NORTEL

Nortel Communication Server 1000

Office Data Administration System Fundamentals

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New in this release

The following sections detail what's new in *Office Data Administration System Fundamentals* (NN43001-552) for Communications Server 1000 Release 5.5.

- "Features" (page 5)

- "Other" (page 5)

Features

This release contains no new features.

Other
Revision history
January 2009
Standard 02.02. This document is up-issued to update the Service activity date section in the Communication Server 1000 Release 5.5.

December 2007
Standard 02.01. This document is up-issued for Communication Server 1000 Release 5.5.

Introduction

This document is a global document. Contact your system supplier or your Nortel representative to verify that the hardware and software described are supported in your area.

Subject

This document describes the features, programs, and engineering requirements of Office Data Administration System (ODAS). ODAS enables record keeping for telephones and attendant consoles.

Note on legacy products and releases

This NTP contains information about systems, components, and features that are compatible with Nortel Communication Server 1000 Release 5.5 software. For more information on legacy products and releases, click the **Technical Documentation** link under **Support & Training** on the Nortel home page:

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Applicable systems

This document applies to the following systems:

- Communication Server 1000E (CS 1000E) CP PII, CP PIV and CP PM.

- Communication Server 1000M Single Group (CS 1000M SG) CP PII, CP PIV

- Communication Server 1000M Multi Group (CS 1000M MG) CP PII, CP PIV

- Meridian 1 PBX 11C Chassis

- Meridian 1 PBX 11C Cabinet

- Meridian 1 PBX 61C CP PII, CP PIV

- Meridian 1 PBX 81C CP PII, CP PIV

  Note: When upgrading software, memory upgrades may be required on the Signaling Server, the Call Server, or both.

System migration

When particular Meridian 1systems are upgraded to run CS 1000 software and configured to include a Signaling Server, they become CS 1000 systems. Table 1 "Meridian 1 systems to CS 1000 systems" (page 8) lists each Meridian 1 system that supports an upgrade path to a CS 1000 system.

Table 1
Meridian 1 systems to CS 1000 systems

This Meridian 1 system...	Maps to this CS 1000 system
Meridian 1 PBX 11C Chassis	CS 1000E
Meridian 1 PBX 11C Cabinet	CS 1000E
Meridian 1 PBX 61C	CS 1000MSingle Group
Meridian 1 PBX 81C	CS 1000MMulti Group

For more information, see one or more of the following NTPs:

- *Communication Server 1000M and Meridian 1 Small System Software Upgrade (NN43011-459)*

- *CS 1000M and Meridian 1 Large System Upgrades Overview (NN43021-458)*

- *Communication Server 1000E Upgrades (NN43041-458)*

Intended audience

This document is intended for individuals responsible for configuring the Office Data Administration System.

Conventions

Terminology

In this document, the following systems are referred to generically as "system":

- Communication Server 1000M (CS 1000M)

- Communication Server 1000E (CS 1000E)

- Meridian 1

The following systems are referred to generically as "Small System":

- Meridian 1 PBX 11C Chassis

- Meridian 1 PBX 11C Cabinet

The following systems are referred to generically as "Large System":

- Communication Server 1000M Single Group (CS 1000M SG)

- Communication Server 1000M Multi Group (CS 1000M MG)

- Meridian 1 PBX 61CCP PII, CP IV

- Meridian 1 PBX 81CCP PII, CP IV

Related information

This section lists information sources that relate to this document.

NTPs

The following NTPs are referenced in this document:

- *Software Input Output Administration (NN43001-611)*

- *Communication Server 1000M and Meridian 1 Large System Planning and Engineering (NN43021-220)*

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- download software and related tools

- download technical documents, release notes, and product bulletins

- sign up for automatic notification of new software and documentation

- search the Support Web site and Nortel Knowledge Base

- open and manage technical support cases

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Outside North America, go to the Web site below and look up the phone number that applies in your region:

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When you speak to the phone agent, you can reference an Express Routing Code (ERC) to more quickly route your call to the appropriate support specialist. To locate the ERC for your product or service, go to:

www.nortel.com/erc

Getting Help through a Nortel distributor or reseller

If you purchased a service contract for your Nortel product from a distributor or authorized reseller, you can contact the technical support staff for that distributor or reseller.

Description

Contents

This section contains information on the following topics:

Introduction

Office Data Administration System (ODAS) is an optional software package. This feature assists in keeping records of information regarding telephones and attendant consoles.

ODAS allows you to perform the following functions:

- assign a one-to-six-character alphanumeric station line designator (DES)

- insert the date of all service change activity on the Terminal Number (TN)

- print individual items on individual pages, including system and customer numbers, and a title for each page

- list or count all stations by telephone type, feature type, or both
- list Multiple Appearance Directory Numbers (MADN)
- list hunting patterns for individual Directory Numbers (DN)
- list telephones in alphanumerical order according to DESs
- enter or change DESs at an accelerated rate

The following sections describe these features in more detail.

Station line designator

The station line designator (DES) is a one-to-six-character alphanumeric code assigned to individual telephones through overlay programs.

You can use the DES to do the following:

- identify telephones according to a system of numbering and naming that is meaningful to you or the Optivity Telephony Manager (OTM)
- get telephone data block printouts without the need to enter the TN or the DN

You must respond to the DES field when you use LDs 10 and 11 to install telephones. You must respond to the DES field in LD 27 when you install a Digital Subscriber Loop (DSL) data block.

Service activity date

The service activity (ACT) date indicates the last date a service change was performed on a particular TN. The system automatically enters and updates the ACT date whenever a service change is made. You can use ODAS print programs to print information according to a particular ACT date.

Enhancements to non-ODAS overlay programs

The ACT date is automatically updated to the present system date for analog (500/2500-type) telephones (LD 10), Meridian 1 proprietary telephones (LD 11), attendant consoles (LD 12), Digitone receivers (LD 13), and trunk data blocks (LD 14) whenever a service change is made to the individual TN. It is also updated whenever the ACT date is reset to the present system date through a print program. LD 20 includes prompts for station DES, ACT DATE, and PAGE control. LD 22 includes prompts for ACT date, PAGE control, and reset ACT date. LD 10 and LD 11 include the insertion of a station DES. See *Software Input Output Administration (NN43001-611)* for complete information.

Selectable page control

Selectable page control permits individual printouts for each page on standard 11-in. (280-mm) fanfold paper. Each page contains information about the individual item. The printout includes the system and customer numbers as well as the printout title. The customer number appears when requested at the CUST prompt.

ODAS overlay programs

Features print program (LD 81)

The features print program provides a list or count of the number of telephones in your system. The system may be prompted to supply the information based on one or more of the following:

- telephone type

- feature type

- telephone and feature type

- a single customer or a range of customers

- a predetermined ACT date

- DES

This program also includes selectable page control and ACT date resetting capabilities.

Multiple appearance and hunt chain print (LD 82)

The multiple appearance and hunt chain print program provides a printout of stations with multiple appearance DNs, single appearance DNs appearing on telephones with multiple appearance DNs, and hunting patterns. The system can be prompted to supply the information based on one or more of the following:

- a single DN or a range of DNs

- a single customer or a range of customers

- a predetermined ACT date

- DES

This program also includes selectable page control and ACT date resetting capabilities.

Designator sort print (LD 83)

The designator sort print program produces a printout of TNs in DES order. The system can be prompted to supply the information based on the following:

- single line listing of TNs in DES order or a detailed TN print in DES order

- a single customer or a range of customers

This program also includes selectable page control and ACT date resetting capabilities.

Designator entry program (LD 84 and LD 85)

The designator entry program permits entering or changing a DES on analog (500/2500-type) telephones (LD 84) and Meridian 1 proprietary telephones (LD 85) at an accelerated rate. These programs perform an easy change similar to those in LDs 10 and 11. See *Software Input Output Administration (NN43001-611)* for complete information.

Call Party Name Display

In LD 95, you can activate the display of the DES for MADNs. For display purposes, the DES characters are appended to the Call Party Name Display (CPND) name. Initial CPND name characters can be chopped off in favor of DES characters at the end, when the display cannot accommodate all characters.

Emergency Services Access

On-Site Notification

When an emergency call is initiated by a telephone user, the ODAS designator associated with the originating telephone is included as part of the On-Site Notification (OSN) call record sent to the OSN output or maintenance device. The DES is also part of the information shown on the OSN telephone display.

ODAS programs

Contents

This section contains information on the following topics:

Features print program (LD 81)

Prompts and responses for LD 81 appear below.

Table 2
LD 81: List or count telephones.

Prompt	Response	Description
REQ	LST CNT	List or count stations with features.
CUST	xx	Customer number as defined in LD 15.
DATE	ACT	TN service changes on or after the ACT date.
	dd mmm yyyy	Print from selected date.
	<cr>	Ignore service change date.
PAGE	YES	Page control.
	<cr>	No page control.

Table 2
LD 81: List or count telephones. (cont'd.)

Prompt	Response	Description
DES	d...d	Print all telephones with this DES. (Up to 6 alphanumeric characters.)
	d+	Print all telephones with DES starting with d.
	+	Print all telephones with no DES assigned.
	<cr>	Print data for all telephones.
FEAT	ALL	Prints all features.
	xxxx	Print the specified feature, see *Software Input Output Administration (NN43001-611)*.
	<cr>	When DATE or DES is answered (above), carriage return means the system searches only for the DATE and/or DES input. If a feature was entered, <cr> means no more features to be entered.
NACT	YES	Resets ACT date to present system date.
	<cr>	Return to REQ, does not reset date.
	END	Exit program. NACT appears after printout is completed.

Table 3
Typical printout of a list of telephones with the Speed Call Controller (SCC) feature (LD 81)

Feat	Cust	DN	LSNO	TN	Type	Key	DES	Act date
SCC	00	2000	0000	TN 00 0 01 0	500		ABCDA	1 JAN1979
SCC	00	2001	0001	TN 00 0 01 1	500		ABCDB	1 JAN1979
SCC	00	2002	0000	TN 00 0 01 2	500		DEEE	10 APR1979
SCC	00	2003	0000	TN 00 0 01 3	2500		ABCDD	10 APR1979
SCC	00	3000	0002	TN 00 0 04 0	SL1	4	HIB	10 APR1979

Table 4
Typical printout of a count of telephones sorted by feature type (LD 81)

Feature	Customer	Count	Total	SL1	500	2006
ADL	00	CNT	1	1	0	0
AD3	00	CNT	1	1	0	0
AO6	00	CNT	2	2	0	3
ARC	00	CNT	2	2	1	0
PUA	ALL	CNT	3	2	1	0
PUD	ALL	CNT	0	0	0	0

Multiple appearance and hunt chain program (LD 82)

Prompts and responses for LD 82 appear below.

Table 5
LD 82: Prompts and responses.

Prompt	Response	Description
REQ	MAP	Multiple Appearance.
		Print Multiple Appearance DN (MADN) and associated TNs. The hunt pattern displayed shows only the first TN in an MADN hunt group.
	MAG	Multiple Appearance Groups.
		Print Multiple Appearance Groups, including all single appearance DNs assigned on telephones that have Multiple Call assignments.
	HNT	Hunt pattern, single step in either direction.
		Short hunting is not shown.
CUST	xx	Customer number as defined in LD 15.
DATE	ACT	TN service changes on or after the ACT date.
	dd mmm yyyy	Print from selected date.
	<cr>	Ignore service change date.
PAGE	YES	Page control.
	<cr>	No page control.
DES	d...d	Print all telephones with this DES. (Up to 6 alphanumeric characters.)

Table 5
LD 82: Prompts and responses. (cont'd.)

Prompt	Response	Description
	d+	Print all telephones with DES starting with d.
	+	Print all telephones with no DES assigned.
	<cr>	Print data for all telephones.
DN	x...x	Single DN or a range of DNs (0–9999999).
	ALL	Print all MAG or MAP DNs.
	<cr>	All DNs.
NACT	YES	Resets ACT date to present system date.
	<cr>	Return to REQ, does not reset date.
	END	Exit program. NACT appears after printout is completed.

Table 6
Typical MAP printout (LD 82)

MAG[1]	Cust[2]	DN[3]	TN	Note[3]	Type	Key	DES	Act date
001	00	200	00 1 01 2	***01	SL1	03	YJK	10 JUN 1979
			00 1 01 3	HNT205	SL1	08	YMN	2 APR 1979
		201	00 0 01 0	HNT NONE	SL1	03	AZK	1 MAY 1979
			00 1 01 2	***01	SL1	02	YJK	10 JUN 1979

Note 1: The Multiple Appearance Group (MAG) number is determined by the system. It assigns the group numbers in ascending order.

Note 2: The DN is indicated only on the lowest TN of the multiple appearance group. Single appearance DNs have only one TN listed.

Note 3: The system uses the first TN of the multiple appearance group to determine hunting. ***01 indicates the order the TN is stored in the system (1–15). The first TN in the list (0) is identified either by a HNT number or HNT NONE.

Table 6
Typical MAP printout (LD 82) (cont'd.)

MAG[1]	Cust[2]	DN[3]	TN	Note[3]	Type	Key	DES	Act date
		204	00 0 01 0	HNT NONE	SL1	03	AZK	1 MAY 1979
			00 1 02 3	***01	500		AM M	2 JAN 1979
		203	00 1 01 2	HNT NONE	SL1	04	YJK	10 JAN 1979
			00 0 02 2	***01	500		AMK	10 SEP 1979

Note 1: The Multiple Appearance Group (MAG) number is determined by the system. It assigns the group numbers in ascending order.

Note 2: The DN is indicated only on the lowest TN of the multiple appearance group. Single appearance DNs have only one TN listed.

Note 3: The system uses the first TN of the multiple appearance group to determine hunting. ***01 indicates the order the TN is stored in the system (1–15). The first TN in the list (0) is identified either by a HNT number or HNT NONE.

Table 7
Typical Multiple Appearance Group (MAG) printout (LD 82)

MAG[1]	Cust[2]	DN[3]	TN	Note[3]	Type	Key	DES	Act date
001	00	300	00 0 04 0	HNT 330	SL1	00	BVM	2 JAN 1980
		302	00 0 04 0	HNT 330	SL1	01	BVM	2 JAN 1980
			00 0 04 1	***01	SL1	01	BFO	3 FEB 1980
		302	00 0 04 0	***01	SL1	02	BVM	2 JAN 1980
			00 0 04 1	HNT 330	SL1	02	BFO	3 FEB 1980
		303	00 0 04 0	HNT 330	500	03	BVM	2 JAN 1980

Note 1: The Multiple Appearance Group (MAG) number is determined by the system and assigns the group numbers in ascending order.

Note 2: The DN in indicated only on the lowest TN of multiple appearance. Single appearance DN have only one TN listed.

Note 3: The system uses the first TN of the multiple appearance to determine hunting. ***01 indicates the order the TN is stored in the system (1–15). The first TN in the list (0) is identified either by a HNT number or HNT NONE.

Table 7
Typical Multiple Appearance Group (MAG) printout (LD 82) (cont'd.)

MAG[1]	Cust[2]	DN[3]	TN	Note[3]	Type	Key	DES	Act date
			00 0 04 1	***01	SL1	03	BFO	3 FEB 1980
		304	00 0 04 0	HNT 330	SL1	04	BVM	2 JAN 1980
		307	00 0 04 0	HNT 330	SL1	05	BVM	2 JAN 1980
		310	00 0 04 1		SL1	00	BFO	3 FEB 1980
		400	00 0 04 0	HNT NONE	SL1	06	BVM	2 JAN 1980
002	00	200	24 0 01 0	***01	500		GBA	9 MAR 1980
		200	24 0 01 3	HNT 309	2500		JLO	8 MAR 1980

Note 1: The Multiple Appearance Group (MAG) number is determined by the system and assigns the group numbers in ascending order.

Note 2: The DN in indicated only on the lowest TN of multiple appearance. Single appearance DN have only one TN listed.

Note 3: The system uses the first TN of the multiple appearance to determine hunting. ***01 indicates the order the TN is stored in the system (1–15). The first TN in the list (0) is identified either by a HNT number or HNT NONE.

Table 8
Typical hunt chain print (LD 82)

Cust	DN	Hunt	DN	TN	Telephone type	Key	DES	ACT date
00	5040		5040	016 0 09 00	3000	00	ABC	30 OCT 1991
		FROM	2032	049 0 09 00	2500		YJK	31 OCT 1991
00	2032	TO	5040	016 0 09 00	3000	00	ABC	30 OCT 1991
			2032	049 0 09 00	2500		YJK	31 OCT 1991

Note: ** indicates a multiple appearance DN.

Designator sort print program (LD 83)

Prompts and responses for LD 83 appear below.

Table 9
LD 83: Prompts and responses.

Prompt	Response	Description
REQ	LST TNB	Single line of information for each TN in DES order. TNB printouts in DES order.
CUST	xx	Customer number as defined in LD 15.
PAGE	YES	Page control.
	<cr>	No page control.
NACT	YES	Resets ACT date to present system date.
	<cr>	Return to REQ, does not reset date.
	END	Exit program. NACT appears after printout is completed.

Typical printout formats for LD 83 appear in Table 10 "Typical list printout format (LD 83)" (page 21) and Table 11 "Typical TN printout format (LD 83)" (page 21).

Table 10
Typical list printout format (LD 83)

DES	ACT	Cust TN	Type	Density	Prime DN
ABC	24 OCT 1979	00 00 4 02 3	SL1	DD	3001
ABD	10 NOV 1979	00 00 4 03 0	500	SD	

Table 11
Typical TN printout format (LD 83)

DES	AIB
TN	00 0 02 1
TYPE	SL1
CDEN	DD
CUST	0
KLS	1
FDN	2564
TGAR	0
RNPG	0
IAPG	0
CLS	UNR FBD WTA LPR MTD FNA HTD
HUNT	000

Table 11
Typical TN printout format (LD 83) (cont'd.)

KEY	00 SCR 250
	01
	02
	03
	04
	05
	06
	07
	08
	09
	RLS
DATE	2 JUL 1980

Designator entry programs (LD 84 and LD 85)

LD 84 allows the addition of line designators to existing analog (500/2500-type) telephones.

LD 85 allows the addition of line designators to existing Meridian 1 proprietary telephones.

If the telephone is active on a call, the station is disconnected after the last <cr>.

Prompts and responses for LD 84 and LD 85 appear below.

Table 12
LD 84/LD 85: Prompts and responses.

Prompt	Response	Description
TN		Terminal Number.
	l s c u	Format for Large System and CS 1000E system, where l = loop, s = shelf, c = card, u = unit.
	c u	Format for CS 1000M Small System, Meridian 1 Small System, CS 1000S system, Media Gateway 1000B, and Media Gateway 1000T, where c = card and u = unit.
	END	Exit the program.
DES	x...x	Designator. (Up to 6 alphanumeric characters.)

Engineering

Contents

This section contains information on the following topics:

Memory requirements

In addition to the data-store requirements given in *Communication Server 1000M and Meridian 1 Large System Planning and Engineering (NN43021-220)* () , the ODAS feature requires the extra storage indicated in Table 13 "ODAS memory requirements" (page 23).

Table 13
ODAS memory requirements

Type of store	Requirements (words)
Program store	1100
Protected data-store activity date per TN in system	1
Station line DES per telephone	2

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