Meridian 1

Office Data Administration System

Description and engineering

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Description

Content list

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Reference list

The following are the references in this section:

- *X11 Administration* (553-3001-311)

Office Data Administration System (ODAS) is an optional software package. This feature assists in keeping records of information regarding Meridian 1 telephones and attendant consoles.

Office Data Administration System (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 (DNs)
- list hunting patterns for individual DNs
- list telephones in alphanumerical order according to station line designators (DESs)
- enter or change station line designators 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 Meridian Administration Tool (MAT) or the Optivity Telephony Manager (OTM)
- to get telephone data block printouts without the need to enter the Terminal Number (TN) or the Directory Number (DN)

You must respond to the DES field when you use overlay programs 10 and 11 to install telephones. You must respond to the DES field in overlay program 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 Terminal Number (TN). The system automatically enters and updates the ACT date whenever a service change is made. When requested, the system updates the ACT date of all TNs to the present system date. 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 (LD 14) datablocks 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 *X11 Administration* (553-3001-311) for complete information.

Selectable page control

Selectable page control permits individual printouts on a “per page” basis 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 service activity (ACT) date
- station line designator (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 Directory Numbers (DNs), single appearance DNs appearing on telephones with multiple appearance DN, and hunting patterns. The system may 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 service activity (ACT) date
- station line designator (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 may 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 *X11 Administration* (553-3001-311) for complete information.

Call Party Name Display

In LD 95, you can activate the display of the DES for Multiple Appearance DNs. The DES characters are appended to the CPND name for display. 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 (OSN)

When an emergency call is initiated by a telephone user, the ODAS designator associated with the originating telephone is included as part of the 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

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Reference list

The following are the references in this section:

- *X11 Administration* (553-3001-311)

Features print program (LD 81)

Prompts and responses for LD 81 appear below. Typical printout formats appear in Tables 1 and 2.

LD 81 – List or count telephones.

Prompts	Responses	Comments
REQ	LST, CNT	List or count stations with features.
CUST	xx xx xx <cr>	A single customer (0–99). A range of customers. All customers.

Prompts	Responses	Comments
DATE	ACT dd mmm yyyy <cr>	TN service changes on or after the ACT date. Print from selected date. Ignore service change date.
PAGE	YES <cr>	Page control. No page control.
DES	x...x x+ + <cr>	Print all telephones with this DES. (Up to 6 alphanumeric characters.) Print all telephones with DES starting with x. Print all telephones with no DES assigned. Ignore all DES.
FEAT	ALL xxxx <cr>	Prints all features. Print the specified feature, see *X11 Administration* (553-3001-311). When DATE or DES is answered (above), carriage return means the system searches only for the DATE and/or DES input. If a FEAT was entered, <cr> means no more FEATs to be entered.
NACT	YES <cr> END	Resets ACT date to present system date. Return to REQ, does not reset date. Exit program. NACT appears after printout is completed.

Table 1
Typical printout of a list of telephones with the Speed Call Controller (SCC) feature (LD 81).

Feat	Cust	DN	LSN O	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 2
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. Typical printout formats appear in Tables 3, 4 and 7.

LD 82 – Prompts and responses.

Prompts	Responses	Comments
REQ	MAP	Multiple Appearance. Print Multiple Appearance DN (MADN) and associated TNs. The hunt pattern displayed shows only the first TN in a 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 xx xx <cr>	A single customer (0–99). A range of customers. All customers.
DATE	ACT dd mmm yyyy <cr>	TN service changes on or after the ACT date. Print from selected date. Ignore service change date.
PAGE	YES <cr>	Page control. No page control.
DES	x...x	Print information regarding this DES. (Up to 6 alphanumeric characters.)
	x+	Print all DES starting with x.
	<cr>	Ignore all DES.
DN	x...x ALL <cr>	Single DN or a range of DNs (0–9999999). Print all MAG or MAP DNs. All DNs.
NACT	YES <cr> END	Resets ACT date to present system date. Return to REQ, does not reset date. Exit program. NACT appears after printout is completed.

Table 3
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
		204	00 0 01 0	HNT NONE	SL1	03	AZK	1 MAY 1979
			00 1 02 3	***01	500		AMM	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 4
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
			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 5
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, and typical printout formats appear in Tables 6 and 7.

LD 83 – Prompts and responses.

Prompts	Responses	Comments
REQ	LST, TNB	Single line of information for each TN in DES order. TNB printouts in DES order.
CUST	xx xx xx <cr>	A single customer (0–99). A range of customers. All customers.
PAGE	YES <cr>	Page control. No page control.
NACT	YES <cr> END	Resets ACT date to present system date. Return to REQ, does not reset date. Exit program. NACT appears after printout is completed.

Table 6
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 7
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
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)

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

Overlay program 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.

LD 84/LD 85 – Prompts and responses.

Prompts	Responses	Comments
TN	l s c u END	Enter a valid TN. Exit the program.
DES	x...x	Designator. (Up to 6 alphanumeric characters.)

Engineering

Memory requirements

In addition to the data store requirements given in *Capacity Engineering* (553-3001-149), the ODAS feature requires the extra storage indicated in Table 8.

Table 8
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 Station line DES per telephone	2

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Meridian 1

Office Data Administration System

Description and engineering

Information is subject to change without notice. Nortel Networks reserves the right to make changes in design or components as progress in engineering and manufacturing may warrant. This equipment has been tested and found to comply with the limits for a Class A digital device pursuant to Part 15 of the FCC rules, and the radio interference regulations of Industry Canada. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at their own expense.
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