair Quick Reference Card*	P0904831	2.0
–	*TL1 Enhanced Security Quick Reference Guide*	P0909010	1.0
–	*AccessNode Process Overview*	P0911072	1.0

AccessNode separately bound documents ordered based on configuration

NTP number	Document title	Order number	Issue
Modular Business Package documentation			
323-3001-110	*Modular Business Package Description*	P0887756	1.0
Addendum 1 to 323-3001-200	*MBP Site Installation Planning and Engineering*	P0911127	1.0
323-3001-206	*Modular Business Package Cabinet Installation Manual*	P0887757	1.0
–	*MBP VTBM Ring Installation Guide*	P0887758	1.0
–	*MBP VTBM Ring User Guide*	P0904244	1.0
Series 800A Outside Plant Cabinet documentation			
323-3001-118	*Series 800A Outside Plant Cabinet Description*	P0887760	1.0
323-3001-210	*Series 800A Outside Plant Cabinet Installation Manual*	P0887761	1.0
Modular Cabinet documentation			
323-3001-119	*Modular Cabinet Description*	P0887762	1.0
323-3001-211	*Modular Cabinet Installation Guide*	P0887763	2.0
Other documentation			
–	*Quick Reference Guide*	NT4K00KG/A0746248	1.0
–	*AN17 Planning Guide*	NTR410LA/A0778676	1.0
–	*AccessNode Multiple ABMs in a Bay (NT4K03CA) Quick Reference Card*	P0891391	1.0
–	*MCOT to ABM Commissioning Quick Reference Guide*	P0903573	1.0
–	*AN2016 User Guide*	P0905277	1.0

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NTP number	Document title	Order number	Issue
–	*Step-In Cabinet User Guide*	P0905278	1.0
–	*Nodal Connection Manager Quick Reference Guide*	P0905495	1.0
–	*Mix and Match DFA Reconfiguration Quick Reference Guide*	P0911073	1.0

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Note: The *Data Direct User Guide* has been discontinued.

AccessNode Express library, NT4K00LH

The AccessNode Express library contains the *AccessNode Express* volume (one binder). Other documents are available separately.

> *Note:* The AccessNode Express library can also be ordered using the CPC A0778681.

AccessNode Express volume

The *AccessNode Express* volume consists of the following documents in the sequence shown.

NTP number	Document title	Order number	Issue
323-3001-030	*About the AccessNode Library*		2.0
323-3051-032	*AccessNode Express Customer Ordering Guide*	P0904254	3.0
323-3051-100	*AccessNode Express Configuration and Equipment Description*		3.0
323-3051-220	*AccessNode Express Commissioning and OAM&P*		3.0
323-3001-850	*List of Terms*	P0904251	1.0

The following documents have been moved:

• *AccessNode Express List of Terms,* 323-3051-850 has been replaced with the *List of Terms*, 323-3001-850.

Separate documents in the AccessNode Express library

In addition to the volume, additional documents are included in the AccessNode Express library and are shipped with the AccessNode Express suite.

Some documents are ordered based on your configuration. These documents provide network planners, engineers, and installers with information on how to install AccessNode equipment and enclosures.

Separately bound documents that ship with the AccessNode Express suite

NTP number	Document title	Order number	Issue
323-3051-210	*AccessNode Express Installation Guide*	P0904252	2.0
323-3051-211	*AccessNode Express Maintenance Guide*	P0904253	2.0
323-3051-312	*AccessNode Express TL1 User Guide*	P0904262	2.0
323-3051-543	*AccessNode Express Alarm and Trouble Clearing Procedures*	P0904266	1.0
–	*AccessNode Express Voice Module Quick Reference Card*	P0887774	1.0
–	*AccessNode Express Grounding Procedure Quick Reference Card*	P0887776	1.0
–	*AccessNode Express SONET CX Installation Quick Reference Card*	P0889655	1.0
–	*AccessNode Express PC Access Assist User Guide*	P0904255	3.0
–	*AccessNode Express Commissioning Quick Reference Guide*	P0904267	2.0
–	*Fractional T1 Quick Reference Guide*	P0904350	2.0
–	*TL1 at the Command Line Quick Reference Guide*	P0904352	1.0
–	*OC-1 Fed ANX to OC-3 Express Commissioning Quick Reference Guide*	P0906843	2.0
–	*AccessNode Express Process Overview*	P0911075	1.0
–	*AccessNode Express Integrated TBF and ITBP Installation Quick Reference Card*	P0911133	1.0
–	*AccessNode Express Auxiliary Bracket/Shelf Quick Reference Card*	P0911134	1.0

AccessNode Express separately bound documents ordered based on configuration

NTP number	Document title	Order number	Issue
AccessNode Express Modular Cabinet documentation			
–	*AccessNode Express Modular Cabinet Installation Guide*	P0911131	1.0
323-3051-118	*AccessNode Express Modular Cabinet Description*	P0887772	1.0
AccessNode Express HDSL documentation			
–	*Reconfiguration from DS1 to HDSL Feeder*	P0888972	1.0
–	*AccessNode Express HDSL Installation and Reference Guide*	P0904259	1.0
AccessNode Express 24-Line Cabinet documentation			
–	*AccessNode Express 24-Line Cabinet Installation Guide*	P0911130	1.0
–	*AccessNode Express 24-line Enclosure Installation Quick Reference Card*	P0911132	1.0
–	*AccessNode Express (ANX-24L for CPE/CPL) Grounding Quick Reference Card*	P0889658	1.0

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NTP number	Document title	Order number	Issue
AccessNode Express 1-Meg Modem documentation			
–	*AccessNode Express 1-Meg Modem Reference and Troubleshooting Guide*	P0905280	1.0
–	*AccessNode Express Commissioning 1-Meg Modem Service Quick Reference Card*	P0905281	1.0
–	*AccessNode Express Installing 1-Meg Modem Service Using PC Access Assist Quick Reference Card*	P0905282	1.0
–	*AccessNode Express Installing the 1-Meg-Modem Loop Extender Quick Reference Card*	P0905283	1.0
Other documentation			
323-3051-240	*AccessNode Express 100 Cabinet User Guide*	NT4A67AA/ A0747963	1.02
–	*AccessNode Express Mini-Cabinet User Guide*	NTN565AA/ A0747964	1.0
–	*AccessNode Express Point-to-Multipoint Reunion User Guide*	NTN565BA/ A0747965	1.01
–	*Reconfiguration from CServer to HDT*	P0887944	1.0
–	*AccessNode Express D4 Channel Bank Quick Reference Card*	P0911077	1.0

—end—

Note: The *AccessNode Express Data Module User Guide*, NT4K00KJ/A0746249 has been discontinued.

UE9000 library, NTNP00AA

The following documents are included in the UE9000 library. The order number is shown for each document.

• The UE9000 library can be ordered using the CPC A0778313.

UE9000 documents

NTP number	Document title	Order number	Issue
UE9000 User Guides			
–	*UE9000 Data OAM&P Guide*	P0902804	2.0
–	*UE9000 Voice OAM&P User Guide*	P0902809	2.0
–	*UE9000 Customer Ordering Guide*	P0907599	3.0
UE9000 Quick Reference Guides			
–	*UE9000 LED Quick Reference Guide*	P0902805	1.0
–	*UE9000 System Setup Quick Reference Guide*	P0902806	1.0
–	*UE9000 Installation Quick Reference Guide*	P0902807	2.0
–	*UE9000 Pre-installation Quick Reference Guide*	P0902808	2.0
–	*UE9000 Adjacent Bay Installation Quick Reference Guide*	P0903857	2.0
–	*UE9000 Data System Setup Quick Reference*	P0908899	2.0
–	*UE9000 Data Network Design Guidelines*	P0908903	1.0

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