Office Data Administration System Fundamentals
Avaya Communication Server 1000

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Chapter 1: New in this release

The following sections detail what's new with Office Data Administration System for Avaya Communication Server 1000 (Avaya CS 1000) Release 7.6.

- Features on page 7
- Other on page 7

Features

There are no updates to the feature descriptions in this document.

Other

Revision history

March 2013 Standard 06.01. This document is up-issued to support Avaya Communication Server 1000 Release 7.6.

October 2011 Standard 05.03. This document is up-issued to remove legacy feature and hardware content that is no longer applicable to or supported by Communication Server 1000 systems.

November 2010 Standard 05.02. This document is up-issued to support Avaya Communication Server 1000 Release 7.5.

November 2010 Standard 05.01. This document is up-issued to support Avaya Communication Server 1000 Release 7.5.

June 2010 Standard 04.01. This document is up-issued to support Avaya Communication Server 1000 Release 7.0.

May 2009 Standard 03.01. This document is up-issued to support Communication Server 1000 Release 6.0.

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

June 2007 Standard 01.02. This document is up-issued to remove the confidential statement.

May 2007 Standard 01.01. This document is issued to support Communication Server 1000 Release 5.0. This document contains information previously contained in the following legacy document, now retired: *Office Data Administration System: Description and Engineering (553-3001-352)*. No new content has been added for Communication Server 1000 Release 5.0. All references to Communication Server 1000 Release 4.5 are applicable to Communication Server 1000 Release 5.0.

August 2005 Standard 3.00. This document is up-issued to support Communication Server 1000 Release 4.5.

September 2004 Standard 2.00. This document is up-issued for Communication Server 1000 Release 4.0.

October 2003 Standard 1.00. This document is new for Succession 3.0. It was created to support a restructuring of the Documentation Library. This document contains information previously contained in the following legacy document, now retired: *Office Data Administration System: Description and Engineering* (553-2721-100).

Chapter 2: Introduction

This document is a global document. Contact your system supplier or your Avaya 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 document contains information about systems, components, and features that are compatible with Avaya Communication Server 1000 (Avaya CS 1000) software. For more information on legacy products and releases, click the **Documentation** link under **Support** on the Avaya home page:

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Applicable systems

This document applies to the following systems:

- Avaya Communication Server 1000E (Avaya CS 1000E)
- Avaya Communication Server 1000M Single Group (Avaya CS 1000M SG)
- Avaya Communication Server 1000M Multi Group (Avaya CS 1000M MG)

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":

- Avaya Communication Server 1000M (Avaya CS 1000M)
- Avaya Communication Server 1000E (Avaya CS 1000E)
- Meridian 1

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 61C, CP IV
- Meridian 1 PBX 81C, CP IV

Related information

This section lists information sources that relate to this document.

Technical Publications

The following Technical Publications are referenced in this document:

- *Avaya Software Input Output Administration (NN43001-611)*
- *Avaya Communication Server 1000M and Meridian 1 Large System Planning and Engineering (NN43021-220)*

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Chapter 3: Description

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- Enhancements to non-ODAS overlay programs on page 14

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- Features print program (LD 81) on page 15
- Multiple appearance and hunt chain print (LD 82) on page 15
- Designator sort print (LD 83) on page 16
- Designator entry program (LD 84 and LD 85) on page 16

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Emergency Services Access on page 16

- On-Site Notification on page 16

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
- 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. 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 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 *Avaya 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 *Avaya 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.

Description

Comments? infodev@avaya.com

Chapter 4: ODAS programs

Contents

This section contains information on the following topics:

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[Multiple appearance and hunt chain program (LD 82)](#) on page 20

[Designator sort print program (LD 83)](#) on page 23

[Designator entry programs (LD 84 and LD 85)](#) on page 25

Features print program (LD 81)

Prompts and responses for LD 81 appear below.

Table 1: 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 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	d...d	Print all telephones with this DES. (Up to 6 alphanumeric characters.)
	d+ + <cr>	Print all telephones with DES starting with d. Print all telephones with no DES assigned. Print data for all telephones.
FEAT	ALL xxxx	Prints all features. Print the specified feature, see *Avaya Software Input Output Administration (NN43001-611)*.

Prompt	Response	Description
	<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 <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 2: Typical printout of a list of telephones with the Speed Call Controller (SCC) feature (LD 81) on page 20 and Table 3: Typical printout of a count of telephones sorted by feature type (LD 81) on page 20 list typical printout formats for LD 81.

Table 2: 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	2616	4	HIB	10 APR1979

Table 3: Typical printout of a count of telephones sorted by feature type (LD 81)

Feature	Customer	Count	Total	2616	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 4: 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 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	d...d	Print all telephones with this DES. (Up to 6 alphanumeric characters.)
	d+ + <cr>	Print all telephones with DES starting with d. Print all telephones with no DES assigned. Print data for all telephones.
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.

Typical printout formats for LD 82 appear in Table 5: Typical MAP printout (LD 82) on page 21, Table 6: Typical Multiple Appearance Group (MAG) printout (LD 82) on page 22, and Table 7: Typical hunt chain print (LD 82) on page 23.

Table 5: 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	2616	03	YJK	10 JUN 1979
			00 1 01 3	HNT205	2616	08	YM N	2 APR 1979

MAG[1]	Cust[2]	DN[3]	TN	Note[3]	Type	Key	DES	Act date
		201	00 0 01 0	HNT NONE	2616	03	AZK	1 MAY 1979
			00 1 01 2	***01	2616	02	YJK	10 JUN 1979
		204	00 0 01 0	HNT NONE	2616	03	AZK	1 MAY 1979
			00 1 02 3	***01	500		AM M	2 JAN 1979
		203	00 1 01 2	HNT NONE	2616	04	YJK	10 JAN 1979
			00 0 02 2	***01	500		AM K	10 SEP 1979

Note:

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

Note:

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

Note:

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 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	2616	00	BV M	2 JAN 1980
		302	00 0 04 0	HNT 330	2616	01	BV M	2 JAN 1980
			00 0 04 1	***01	2616	01	BFO	3 FEB 1980
		302	00 0 04 0	***01	2616	02	BV M	2 JAN 1980
			00 0 04 1	HNT 330	2616	02	BFO	3 FEB 1980
		303	00 0 04 0	HNT 330	500	03	BV M	2 JAN 1980
			00 0 04 1	***01	2616	03	BFO	3 FEB 1980
		304	00 0 04 0	HNT 330	2616	04	BV M	2 JAN 1980
		307	00 0 04 0	HNT 330	2616	05	BV M	2 JAN 1980

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MAG[1]	Cust[2]	DN[3]	TN	Note[3]	Type	Key	DES	Act date
		310	00 0 04 1		2616	00	BFO	3 FEB 1980
		400	00 0 04 0	HNT NONE	2616	06	BV M	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:

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

Note:

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

Note:

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 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 8: 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 <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.

Typical printout formats for LD 83 appear in Table 9: Typical list printout format (LD 83) on page 24 and Table 10: Typical TN printout format (LD 83) on page 24.

Table 9: Typical list printout format (LD 83)

DES	ACT	Cust TN	Type	Density	Prime DN
ABC	24 OCT 1979	00 00 4 02 3	2616	DD	3001
ABD	10 NOV 1979	00 00 4 03 0	500	SD	

Table 10: Typical TN printout format (LD 83)

DES	AIB
TN	00 0 02 1
TYPE	2616
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)

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 11: LD 84/LD 85: Prompts and responses.

Prompt	Response	Description
TN		Terminal Number.
	l s c u	Format for Large System and Avaya Communication Server 1000E system, where l = loop, s = shelf, c = card, u = unit.
	END	Exit the program.
DES	x...x	Designator. (Up to 6 alphanumeric characters.)

Comments? infodev@avaya.com

Chapter 5: Engineering

Contents

This section contains information on the following topics:

Memory requirements on page 27

Memory requirements

In addition to the data-store requirements given in *Avaya Communication Server 1000M and Meridian 1 Large System Planning and Engineering (NN43021-220)*, the ODAS feature requires the extra storage indicated in Table 12: ODAS memory requirements on page 27.

Table 12: 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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