Nortel Communication Server 1000
Nortel Communication Server 1000 Release 4.5

Software Input/Output
Administration

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Revision history

November 2007

Standard 21.00. This document is up-issued to reflect changes in technical content.

- In LD11, updated description for HFA/HFD class of service to indicate that HFA is required for ACD agent digital telephones and applicable IP Phones.

November 2007

Standard 20.00. This document is up-issued to reflect changes in technical content.

- In LD23, default setting for HOML prompt changed from YES to NO.

September 2007

Standard 19.00. This document is up-issued to reflect changes in content due to CR Q01741758.

July 2007

Standard 18.00. This document is up-issued to reflect changes in content due to CR Q01663474.

December 2006

Standard 17.00. This document is up-issued to reflect changes in content:

- LD 10 / 11 Last Number Redial Size (LNRS) inserted missing value 20
- LD 23 Night Call Forward (NCFW) amended to specify will not exit overlay with package OPAO enabled.
- LD 56 Log In Mode Tone (LIMT) Note added to use default values for A-Law configuration

- LD 81 Features (FEAT) removed individual IP Phones (2002/2004/2050) and added global ISET subprompt
- LD 97 System parameters for Peripheral Equipment (SYSP) ISM and subprompts TNS through KEY3 removed.
- LD 97 System parameters for Peripheral Equipment (SYSP) FDLC prompt removed
- LD 97 System parameters for Peripheral Equipment (SYSP) FNUM prompt modified.

October 2006

Standard 16.00. This document is up-issued to reflect changes in content:

- LD 02 Set Time of Day y = 0-25 second adjustment
- LD 10 / 11 MIND change of wording.
- LD 14 / 16 / 17 DES, change of description to include spaces.
- LD 17 MWI amend to include Virtual Dchannels
- LD 20 / 22 / 27 / 81 / 82 / 83 NACT YES response description amended.
- LD 23 ICDD prompt added.
- LD 27 APP = BRI references removed
- LD 74 CNTR to include new prompts
- PKGBYNUM FXS added pkg 152
- LD 17 PMCR 5-1023
- LD 17 MSCL 0-8191

July 2006

Standard 15.00. This document is up-issued to reflect changes in content:

- LD17, NCR: Increase minimum Call Registers to 80 and modify system types
- LD117, ZDST: Note concerning last week of the month value = 5.
- LD117, SHELLS: Warning concerning disabling shells.

January 2006

Standard 14.00. This document is up-issued to reflect changes in content:

- Addition of package 408, Multimedia Systems Convergence (MS_CONV) in both the alphabetical and numerical list of packages.
- Addition of CLS response Remote Call Control (T87D)/T87A in LD 11.
- Correction of comments for BIPV prompt in LD 73 on page 880 as per CR Q01225253.

August 2005

Standard 13.00. This document is up-issued to support Communication Server 1000 Release 4.5.

September 2004

Standard 12.00. This document is up-issued for Communication Server 1000 Release 4.0.

October 2003

Standard 11.00. This document is up-issued to support Succession 3.0 Software.

November 2002

Standard 10.00. This document is up-issued to include content changes for Meridian 1 Release 25.4x and Succession Communication Server for Enterprise 1000, Release 2.0.

January 2002

Standard 9.00. This is a global document and is up-issued for Release 25.40.

December 2000

Standard 8.00. This document is up-issued for X11 Release 25.3x and now contains information on Small System IP Expansion.

April 2000

Standard 7.00. This is a global document and is up-issued for X11 Release 25.0x. Document changes include removal of: redundant content; references to equipment types except Options 11C, 51C, 61C and 81C; and references to previous software releases.

June 1999

Standard 6.00. This document is up-issued to include updates and changes required for X11 Release 24.2x.

March 1999

Standard 5.00. This document is up-issued to include updates and changes required for X11 Release 24.0x.

October 1997

Standard 4.00. This document is up-issued to include updates and changes required for X11 Release 23.0x.

April 1996

Standard 3.00. This document is up-issued to include updates and changes required for X11 Release 22.0x.

December 1995

Standard 2.00. This document is up-issued to include updates and changes required for X11 Release 21.1x.

July 1995

Standard 1.00. This document is issued to include updates and changes required for X11 Release 21.0x. This document has the new NTP number 553-3001-311 and replaces NTP 553-2311-311.

Contents

How to get help

This chapter explains how to get help for Nortel products and services.

Getting help from the Nortel web site

The best way to get technical support for Nortel products is from the Nortel Technical Support web site:

www.nortel.com/support

This site provides quick access to software, documentation, bulletins, and tools to address issues with Nortel products. From this site, you can:

- download software, documentation, and product bulletins
- search the Technical Support Web site and the Nortel Knowledge Base for answers to technical issues
- sign up for automatic notification of new software and documentation for Nortel equipment
- open and manage technical support cases

Getting help over the telephone from a Nortel Solutions Center

If you do not find the information you require on the Nortel Technical Support web site, and you have a Nortel support contract, you can also get help over the telephone from a Nortel Solutions Center.

In North America, call 1-800-4NORTEL (1-800-466-7835).

Outside North America, go to the following web site to obtain the telephone number for your region:

www.nortel.com/callus

Getting help from a specialist by using an Express Routing Code

To access some Nortel Technical Solutions Centers, you can use an Express Routing Code (ERC) to quickly route your call to a specialist in your Nortel product or service. 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, contact the technical support staff for that distributor or reseller.

About this document

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

The system uses a prompt-response system for switch configuration and alteration. When the data administrator loads an Administration Overlay into memory on a Terminal, the switch outputs a prompt. The data administrator is then able to type a response to answer that prompt. If the response is valid, the program outputs the next prompt. If the response is invalid, an SCHxxxx message is output.

To configure or change a feature, the data administrator may have to respond specifically to several prompts. This Data Administration NTP documents input and output in CS 1000 systems. (The term “overlay” is synonymous with the terms “load” and “overlay program”.)

Note on legacy products and releases

This NTP contains information about systems, components, and features that are compatible with Nortel Communication Server 1000 Release 4.5 software. For more information on legacy products and releases, click the **Technical Documentation** link under **Support** on the Nortel home page:

www.nortel.com/

Format and structure

This NTP presents only data administration overlays and text supplementary to these overlays. Overlay programs are identified by LD XX or XXX where

XX or XXX is the load number. Administration overlays are arranged in numerical order and appear in this NTP as separate modules.

Two general table types appear in each Load. The first table type is the *Prompts and responses* table. It appears at the front of each load and often follows introductory text. The second general table concludes each Administration Load and is titled *Alphabetical list of prompts*.

The *Prompts and responses* table

Many *Prompts and responses* tables present a complete list of an overlays prompts. When this is the case, they are simply titled *Prompts and responses*. Other *Prompts and responses* tables present only a subset of an overlays prompts. These tables present a list of prompts associated with a given data block, task, or feature.

In some Overlays, the complete prompt list as well as several prompt sublists are presented in a *Prompts and responses* section. Overlays which feature multiple *Prompts and responses* tables begin with a *Contents* box to help you find a particular prompt listing.

All *Prompts and responses* tables list prompts in the order in which they are output in each overlay. Acceptable responses or response variables are listed beside each prompt. A brief explanation of the prompt is provided in a *Comment* column. Subprompts (prompts which are indented with a hyphen) also appear in the *Prompts and responses* table. To have subprompts appear on the TTY, the data administrator must enter specific responses at the previous non-indented prompt. Shown below is an excerpt from a *Prompts and responses* table.

Prompt	Response	Comment
REQ	aaa	Request
TYPE	aaa	Type of data block
TN	l s c u	Terminal Number
CDEN	SD, DD	Card Density

Note that in a *Prompts and responses* table:

1 Responses are often left as generic variables.

2 The comment entry is typically brief and explains the prompt.

The *Alphabetical list of prompts* table

This table provides a more detailed description of a response. Shown below is an excerpt from Overlay 14 *Alphabetical list of prompts* table:

Prompt	Response	Comment	Package Release
REQ		Request	basic-1
	CHG	Change existing data	
	END	Exit overlay program	
TN	l ch	Terminal Number for digital trunks when TYPE = RDC or VDC:	
		• l = 0-159, Large System l = 0, 4, 8 - 252, CS 1000E l = 0-255: loops, Systems with Fibre Network Fabric	basic-4.0 fnf-25
		• l = 1-9 Option 11C l = 1-9, 11-19, 21-29, 31-39, 41-49, Option 11C with Survivable IP l = 11-14, 21-24, 31-34, 41-44 for CS 1000S l = 0-4, 7-10, 11-14, 17-24, 27-34, 37- 44, 47-50 for MG 1000T • ch = channel 1-24 for 1.5 Mb/s DTI/PRI or 1-30 for 2.0 Mb/s DTI/PRI.	sipe-25 basic-1.0 basic-4.0

Note that in an *Alphabetical list of prompts* table:

1 Responses are actual alternatives and not generic variables.

2 The comment entry is often expansive and may explain the prompt, the response, or both.

3 The package and release column provides the mnemonic of the package that must be equipped on the switch in order to receive this prompt. (In this example, the "basic" package must be equipped to view REQ.) The number following the hyphen ("1" in this example) denotes the Release of software in which the package was made available. When there are two or more entries in the package and release column for a prompt, the Comment column provides clarification. In the example, the prompt TN has multiple entries for package and release. The Large System opposite the "fnf-25" entry in the Package Release column indicates that the Fibre Network Fabric package does not apply for other systems. The second "basic-1.0" entry in the Package Release column is applicable to the CS 1000S system.

Feature Packages

A listing of Feature Packages appears twice in this NTP. An alphabetical listing (sorted by Package mnemonic) of Feature Packages can be found on page 43. A numerical listing (sorted by Package number) of Feature Packages can be found on page 55.

Note on legacy products and releases

This NTP contains information about systems, components, and features that are compatible with Nortel Communication Server 1000 Release 4.5 software. For more information on legacy products and releases, click the **Technical Documentation** link under **Support** on the Nortel home page:

www.nortel.com/

Applicable systems

This document applies to the following systems:

- Communication Server 1000E (CS 1000E)
- Communication Server 1000S (CS 1000S)
- Communication Server 1000M Chassis (CS 1000M Chassis)
- Communication Server 1000M Cabinet (CS 1000M Cabinet)
- Communication Server 1000M Half Group (CS 1000M HG)
- Communication Server 1000M Single Group (CS 1000M SG)

- Communication Server 1000M Multi Group (CS 1000M MG)
- Media Gateway 1000B (MG 1000B)
- Media Gateway 1000E (MG 1000E)
- Media Gateway 1000T (MG 1000T)
- Meridian 1 PBX 11C Chassis
- Meridian 1 PBX 11C Cabinet
- Meridian 1 PBX 51C
- Meridian 1 PBX 61C
- Meridian 1 PBX 81
- Meridian 1 PBX 81C

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

System migration

When particular Meridian 1 systems are upgraded to run CS 1000 Release 4.5 software and configured to include a Signaling Server, they become CS 1000M systems. Table 1 lists each Meridian 1 system that supports an upgrade path to a CS 1000M system.

Table 1
Meridian 1 systems to CS 1000M systems

This Meridian 1 system...	Maps to this CS 1000M system
Meridian 1 PBX 11C Chassis	CS 1000M Chassis
Meridian 1 PBX 11C Cabinet	CS 1000M Cabinet
Meridian 1 PBX 51C	CS 1000M Half Group
Meridian 1 PBX 61C	CS 1000M Single Group
Meridian 1 PBX 81	CS 1000M Multi Group
Meridian 1 PBX 81C	CS 1000M Multi Group

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

- *Communication Server 1000M and Meridian 1: Small System Upgrade Procedures* (553-3011-258)
- *Communication Server 1000M and Meridian 1: Large System Upgrade Procedures* (553-3021-258)
- *Communication Server 1000S: Upgrade Procedures* (553-3031-258)
- *Communication Server 1000E: Upgrade Procedures* (553-3041-258)

Intended audience

This document is intended for individuals responsible for the maintenance of *CS 1000 and Meridian 1* systems.

Conventions

Terminology

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

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

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

- Communication Server 1000M Chassis (CS 1000M Chassis)
- Communication Server 1000M Cabinet (CS 1000M Cabinet)
- Meridian 1 PBX 11C Chassis
- Meridian 1 PBX 11C Cabinet

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

- Communication Server 1000M Half Group (CS 1000M HG)

- Communication Server 1000M Single Group (CS 1000M SG)
- Communication Server 1000M Multi Group (CS 1000M MG)
- Meridian 1 PBX 51C
- Meridian 1 PBX 61C
- Meridian 1 PBX 81
- Meridian 1 PBX 81C

Notational conventions

- Both upper and lower case are used in this book to distinguish between Prompts, Commands, and Variables.
- Lowercase variables are used in this book to represent many possible responses. The following table lists a few key variables which appear throughout this NTP.

Variable	Meaning
a	Alphabetic characters
#	Alphanumeric characters
x	Numeric characters
c	Customer Number
c (u)	Small System, CS 1000S, MG 1000B, and MG 1000T Terminal Number (TN) Card, Unit; where unit is optional
c u	Small System, CS 1000S, MG 1000B, and MG 1000T Terminal Number (TN) Card and Unit
c 0 0 u	Terminal Number (TN) for Small System, CS 1000S, MG 1000B, and MG 1000T. A TN consists of a card, two filler digits, and a unit.
dn	Directory Number (DN)
hh mm	Hours (0 - 23) and Minutes (00 - 59)
loop	Network Loop Number (0-159)
l s c (u)	Large System and CS 1000E System Terminal Number (TN), Loop, Shelf, Card, Unit; where unit is optional
l s c u	Large System and CS 1000E System Terminal Number (TN) (loop, shelf, card, and unit number)

mmm	Month (JAN - DEC) when used in a date.
nnn xxx	Numeric characters
xxx	Numeric value of set number of digits
x...x	Numeric value of several digits
yy mm dd	Year (00 - 99), Month (1 - 12) and Day (1 - 31)

- **<CR>** denotes that the carriage return key is to be depressed without inputting any data. The carriage return leaves the existing value unchanged, or enters the default value if there is no existing value.
- **<space>** denotes that the space bar is to be depressed instead of **<CR>**.
- **<value>** denotes a variable value, generally for a prompt response.
- For example, **<NIPN>** is the value responded to the NIPN prompt and **<min>** is a minimum value.
- Default values are shown in parentheses.
- A range of numbers is denoted by giving the lower and upper limits of the range. For example, given the range **0 - (2) - 3**, the user may manually enter 0, 1, 2, or 3, or carriage return (press **<CR>**) to enter the default of 2.
- Default values are shown in brackets in the response column where applicable. Pressing **<CR>** enters the default.
- Where applicable, precede an entry with an **X** to delete that entry or set your entry to default value.

Related information

This section lists information sources that relate to this document.

NTPs

The following NTPs are referenced in this document:

- *Features and Services* (553-3001-306)
  (contains information on features and the testing of features and services for telephones and attendant (ATT) consoles)

- *Software Input/Output: System Messages* (553-3001-411)
  (contains information on system error messages)
- *Software Input/Output: Maintenance* (553-3001-511)
  (contains information on Maintenance overlay programs)

Online

To access Nortel documentation online, click the **Technical Documentation** link under **Support** on the Nortel home page:

www.nortel.com

CD-ROM

To obtain Nortel documentation on CD-ROM, contact your Nortel Networks customer representative.

Communicating with the system

To communicate with the system, the following input/output devices at either on-site (local) or remote locations are required:

- TTY or VDT terminal as an input/output device
- RS-232-C compatible printer as an output only device
- Maintenance telephone set as an input only device
- Element Manager for CS 1000
- Optivity Telephony Manager (OTM)
- rlogin over ethernet/LAN/WAN

The input/output system can operate with terminals having the following characteristics:

- Interface: RS-232-C
- Code: ASCII
- Speed: 110, 300, 1200, 2400, 4800, 9600, and 19,200 baud
- Loop Current: 20 mA

Accessing the system

Logging in and out

When you access the system through a system terminal, a login procedure is required (refer to Procedure 1). All system passwords are initially set as 0000, but you can change passwords through the Configuration Record (LD 17). See also "Limited Access to Overlays" in the *Features and Services* (553-3001-306).

- **Level 1 password.** This general password is used in the log in sequence to provide general access to the system by service personnel. Once the system is accessed, the service personnel may then perform any necessary administration or maintenance tasks.
- **Level 2 password.** This administrative password is known and used only by the data administration manager. The password is used to protect the system configuration record and is required when using LD 17 to change either the general or the administrative passwords.

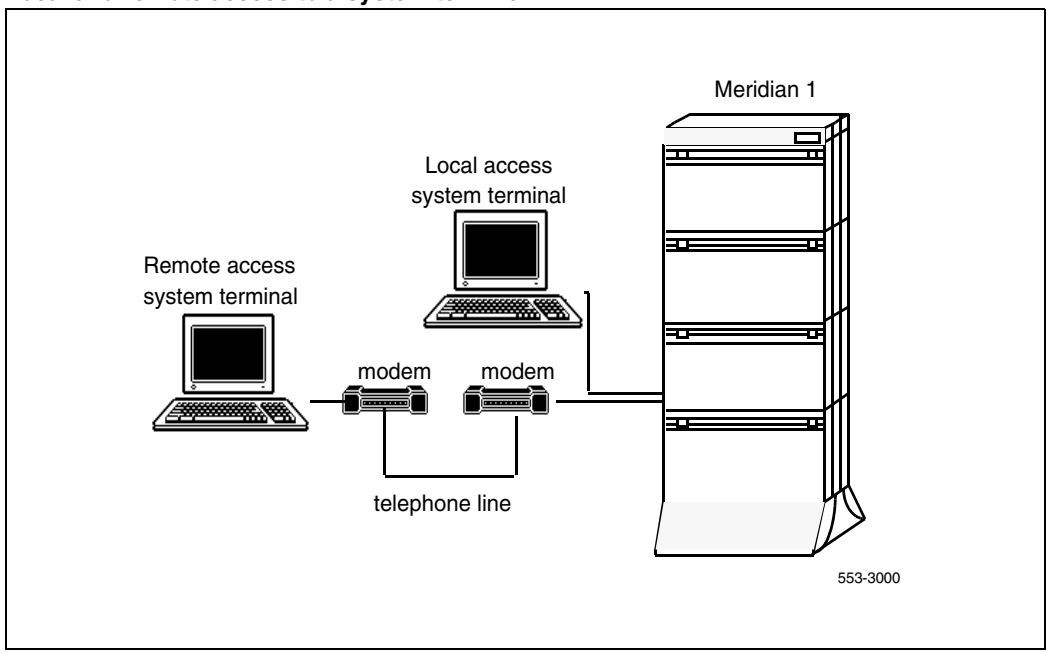
Local and remote access

Input/output terminals may operate either locally or remotely. However, data modems are required for terminals located more than 50 feet (15 meters) from the central control interface. Both local and remote terminals interface with the system through Serial Data Interface (SDI) packs.

Many devices can be installed at local and remote locations. When a system terminal is installed locally, it is connected directly to a SDI Card. When a system terminal is installed at a remote location, modems (or data sets) and a telephone line are required between the terminal and the SDI card. Figure 1, "Local and remote access to a system terminal" on page 31, shows typical system terminal configurations.

Multiple devices can simultaneously communicate with the Meridian 1 if Multi User Login is enabled. Refer to the *System Management* (553-3001-300) for details regarding the Multi User Login Feature.

Figure 1
Local and remote access to a system terminal



HOST mode access

A system terminal is connected through an SDI port. SDI ports are defined in LD 17 and may be configured for different types of outputs. For example, one terminal may be defined for traffic reports, another for maintenance messages. Two ports may be defined for the same output.

It is possible to log in as a HOST. When in the HOST mode, the outputs defined for the port are only output to that port. This is useful for applications which require high speed ports. Once the HOST port has logged out, the outputs to the other ports are restored.

To configure a system terminal, see the “System and limited access passwords” in the configuration record (LD 17). See also OVL403 and OVL404 messages, which are output to the ports affected by a HOST log in.

Line mode interface log in procedure

The Overlay Loader offers a Line Mode interface. With Line Mode enabled (LON), the backspace can be used to edit input. The entered information (responses, for example) is not processed until the <CR> is entered. When the Line Mode is disabled (LOF), the system terminal interface processes information as it is entered.

> ***Note:*** Line Mode interface requires the setting: seven data bits, space parity and one stop bit.

The Serial Data Interface (SDI) application on the Multi-Purpose Serial Data Link (MSDL) card offers the Line Mode Editing (LME) function. With the LME function enabled (FUNC=LME), the backspace can be used to edit input. The LME function is only supported on VT200 type terminals running EM200 emulation mode.

Procedure 1
Logging in and out

1 Press <CR>

- If the response is: **OVL111 nn TTY** or **OVL111 nn SL-1**
- That means: Someone else is logged into the system. When they have logged off, press <CR> and go to Step 2.
- If the response is: **OVL111 nn IDLE** or **OVL111 nn BKGD**
- That means: You are ready to log into the system. Go to Step 2.
- If the response is: **OVL000 >**

  That means: This is the program identifier which indicates that you are have already logged into the system. Go to Step 4.

2 Enter: **LOGI, then press <CR>**

The normal response is: **PASS?**

If there is any other response, refer to the message text in the System Error Messages NTP.

3 Enter: **Level 1 or Level 2 password** and press <CR>.

If the password is correct, the system responds with the prompt: **>**

4 Load a program by entering: **LD XXX** where *XXX* represents the overlay program number).

5 Perform tasks

6 End the program by entering: **END** or ********

7 Always end the log in session with: **LOGO**

The background routines are then loaded automatically.

Access through the maintenance telephone

A telephone functions as a maintenance telephone when you define the class-of-service as MTA (maintenance telephone allowed) in the Multi-line Telephone Administration program (LD 11). A maintenance telephone allows you to send commands to the system, but you can only use a subset of the commands that can be entered from a system terminal.

You can test tones and outpulsing through the maintenance telephone. Specific commands for those tests are given in the Tone and Digit Switch and Digitone Receiver Diagnostic (LD 34).

To access the system using the maintenance telephone, see Procedure 2. To enter commands, press the keys that correspond to the letters and numbers of the command (for example, to enter LD 42 return, key in 53#42##). Table 2 shows the translation from a keyboard to a dial pad.

The following overlays (LDs) ARE accessible from a maintenance telephone: 30, 32, 33, 34, 36, 37, 38, 42, 43, 45, 46, 60, 61, and 62

The following overlays (LDs) ARE NOT accessible from a maintenance telephone: 31, 40, 48, 77, 80, 92, 96, 135, 37

Note: To use the maintenance telephone, the loop for that telephone must be operating.

Table 2
Translation from keyboard to dial pad

Keyboard				Dial pad
			1	1
A	B	C	2	2
D	E	F	3	3
G	H	I	4	4
J	K	L	5	5
M	N	O	6	6
P, Q	R	S	7	7
T	U	V	8	8
W	X	Y, Z	9	9
			0	0
			Space or #	#
			Return	##
			*	*
Note: There is no equivalent for Q or Z on a dial pad.				

Procedure 2
Accessing through the maintenance telephone

1 Press the prime DN key.

2 Place the phone in maintenance mode by entering: **xxxx91**

Where: "xxxx" is the customer Special Prefix (SPRE) number. It is defined in the Customer Data Block and can be printed using LD 21. The SPRE number is typically "1" (which means you would enter 191).

3 Check for busy tone by entering "return": **##**

- If there is no busy tone, go to Step 4.
- If there is a busy tone, a program is active. To end an active program and access the system enter: ********

4 Load a program by entering: **53#xx##**

Where: "xx" represents the number of the overlay program

5 Perform tasks.

6 To exit the program and return the telephone to call processing mode, enter: ****

Background routines are then loaded automatically.

Accessing Meridian Mail

Small System allows access to Meridian Mail Administration & Maintenance through a shared terminal on the Small System. To access the Meridian Mail system, log in and enter: AX. To exit from Meridian Mail, press the Control key and the closed square bracket ( ]) simultaneously.

Preview of overlay content

System information, call information, features and services are all controlled by overlays (LDs). Data blocks are used to control this information. Listed below are some of the items accessible through the overlays.

Type	Overlay(s)	Item
Terminal Number data block	10, 11, 12, 14	• busy lamp field • Class of Service (CLS) • feature access and requirements • key assignments • route assignment • telephone features (# of key strips, data modules) • telephone type • trunk access • trunk type
Customer data block	15	• attendant console information • customer number • feature access codes • incoming call identification • intercept options • Listed Directory Number (LDN) • night service • Recorded Announcement (RAN)
Route data block	16	• access codes • Call Detail Recording (CDR) information • code restrictions • network trunk features • route number • trunk route type • trunking features (timers, starting arrangements)

Type	Overlay(s)	Item
Configuration data block	17	• input/output devices • memory location • network loop usage • number of memory modules • number of network loops • system parameters (call register, buffer sizes, traffic)

System memory and disk space

The following memory information is output when an administration program is loaded. This information is used to plan the addition of new features, such as speed call lists, which require memory and disk space.

MEM AVAIL: (U/P): pppppp USED: qqqqqq TOT: rrrrrr

or (depending on the total amount of memory)

MEM AVAIL: (U-ppppp1 P-ppppp2): USED: qqqqqq TOT: rrrrr

DISK RECS AVAIL: xxxxx, for Small Systems

DISK SPACE NEEDED: nnnnn KBYTES, for Large Systems

Legend:

Element	Definition
ppppp1	Amount of unprotected memory available for use (in words)
ppppp2	Amount of protected memory available for use (in words)
ppppp	Total memory available for use (ppppp1 + ppppp2) (in words)
qqqqq	Total amount of memory used (in words)
rrrrrr	Total amount of memory (in words)
xxxxx	Records available for storage of additional data (Small Systems)
nnnnn	Records available for storage of additional data (Large Systems)

Low memory and disk warnings

If the amount of memory or disk space is low, the following messages are output on the systems.

WARNING: LOW MEMORY
WARNING: LOW DISK
WARNING: LOW MEMORY/DISK

Note: The LOW DISK messages will not be displayed after sysload until a data dump is performed.

WARNING

When the LOW MEMORY, LOW DISK, or LOW MEMORY/DISK messages appear, avoid performing further administration changes which require more memory and disk space. These changes may be lost during the next data dump.

When low memory or disk problems occur, a review of system memory is recommended. Memory may be reclaimed by removing unused features. For example, the system may have speed call lists which are no longer used and can be removed.

Depending on the data storage type required (e.g., protected/ unprotected), it may be necessary to perform an initialize or sysload to access the reclaimed data store space.

A disk record stores approximately 500 words of protected data store. A single 3.5 inch high density floppy disk can hold a maximum of 1425 records.

When the software detects that more than one floppy disk is required, the data will be compressed during the backup, thereby reducing the number of disks required.

System Lookup messages

On systems equipped with System Errors and Events Lookup package 245, it is possible to display system messages on screen. Specific system messages may then be viewed on screen if the user enters ERR followed by the desired system error code and <CR>. The following example shows the data entries necessary to view error message SCH946:

- Login to switch
- PASS(Enter only your password)
- ERR SCH946<CR>(The user must type “ERR SCH946” and press return)

The screen will now display the error message corresponding to SCH946. In this case, that message is:

Invalid User Type

For further information on system messages refer to the *Software Input/Output: System Messages* (553-3001-411).

Multi-User Login

Meridian 1 Multi-User Login (MULTI_USER) (package 242) enables up to five users to log in, load, and execute overlays simultaneously. These users are in addition to an attendant console or maintenance terminal. The multi-user capability increases the efficiency of technicians by enabling them

to perform tasks in parallel. To facilitate this operating environment, Multi-User Login includes significant functionality:

- Database conflict prevention
- Additional user commands
- TTY log files
- TTY directed I/O

With multiple overlays operating concurrently, there is the potential for a database conflict if two or more overlays attempt to modify the same data structure. Multi-User Login software prevents such conflicts. When a user requests that an overlay be loaded, the software determines if it could pose a potential conflict with an overlay that is already executing. If no conflict exists, the requested overlay is loaded. If a conflict does exist, the system issues the following message:

OVL429-OVERLAY CONFLICT

The user can try again later, or try to load a different overlay.

Multi-User Login also introduces several user commands. With these commands, the user has the ability to:

- communicate with other users
- determine who is logged into the system
- halt and resume background and midnight routines
- initiate and terminate terminal monitoring
- change printer output assignment

Note: For complete feature information on Multi-User Login, consult the *Overlay Loader and Multi-User Login* section in this NTP.

Maintenance display codes

Maintenance displays are located on the faceplate of certain circuit cards. A maintenance display code is a one-, two-, or three-digit alphanumeric code which can indicate the status of the system and identify faulty equipment. For

a detailed definition of these codes, see the section titled “HEX” in the System Error Messages NTP.

Time and date of fault

The system identifies the time that faults are detected. When a diagnostic message is output, a timestamp is output within 15 minutes. The format is:

TIMxxx hh:mm dd/mm/yy CPU x

Where: **xxx** is the system ID

The time, date, and system ID are set in LD 2.

Alphabetical list of packages

The following list is a comprehensive alphabetical list of packages that can be equipped on Meridian 1 or CS 1000S systems. For a numerical list of available packages, refer to the section titled "Numerical list of packages" on page 55.

Mnemonic	Feature Name	Number	Release
AA	Attendant Administration	54	1
AAA	Attendant Alternative Answering	174	15
AAB	Automatic Answerback	47	1
ABCD	16-Button Digitone/Multifrequency Telephone	144	14
ACDA	Automatic Call Distribution, Package A	45	1
ACDB	Automatic Call Distribution, Package B	41	1
ACDC	Automatic Call Distribution Package C	42	1
ACDD	Automatic Call Distribution Package D	50	2
ACDE	ACD/CDN Expansion	388	25.4
ACLI	Analog Calling Line Identification	349	24
ACNT	Automatic Call Distribution, Account Code	155	13
ACRL	AC15 Recall	236	20
ADMINSET	Set Based Administration	256	21
ADSP	ACD Night Call Forward without Disconnect Supervision	289	23
AFNA	Attendant Forward No Answer	134	14
AINS	Automatic Installation	200	16
ALRM_FILTER	Alarm Filtering	243	19
ANI	Automatic Number Identification	12	1
ANIR	ANI Route Selection	13	1
AOP	Attendant Overflow Position	56	1

Mnemonic	Feature Name	Number	Release
APL	Auxiliary Processor Link	109	10
ARDL	Automatic Redial	304	22
ARFW	Attendant Remote Call Forward	253	20
ARIE	Aries Digital Sets	170	14
ATAN	Attendant Announcement	384	25.4
ATM	Automatic Trunk Maintenance	84	7
ATX	Autodial Tandem Transfer	258	20
AUXS	Automatic Call Distribution Package D, Auxiliary Security	114	12
AWU	Automatic Wake-Up	102	10
BACD	Basic Automatic Call Distribution	40	1
BARS	Basic Alternate Route Selection	57	1
BASIC	Basic Call Processing	0	1
BAUT	Basic Authorization Code	25	1
BGD	Background Terminal	99	10
BKI	Attendant Break-In/Trunk Offer	127	1
BNE	Business Network Express	367	25
BQUE	Basic Queuing	28	1
BRI	Basic Rate Interface	216	18
BRIL	BRI line application	235	18
BRIT	ISDN BRI Trunk Access	233	18
BRTE	Basic Routing	14	1
BTD	Busy Tone Detection Tone	294	21
CAB	Charge Account/Authorization Code	24	1
CALL ID	Call ID (for AML applications)	247	19
CASM	Centralized Attendant Services (Main)	26	1
CASR	Centralized Attendant Services (Remote)	27	1
CBC	Call-by-Call Service	117	13
CCB	Collect Call Blocking	290	21
CCDR	Calling line Identification in Call Detail Recording	118	13
CCOS	Controlled Class Of Service	81	7
CDP	Coordinated Dialing Plan	59	1
CDIR	Corporate Directory	381	
CDR	Call Detail Recording	4	1

Mnemonic	Feature Name	Number	Release
CDRE	Call Detail Recording Expansion (7 digit)	151	13
CDRQ	ACD CDR Queue Record	83	3
CDRX	Call Detail Recording Enhancement	259	20
CHG	Charge Account for CDR	23	1
CHINA	China Attendant Monitor Package	285	21
CHTL	China Toll Package	292	21
CISMFS	Commonwealth of Independent States Multifrequency Shuttle Signalling	326	23
CIST	Commonwealth of Independent States - Trunk	221	21
CNAME	Calling Name Delivery	333	23
CNUMB	Calling Number Delivery	332	23
COOP	Console Operations	169	14
CORENET	Core Network Module	299	21
CDIR	Corporate Directory	381	25
CPCI	Called Party Control on Internal Calls	310	22
CPGS	Console Presentation Group	172	15
CPIO	Call Processor Input/Output (Option 81C)	298	21
CPND	Calling Party Name Display	95	10
CPP	Calling Party Privacy	301	21
CPP_CNI	CP Pentium Backplane for Intel Machine	368	25
CPRK	Call Park	33	2
CPRKNET	Call Park Networkwide	306	22
CSL	Command Status Link	77	8
CTY	Call Detail Recording on Teletype Terminal	5	1
CUST	Multiple-Customer Operation	2	1
CWNT	Call Waiting Notification (Meridian 911)	225	19
DASS2	Digital Access Signaling System 2	124	16
DBA	Data Buffering and Access	351	24
DCON	M2250 Attendant Console	140	15
DCP	Directed Call Pickup	115	12
DDSP	Digit Display	19	1
DHLD	Deluxe Hold	71	4
DI	Dial Intercom	21	1
DISA	Direct Inward System Access	22	1
DKS	Digit Key Signaling	180	1

Mnemonic	Feature Name	Number	Release
DLDN	Departmental Listed Directory Number	76	5
DLT2	M2317 Digital Sets	91	9
DMWI	DPNSSI Message Waiting Indication	325	23
DNDG	Do-Not-Disturb, Group	16	1
DNDI	Do-Not-Disturb, Individual	9	1
DNIS	Dialed Number Identification System	98	10
DNWK	DPNSS Network Services	231	16
DNXP	Directory Number Expansion (7 Digit)	150	13
DPNA	Direct Private Network Access	250	21
DPNSS189I	Enhanced DPNSS1 Gateway	284	20
DPNSS	Digital Private Network Signaling System 1	123	16
DPNSS_ES	DPNSS Enhanced Services	288	21
DRNG	Distinctive Ringing	74	4/9
DSET	M2000 Digital Sets	88	7
DTI2	2 Mbit Digital Trunk Interface	129	10
DTD	Dial Tone Detector	138	10
DTOT	DID to Tie (Japan only)	176	16
EAR	Enhanced ACD Routing	214	17
ECCS	Enhanced Controlled Class of Service	173	15
ECT	Enhanced Call Trace	215	18
EDRG	Executive Distinctive Ringing	185	16
EES	End-To-End Signaling	10	1
EMUS	Enhanced Music	119	12
ENS	Enhanced Night Service	133	20
EOVF	ACD Enhanced Overflow	178	15
ESA	Emergency Services Access	329	23
ESA_CLMP	Emergency Services Access Calling Number Mapping	331	23
ESA_SUPP	Emergency Services Access Supplementary	330	23
ETSI_SS	Euro Supplementary service	323	22
EURO	Euro ISDN	261	20
FAXS	HiMail Fax Server	195	18
FCC68	FCC Compliance for DID Answer Supervision	223	17
FCA	Forced Charge Account	52	1
FCBQ	Flexible Call Back Queuing	61	1

Mnemonic	Feature Name	Number	Release
FCDR	New Format CDR	234	18
FDID	Flexible DID	362	24
FFC	Flexible Feature Codes	139	15
FFCSF	Boss Secretary Filtering (FFC activation)	198	15
FGD	Feature Group D	158	17
FIBN	Fiber Network	365	25
FNP	Flexible Numbering Plan	160	14
FRTA	French Type Approval	197	15
FTC	Flexible Tones and Cadences	125	16
FTDS	Fast Tone and Digit Switch	87	7
FXS	Flexible Services Package	152	25
GCM	General Call Monitor	344	24
GRP	Group Call	48	1
GRPRIM	Geographic Redundancy Primary system	404	4.0
GRSEC	Geographic Redundancy Secondary system	405	4.0
GPRI	International 1.5/2.0 Mb/s Gateway	167	18
GCM	Global Call Monitoring	344	24
H323_VTRK	H.323 Virtual Trunk	399	3.0
HIST	History File	55	1
HOSP	Hospitality Management	166	16
HOT	Enhanced Hot Line	70	4/10
HSE	Hospitality Screen Enhancement	208	17
HVS	Meridian Hospitality Voice Service	179	16
IAP3P	Integrated Services Digital Network Application Module Link for Third Party Vendors	153	13
ICDR	Internal CDR	108	10
ICON_PACKAGE	M3900 Full Icon Support	397	3.0
ICP	Intercept Computer Interface	143	10
IDA	Integrated Digital Access	122	16
IDC	Incoming DID Digit Conversion	113	12
IEC	Inter-Exchange Carrier	149	13
IMS	Integrated Message System UST and UMG are part of IMS Package.	35	2
INBD	International nB+D	255	20
INTR	Intercept Treatment	11	1

Mnemonic	Feature Name	Number	Release
IPEX	IP Expansion	295	3.0
IPMG	IP Media Gateway	403	4.0
IPRA	International Primary Rate Access	202	15
ISDN	Integrated Services Digital Network	145	13
ISDN INTL SUP	ISDN Supplementary Features	161	14
ISL	ISDN signaling Link	147	13
ISPC	ISDN Semi-Permanent Connection	313	22
IVR	Hold in Queue for IVR	218	18
JDMI	Japan Digital Multiplex Interface	136	14
JPN	Japan Central Office Trunks	97	9
JTDS	Japan Tone and Digit Switch	171	14
JTTC	Japan Telecommunication Technology Committee	335	23
KD3	Spanish KD3 DID/DOD interface	252	20
LAPW	Limited Access to Overlays	164	16
L1MF	X08 to X11 Gateway	188	15
LLC	Line Load Control	105	10
LMAN	Automatic Call Distribution Load Management (C2)	43	1
LNK	ACDD, Auxiliary Link Processor	51	2
LNR	Last Number Redial	90	8
LOCX	Location Code Expansion	400	4.0
LSCM	Local Steering Code Modifications	137	10
LSEL	Automatic Line Selection	72	4
M3900_PROD_ENH	M3900 Phase III Productivity Enhancement	386	25.4
M3900_RGA_PROG	M3900 Ring Again	396	3.0
M911 ENH	M911 Enhancement Display	249	25
MAID	Maid Identification	210	17
MASTER	Euro ISDN Trunk - Network Side	309	22
MAT	MAT 5.0	296	22
MC32	Meridian Companion Enhanced Capacity	350	24
MCBQ	Network callback Queuing	38	2
MCMO	Meridian 1 Companion Option	240	19
MCT	Malicious Call Trace	107	10
MED_LANG	M3904 Mediterranean Language group	395	3.0
MEET	MCDN End to End Transparency	348	24

Mnemonic	Feature Name	Number	Release
MFC	Multifrequency Compelled Signaling	128	9
MFE	Multifrequency Signaling for Socotel	135	10
MINT	Message Intercept	163	15
MLIO	Multi-Language I/O Package	211	16
MLM	Meridian Link Modular Server	209	16
MLMS: Brazilian	Meridian Link Modular Server: Brazilian	264	20
MLMS: Chinese (PRC)	Meridian Link Modular Server: Chinese (PRC)	265	20
MLMS: Chinese (ROC)	Meridian Link Modular Server: Chinese (ROC)	266	20
MLMS: Dainish	Meridian Link Modular Server: Dainish	267	20
MLMS: Dutch	Meridian Link Modular Server: Dutch	268	20
MLMS: Finnish	Meridian Link Modular Server: Finnish	269	20
MLMS: Canadian French	Meridian Link Modular Server: Canadian French	270	20
MLMS: European French	Meridian Link Modular Server: European French	271	20
MLMS: German	Meridian Link Modular Server: German	272	20
MLMS: Italian	Meridian Link Modular Server: Italian	273	20
MLMS: Japanese	Meridian Link Modular Server: Japanese	274	20
MLMS: Korean	Meridian Link Modular Server: Korean	275	20
MLMS: Norwegian	Meridian Link Modular Server: Norwegian	276	20
MLMS: Russian	Meridian Link Modular Server: Russian	277	20
MLMS: European Spanish	Meridian Link Modular Server: European Spanish	278	20
MLMS: Latin Am. Spanish	Meridian Link Modular Server: Latin American Spanish	279	20
MLMS: Swedish	Meridian Link Modular Server: Swedish	280	20
MLWU	Multi-Language Wake Up	206	16
MPH	Meridian 1 Packet Handler	248	19
MPO	Multi-Party Operations	141	20
MQA	Multiple Queue Assignment	297	21
MR	PPM/Message Registration	101	10
MS_CONV	Multimedia Systems Convergence	408	4.50
MSB	Make Set Busy	17	1

Mnemonic	Feature Name	Number	Release
MSDL	Multipurpose Serial Data Link	222	18
MSDL SDI	MSDL Serial Data Interface	227	19
MSDL STA	MSDL Single Terminal Access	228	19
MSMN	Mobility Networking	370	25
MULTI_USER	Multi-User Login	242	19
MUS	Music	44	1
MUSBRD	Music Broadcast	328	23
MWC	Message Waiting Center	46	1
MWI	Message Waiting Indication Interworking with DMS	219	19
M911	Meridian 911	224	19
NACD	Network Automatic Call Distribution	207	15
NARS	Network Alternate Route Selection	58	1
NAS	Network Attendant Service	159	20
NAUT	Network Authorization Code	63	1
NCOS	Network Class Of Service	32	1
NFCR	New Flexible Code Restriction	49	2
NGCC	Nortel Symposium Call Center	311	22
NGEN	Next Generation Connectivity	324	22
NI2	North America National ISDN Class II Equipment	291	21
NI-2 CBC	NI-2 Call By Call Service Selection	334	23
NI-2 Name	NI-2 Name Display Supplementary Service	385	25.4
NMCE	NGenR2/Meridian Communications Exchange Connectivity	364	24
NMS	Network Message Services	175	16
NSC	Network Speed Call	39	2
NSIG	Network Signaling	37	2
NTRF	Network Traffic Measurements	29	1
NTWK	Advanced ISDN Network Services	148	13
NXFR	Network Call Transfer	67	3
OAS	Observe Agent Security	394	3.0
ODAS	Office Data Administration System	20	1
OHOL	On Hold On Loudspeaker	196	20
OHQ	Off-Hook Queuing	62	1
OOD	Optional Outpulsing Delay	79	5

Mnemonic	Feature Name	Number	Release
OPAO	Outpulsing, asterisk (*) and octothorpe (#)	104	
OPCB	Operator Call Back (China #1)	126	14
OPEN ALARM	Open Alarms	315	22
OPTF	Optional Features	1	1
ORC_RVQ	Remote Virtual Queueing	192	18
OVLP	Overlap Signaling (M1 to M1 and M1 to 1TR6 CO)	184	15
PAGENET	Call Page Networkwide	307	22
PAGT	Automatic Call Distribution, Priority Agent	116	12
PBXI	1.5 Mbit Digital Trunk Interface	75	5
PCA	Personal Call Assistant	398	3.0
PEMD	Pulsed E&M (Indonesia, French Colisée)	232	18
PHTN	Phantom TN	254	20
PLDN	Group Hunt/DN Access to SCL	120	15
PLUGIN	Plug-In	366	24
PMSI	Property Management System Interface	103	10
PONW	Priority Network Override	389	25.4
POVR	Priority Override/Forced Camp-On	186	20
PQUE	Network Priority Queuing	60	1
PRA	Primary Rate Access (CO)	146	13
PRI2	2.0 Mb/s Primary Rate Interface	154	14
PVQM	Proactive Voice Quality Management	401	4.0
PXLT	Pretranslation	92	8
QSIG	Q reference signaling point Interface	263	20
QSIG GF	QSIG Generic Functional protocol	305	22
QSIG SS	QSIG Supplementary service	316	22
RAN	Recorded Announcement	7	1
RANBRD	Recorded Announcement Broadcast	327	23
RCK	Ringing Change Key	193	15
REMOTE_IPE	Remote IPE	286	
RMS	Room Status	100	10
ROA	Recorded Overflow Announcement	36	2
RPA	Radio Paging	187	15
RUCM	Russian Call Monitoring	353	24
RVQ	Remote Virtual Queuing	192	18

Mnemonic	Feature Name	Number	Release
SACP	Semi-Automatic Camp-On	181	15
SAMM	Stand-alone Meridian Mail	262	20
SAR	Scheduled Access Restrictions	162	20
SBO	Branch Office	390	2.0
SCC	Tone Detector Special Common Carrier	66	7
SCDR	Station Activity Records	251	20
SCI	Station Category Indication	80	7
SCMP	Station Camp-On	121	20
SECL	Series Call	191	15
SIP	SIP Gateway and Converged Desktop	406	4.0
SLP	Station Loop Preemption	106	10
SMS	Short Message Service	346	24
SNR	Stored Number Redial	64	3
SOFTSWITCH	Soft Switch	402	4.0
SR	Set Relocation	53	1
SSAU	Station Specific Authorization Codes	229	19
SS5	500 Set Dial Access to Features	73	4
SS25	2500 Set Features	18	1
SSC	System Speed Call	34	2
STA	Single Term Access	228	19
STS	Set to Set Messaging	380	25
SUPP	International Supplementary Features	131	9
SUPV	Supervisory Attendant Console	93	8
SVCT	Supervisory Console Tones	189	20
SYS_MSG_LKUP	System Errors and Events Lookup	245	19
TAD	Time and Date	8	1
TATO	Trunk AntiTromboning	312	
TBAR	Trunk Barring	132	20
TDET	Tone Detector	65	7
TENS	Multiple-Tenant Service	86	7
TFM	Trunk Failure Monitor	182	15
THF	Trunk Hook Flash (Centrex)	157	14
TMON	Traffic Monitoring	168	

Mnemonic	Feature Name	Number	Release
TOF	Automatic Call Distribution, Timed Overflow Queuing	111	10
TSET	M3000 Digital Sets	89	7
TVS	Trunk Verification from Station	110	9.32
TWR1	Taiwan R1	347	24
UIGW	Universal ISDN Gateways	283	20
UK	United Kingdom	190	16
UUI	Call Center Transfer Connect	393	3.0
VAWU	VIP Auto Wake Up	212	17
VMBA	Voice Mailbox Administration	246	19
VIR_OFF_ENH	M3900 Phase III Virtual Office Enhancement	387	25.4
VIRTUAL_OFFICE	Virtual Office	382	25
VNS	Virtual Network Services	183	16
VO	Virtual Office	382	3.0
VOE	Virtual Office Enhancement	387	3.0
XCT0	M1 Enhanced Conference, TDS and MFS	204	15
XCT1	M1 Superloop Administration (LD 97)	205	15
XPE	Meridian 1 XPE	203	15
ZCAC	Zone Call Admission Control	407	4.50

Numerical list of packages

The following list is a comprehensive numerical list of available packages that can be equipped on Meridian 1and CS 1000 systems. For an alphabetical list of packages, “Alphabetical list of packages” on page 43.

Number	Mnemonic	Name
0	BASIC	Basic Call Processing
1	OPTF	Optional Features
2	CUST	Multi-Customer Operation
4	CDR	Call Detail Recording, Teletype Terminal
5	CTY	Call Detail Recording, Teletype Terminal
7	RAN	Recorded Announcement
8	TAD	Time and Date
9	DNDI	Do Not Disturb Individual
10	EES	End-to-End Signaling
11	INTR	Intercept Treatment
12	ANI	Automatic Number Identification
13	ANIR	Automatic Number Identification, Route Selection
14	BRTE	Basic Routing
16	DNDG	Do Not Disturb Group
17	MSB	Make Set Busy
18	SS25	Special Service for 2500 Sets
19	DDSP	Digit Display
20	ODAS	Office Data Administration System
21	DI	Dial Intercom
22	DISA	Direct Inward System Access
23	CHG	Charge Account for CDR
24	CAB	Charge Account/Authorization code

Number	Mnemonic	Name
25	BAUT	Basic Authorization code
26	CASM	Centralized Attendant Service (Main)
27	CASR	Centralized Attendant Service (Remote)
28	BQUE	Basic Queuing
29	NTRF	Network Traffic must have NWK packages.
32	NCOS	Network Class of Service
33	CPRK	Call Park
34	SSC	System Speed Call
35	IMS	Integrated Message Services. UST and UMG are part of the IMS package.
36	ROA	Recorded Overflow Announcement
37	NSIG	Network Signaling
38	MCBQ	Network Call Back Queuing
39	NSC	Network Speed Call
40	BACD	Basic Automatic Call Distribution
41	ACDB	Automatic Call Distribution, Package B
42	ACDC	Automatic Call Distribution, Package C
43	LMAN	Automatic Call Distribution, Load Management Reports
44	MUS	Music
45	ACDA	Automatic Call Distribution, Package A
46	MWC	Message Waiting Center
47	AAB	Automatic Answerback
48	GRP	Group call
49	NFCR	New Flexible Code Restriction
50	ACDD	Automatic Call Distribution, Package D
51	LNK	ACDD, Auxiliary Link Processor
52	FCA	Forced Charge Account
53	SR	Set Relocation
54	AA	Attendant Administration
55	HIST	History File
56	AOP	Attendant Overflow Position
57	BARS	Basic Alternate Route Selection
58	NARS	Network Alternate Route Selection
59	CDP	Coordinated Dialing Plan

Number	Mnemonic	Name
60	PQUE	Network Priority Queuing
61	FCBQ	Flexible Call Back Queuing
62	OHQ	Off-Hook Queuing
63	NAUT	Network Authorization code
64	SNR	Stored Number Redial
65	TDET	Tone Detector
66	SCC	Tone Detector Special Common Carrier
67	NXFR	Network Call Transfer
68	ATVN	Autovon
69	ACDR	ACD Queue Call Restore
70	HOT	Enhanced Hot Line
71	DHLD	Deluxe Hold
72	LSEL	Automatic Line Selection
73	SS5	500 Set Dial Access to Features
74	DRNG	Distinctive Ringing
75	PBXI	1.5 Mbit Digital Trunk Interface
76	DLDN	Departmental Listed Directory Number
77	CSL	Command Status Link
79	OOD	Optional Outpulsing Delay
80	SCI	Station Category Information
81	CCOS	Controlled Class of Service
83	CDRQ	ACD CDR Queue Record
84	ATM	Automatic Trunk Maintenance
86	TENS	Multi-Tenant Service
87	FTDS	Fast Tone and Digit Switch
88	DSET	M2000 Digital Sets
89	TSET	M3000 Digital Sets
90	LNR	Last Number Redial
91	DLT2	M2317 Digital Sets
92	PXLT	Pretranslation
93	SUPV	Supervisory Console
95	CPND	Calling Party Name Display
97	JPN	Japan Central Office Trunks
98	DNIS	Dialed Number Identification System

Number	Mnemonic	Name
99	BGD	Background Terminal
100	RMS	Room Status
101	MR	PPM / Message Registration
102	AWU	Automatic Wake Up
103	PMSI	Property Management System Interface
104	OPAO	Outpulsing, asterisk (*) and octothorpe (#)
105	LLC	Line Load Control
106	SLP	Station Loop Pre-emption
107	MCT	Malicious Call Trace
108	ICDR	Internal CDR
109	APL	Auxiliary Processor Link
110	TVS	Trunk Verification from Station
111	TOF	Automatic Call Distribution, Timed Overflow Queuing
112	NKL	Notification Key Lamps
113	IDC	Incoming Digit Conversion
114	AUXS	Automatic Call Distribution Package D, Auxiliary Security
115	DCP	Directed Call Pickup
116	PAGT	Automatic Call Distribution, Priority Agent
117	CBC	Call by Call Service
118	CCDR	Calling Line Identification in Call Detail Recording
119	EMUS	Enhanced Music
120	PLDN	Group Hunt/DN Access to SCL
121	SCMP	Station Camp-On
122	IDA	Integrated Digital Access. COMDT is part of IDA Package
123	DPNSS	Digital Private Network Signaling System 1
124	DASS2	Digital Access Signaling System 2
125	FTC	Flexible Tones and Cadences
126	OPCB	Operator Call Back (China #1)
127	BKI	Attendant Break-In/Trunk Offer
128	MFC	Multifrequency Compelled Signaling
129	DTI2	2 Mbit Digital Trunk Interface
131	SUPP	International Supplementary Features
132	TBAR	Trunk Barring
133	ENS	Enhanced Night Service

Number	Mnemonic	Name
134	AFNA	Attendant Forward No Answer
135	MFE	Multifrequency Signaling for Socotel
136	JDMI	Japan Digital Multiplex Interface
137	LSCM	Local Steering Code Modification
138	DTD	Dial Tone Detection
139	FFC	Flexible Feature Codes
140	DCON	M2250 Attendant Console
141	MPO	Multi-Party Operations
143	ICP	Intercept Computer Interface
144	ABCD	16-Button Digitone/Multifrequency Telephone
145	ISDN	Integrated Services Digital Network
146	PRA	Primary Rate Access (CO)
147	ISL	ISDN Signaling Link
148	NTWK	Advanced ISDN Network Services
149	IEC	Inter-Exchange Carrier
150	DNXP	DN Expansion (7 digit)
151	CDRE	CDR Expansion (7 digit)
152	FXS	Flexible Services Package
153	IAP3P	ISDN AP for 3rd Party Vendors
154	PRI2	2.0 Mb/s Primary Rate Interface
155	ACNT	Automatic Call Distribution, Account Code
157	THF	Trunk Hook Flash (Centrex)
158	FGD	Feature Group D
159	NAS	Network Attendant Service
160	FNP	Flexible Numbering Plan
161	ISDN INTL SUP	ISDN Supplementary Features
162	SAR	Scheduled Access Restrictions
163	MINT	Message Intercept
164	LAPW	Limited Access to Overlays
165	RPE2	2.0 Mb/s Remote Peripheral Equipment
166	HOSP	Hospitality Management
167	GPRI	International 1.5/2.0 Mb/s Gateway
168	TMON	Traffic Monitoring
169	COOP	Console Operations

Number	Mnemonic	Name
170	ARIE	Aries Digital Sets
171	JTDS	Japan Tone and Digit Switch
172	CPGS	Console Presentation Groups
173	ECCS	Enhanced Controlled Class of Service
174	AAA	Attendant Alternative Answering
175	NMS	Network Message Services
176	DTOT	DID To Tie (Japan only)
178	EOVF	ACD Enhanced Overflow
179	HVS	Meridian Hospitality Voice Service
180	DKS	Digit Key Signaling
181	SACP	Semi-Automatic Camp-On
182	TFM	Trunk Failure Monitor
183	VNS	Virtual Network Services
184	OVLP	Overlap Signaling (M1 to M1 and M1 to 1TR6 CO)
185	EDRG	Executive Distinctive Ringing
186	POVR	Priority Override/Forced Camp-On
187	RPA	Radio Paging
188	L1MF	X08 to X11 Gateway
189	SVCT	Supervisory Console Tones
190	UK	United Kingdom
191	SECL	Series Call
192	ORC_RVQ	Remote Virtual Queuing
193	RCK	Ringing Change Key
195	FAXS	HiMail Fax Server
196	OHOL	On-Hold On-Loudspeaker
197	FRTA	French Type Approval
198	FFCSF	Boss Secretary Filtering (FFC activation)
200	AINS	Automatic Installation
202	IPRA	International Primary Rate Access (CO)
203	XPE	Meridian 1 XPE
204	XCT0	M1 Enhanced Conference, TDS and MFS
205	XCT1	M1 Superloop Administration (LD 97)
206	MLWU	Multi Language Wake Up
207	NACD	Network Automatic Call Distribution

Number	Mnemonic	Name
208	HSE	Hospitality Screen Enhancement
209	MLM	Meridian Link Modular Server
210	MAID	Maid Identification
211	MLIO	Multi Language Input/Output
212	VAWU	VIP Automatic Wake Up
214	EAR	Enhanced ACD Routing
215	ECT	Enhanced Call Trace
216	BRI	Basic Rate Interface
218	IVR	Hold in queue for IVR
219	MWI	Message Waiting Indication Interworking with DMS
221	CIST	Commonwealth of Independent States -Trunk
222	MSDL	Multi-purpose Serial Data Link
223	FCC68	FCC Compliance for DID Answer Supervision
224	M911	Meridian 911
225	CWNT	Call Waiting Notification (Meridian 911)
227	MSDL SDI	MSDL Serial Data Interface
228	MSDL STA	Single Terminal Access
229	SSAU	Station Specific Authorization Codes
231	DNWK	DPNSS Network Services
232	PEMD	Pulsed E & M (Indonesia, French Colisée)
233	BRIT	ISDN BRI Trunk Access
234	FCDR	New Format CDR
235	BRIL	BRI line application
236	ACRL	AC15 Recall
240	MCMO	Meridian 1 Companion Option
242	MULTI_USER	Multi-User Login
243	ALRM_FILTER	Alarm Filtering
245	SYS_MSG_LKUP	System Errors and Events Lookup (Option 81C)
246	VMBA	Voice Mailbox Administration
247	CALL ID	Call ID (for AML applications)
248	MPH	Meridian1 Packet Handler
249	M911 EHN	M911 Enhancement Display
250	DPNA	Direct Private Network Access
251	SCDR	Station Activity Records

Number	Mnemonic	Name
252	KD3	Spanish KD3 DID/DOD interface
253	ARFW	Attendant Remote Call Forward
254	PHTN	Phantom TN
255	INBD	International nB+D
256	ADMINSET	Set Based Administration
257	EQA	Equal Access
258	ATX	Autodial Tandem Transfer
259	CDRX	Enhanced Call Detail Recording
261	EURO	EuroISDN
262	SAMM	Standalone Meridian Mail
263	QSIG	QSIG Interface
264	MLMS: Brazilian	Meridian Link Modular Server: Brazilian
265	MLMS: Chinese (PRC)	Meridian Link Modular Server: Chinese (PRC)
266	MLMS: Chinese (ROC)	Meridian Link Modular Server: Chinese (ROC)
267	MLMS: Dainish	Meridian Link Modular Server: Dainish
268	MLMS: Dutch	Meridian Link Modular Server: Dutch
269	MLMS: Finnish	Meridian Link Modular Server: Finnish
270	MLMS: Canadian French	Meridian Link Modular Server: Canadian French
271	MLMS: European French	Meridian Link Modular Server: European French
272	MLMS: German	Meridian Link Modular Server: German
273	MLMS: Italian	Meridian Link Modular Server: Italian
274	MLMS: Japanese	Meridian Link Modular Server: Japanese
275	MLMS: Korean	Meridian Link Modular Server: Korean
276	MLMS: Norwegian	Meridian Link Modular Server: Norwegian
277	MLMS: Russian	Meridian Link Modular Server: Russian
278	MLMS: European Spanish	Meridian Link Modular Server: European Spanish
279	MLMS: Latin Am. Spanish	Meridian Link Modular Server: Latin American Spanish
280	MLMS: Swedish	Meridian Link Modular Server: Swedish
283	UIGW	Universal ISDN Gateways
284	DPNSS 189I	Enhanced DPNSS1 Gateway
285	CHINA	China Attendant Monitor Package

Number	Mnemonic	Name
286	REMOTE_IPE	Remote IPE
288	DPNSS_ES	DPNSS Enhanced Services
289	ADSP	ACD Night Call Forward without Disconnect Supervision
290	CCB	Collect Call Blocking
291	NI2	North American National ISDN Class II Equipment
292	CHTL	China Toll Package
294	BTD	Busy Tone Detection
295	IPEX	IP Expansion
296	MAT	MAT 5.0
297	MQA	Multiple Queue Assignment
298	CPIO	Call Processor Input/Output (Option 81C)
299	CORENET	Core Network Module
301	CPP	Calling Party Privacy
304	ARDL	Automatic Redial
305	QSIG GF	QSIG Generic Functional protocol
306	CPRKNET	Call Park Networkwide
307	PAGENET	Call Page Networkwide
308	PTU	Preference Trunk Usage
309	MASTER	Euro ISDN Trunk - Network Side
310	CPCI	Called Party Control on Internal Calls
311	NGCC	Nortel Symposium Call Center
312	TATO	Trunk Anti Tromboning
313	ISPC	ISDN Semi-Permanent Connection
315	OPEN ALARM	Open Alarms
316	QSIG SS	QSIG Supplementary service
321	QTN	
323	ETSI_SS	Euro Supplementary service
324	NGEN	Next Generation Connectivity
325	DMWI	DPNSSI Message Waiting Indication
326	CISMFS	Commonwealth of Independent States Multifrequency Shuttle Signalling
327	RANBRD	Recorded Announcement Broadcast
328	MUSBRD	Music Broadcast
329	ESA	Emergency Services Access

Number	Mnemonic	Name
330	ESA_SUPP	Emergency Services Access Supplementary
331	ESA_CLMP	Emergency Services Access Calling Number Mapping
332	CNUMB	Calling Number Delivery
333	CNAME	Calling Name Delivery
334	NI-2 CBC	NI-2 Call By Call Service Selection
335	JTTC	Japan Telecommunication Technology Committee
344	GCM	General Call Monitoring
346	SMS	Short Message Service
347	TWR1	Taiwan R1
348	MEET	MCDN End to End Transparency
349	ACLI	Analog Calling Line Identification
350	MC32	Meridian Companion Enhanced Capacity
351	DBA	Data Buffering and Access
353	RUCM	Russian Call Monitoring
362	FDID	Flexible DID
364	NMCE	NGenR2/Meridian Communications Exchange Connectivity
365	FIBN	Fiber Network
366	PLUGIN	Plug-In
367	BNE	Business Network Express
368	CPP_CNI	CP Pentium Backplane for Intel Machine
370	MSMN	Mobility Networking
380	STS	Set to Set Messaging
381	CDIR	Corporate Directory
382	VIRTUAL_OFFICE	Virtual Office
384	ATAN	Attendant Announcement
385	NI-2 Name	NI-2 Name Display Supplementary Service
386	M3900_PROD_ENH	M3900 Phase III Productivity Enhancement
387	VIR_OFF_ENH	M3900 Phase III Virtual Office Enhancement
388	ACDE	ACD/CDN Expansion
389	PONW	Priority Network Override
390	SBO	Branch Office
393	UUI	Call Center Transfer Connect
394	OAS	Observe Agent Security
395	MED_LANG	M3904 Mediterranean Language group

Number	Mnemonic	Name
396	M3900_RGA_PROG	M3900 Ring Again
397	ICON_PACKAGE	M3900 Full Icon Support
398	PCA	Personal Call Assistant
399	H323_VTRK	H.323 Virtual Trunk
400	LOCX	Location Code Expansion
401	PVQM	Proactive Voice Quality Management
402	SOFTSWITCH	Soft Switch
403	IPMG	IP Media Gateway
404	GRPRIM	Geographic Redundancy Primary system
405	GRSEC	Geographic Redundancy Secondary system
406	SIP	SIP Gateway and Converged Desktop
407	ZCAC	Call Admission Control
408	MS_CONV	Multimedia Systems Convergence

LD 02: Traffic

Basic commands

Command	Description
ASUM	Print Alarm/Exception summary
ASUM A	Print all the alarms that have at least one occurrence
ASUM E	Print all the alarms that have escalated
BWTM	Set the date and time for the clock to move backward
CITM	Clear Individual Traffic Measurement from TNs
COPC C R R	Clear one or more customer report types
COPN C R R	Clear one or more network report types
COPS R R	Clear one or more system report types
FWTM	Set the date and time for the clock to move forward
IDLT 0	No title is printed unless further data is also printed
IDLT 1	The title is always printed
INVC C R R ...	Print one or more of the last customer reports
INVN C R R ...	Print one or more of the last network reports
INVS R R ...	Print one or more of last system reports
ITHC C TH	Perform threshold tests on customer reports
ITHS TH	Perform threshold tests on system reports
SCFT C	Set the customer to be measured for feature key usage
SCTL X	Set blocking probability
SDTA X X Y	Set the time of day adjustment
SDST	Enable or disable the automatic daylight savings time adjustment

Command	Description
SITM	Set Individual Traffic Measurement on terminals
SLLC X	Activate Line Load Control at Level X
SOPC C R R	Set one or more customer report types
SOPN C R R	Set one or more network report types
SOPS R R	Set one or more system report types
SSHC C	Set customer report schedule
SSHS	Set system report schedule
SSID SID	Change the system ID number
STAD	Set the time and date
STHC C TH TV	Set the customer thresholds
STHS TH TV	Set the system thresholds
TCFT	Print current customer being measured for feature key usage
TDST	Query the daylight savings time adjustment information
TDTA X	Print the current time of day adjustment
TITM	Print the current TNs with Individual Traffic Measurement set
TLLC	Print current LLC level and blocking probability
TOPC C	Print the current customer report types
TOPN C	Print the current network report types
TOPS	Print the current system report types
TSHC C	Print current customer report schedule
TSHS	Print current system report schedule
TSID	Print the current system ID number
TTAD	Print the current time and date
TTHC C TH	Print the current customer thresholds
TTHS TH	Print the current system thresholds

How to use traffic commands

The Traffic Control program is used to set traffic options, system ID, date and time. The conventions used to describe the traffic commands are:

- data entered by the user is shown in upper case, data output by the system is shown in lower case
- a period (.) prompt indicates that the system is ready to receive a new command
- a double dash (--) indicates that the system is ready to receive data
- a <CR> indicates that the return key should be pressed

Note: The message TFC000 output on your switch indicates that the traffic program is running.

Set traffic report schedules

To print current customer report schedule:

TSHC C sd sm ed em
sh eh so
d d ...

To print current system report schedule:

TSHS sd sm ed em
sh eh so
d d ...

To set customer report schedule:

SSHC C sd sm ed em -- SD SM ED EM
sh eh so -- SH EH SO
d d ... -- D D ...<CR>

To set system report schedule:
SSHS sd sm ed em -- SD SM ED EM

sh eh so -- SH EH SO
d d ... -- D D ...<CR>

Legend

C = customer number

D = day of the week:

1 = Sunday
2 = Monday
3 = Tuesday
4 = Wednesday
5 = Thursday
6 = Friday
7 = Saturday

ED = end day (1-31)

EH = end hour (0-23)

EM = end month (1-12)

SD = start day (1-31)

SH = start hour (0-23)

SM = start month (1-12)

SO = schedule options:

0 = no traffic scheduled
1 = hourly on the hour
2 = hourly on the half-hour
3 = every half-hour

Example

To change the system reports schedule:

SSHS 25 4 16 7 -- 1 10 1 12
12 21 2 -- 0 23 1
2 3 4 5 6 -- 1 7<CR>

Old schedule

start time: April 25 at 12 noon
end time: July 16 at 9 P.M.

frequency: hourly on the half-hour (SO = 2)
days of the week: Monday to Friday

New schedule

start time: October 1 at 12 midnight
end time: December 1 at 11 P.M.
frequency: hourly on the hour (SO = 1)
days of the week: Sunday and Saturday

Note 1: In order to obtain traffic reports at the scheduled intervals, the output device must have prompt USER = TRF in (LD 17). If TRF is not defined for any device, reports are still generated to allow the printing of the last reports.

Note 2: Half hour start and end times are not possible.

Set system ID

Each Meridian 1 system has a unique system ID number (SID) selected from 0000 to 9999. The 4-digit ID number can be printed or set by the following commands.

To print the current SID: TSID sid

To change the SID: SSID sid -- SID

System reports

To print the current report types: TOPS r r ...

To set one or more report types: SOPS r r ... -- R R ...<CR>

To clear one or more report types: COPS r r ... -- R R ...<CR>

Legend

R is traffic report type:

1 = networks
2 = service loops
3 = dial tone delay
4 = processor load
5 = selected terminals
7 = junctor group traffic
8 = CSL and ISDN/AP links
9 = D-channel
10 = ISDN GF Transport
11 = MISP and EIMC traffic
12 = MISP D-channel management
13 = MISP messaging
14 = ISDN BRI trunk DSL system report
15 = MPH traffic
16 = IP Phone Zone traffic report

Note 1: To use the print command enter a space (not a carriage return) after the customer number.

Note 2: If no reports are currently set, NIL is output by the system.

Customer reports

To print the current report types: TOPC C r r ...

To set one or more report types: SOPC C r r ... -- R R ....<CR>

To clear one or more report types: COPC C r r ... -- R R ....<CR>

Legend

C = customer number

R is traffic report type:

1 = networks
2 = trunks
3 = customer console measurements
4 = individual console measurement
5 = feature key usage
6 = Radio Paging
7 = Call Park
8 = messaging and auxiliary processor links
9 = Network Attendant Service
10 = ISPC links establishment
11 = usage of broadcasting routes

Note 1: To use the print command enter a space (not a carriage return) after the customer number.

Note 2: If no reports are currently set, NIL is output by the system. For report 5, see “Set customer for feature key usage measurement”.

Network reports

To print the current report types: TOPN C r r ...

To set one or more report types: SOPN C r r ... -- R R ....<CR>

To clear one or more report types: COPN C r r ... -- R R ....<CR>

Legend

C = customer number

R is traffic report type:

1 = route list measurements
2 = network class of service measurements
3 = incoming trunk group measurements

Note 1: To use the print command enter a space (not a carriage return) after the customer number.

Note 2: If no reports are currently set, NIL is output by the system.

Set customer for feature key usage measurement

To print current customer being measured: TCFT c

To set the customer to be measured: SCFT c -- C

Note: Where C is the customer number. Only one customer can have feature measurement set at a time.

Stop printing of title, date and time

It is possible to suppress the printing of the title (TFS000), date and time in cases where traffic measurement is scheduled but no other data is printed. The command format is:

IDLT 0,1

0 = no title is printed unless further data is also printed
1 = the title is always printed

Set traffic measurement on selected terminals

These commands are used to print, set and clear the Individual Traffic Measurement (ITM) class of service for given terminal numbers for traffic report TFS005. Telephones, trunks and DTI channels can have this class of service. Terminals with ITM set are included in the groups for which Line Traffic Measurements are recorded.

Note: Do not use these commands on superloops or octal density cards (NT8D02, NT8D03, NT8D09, NT8D14, or NT8D16).

To print the current TNs with ITM set: TITM

Example

TITM
shelf 4 0 (all units on loop 4 shelf 0 have ITM set)
loop 5 (all units on loop 5 have ITM set)
tn 11 3 4 1 (unit on TN 11 3 4 1 has ITM set)
card 13 2 1 (all units on card 13 2 1 has ITM set)
chnl 34 18 (loop 34 channel 18 has ITM set)

To set ITM on terminals: SITM

Example

SITM (prints current settings)
shelf 4 1 (current settings)

loop 05 (all units on loop 5 have ITM set)
tn 11 3 4 1 (unit on TN 11 3 4 1 has ITM set)
card 13 2 1(all units on card 13 2 1 has ITM set)
chnl 34 18(only loop 34 channel 18 has ITM set)
-- 7 (set ITM on all units on this loop)
-- 6 1(set ITM on all units this shelf, or on channel 1)
-- 8 1 1(set ITM on all units on this card)
-- 8 1 1 1(set ITM on this unit)
-- 30 18(set ITM on this loop 30 channel 18)
-- <CR>(stop "--" prompt)

To clear line traffic TNs: CITM (the ITM class of service is removed from all units)

Example

CITM (print current settings)
shelf 4 1 (all units on loop 4 shelf 1 have ITM set)
loop 05 (all units on loop 5 have ITM set)
tn 11 3 4 1(unit on TN 11 3 4 1 has ITM set)
card 19 1 1(all units on card 13 2 1 has ITM set)
chnl 34 18 (only loop 34 channel 18 has ITM set)
-- 4 1(clear ITM on all units on this loop 4 shelf 1)
-- 5 (clear ITM on all units on this loop)
-- 11 3 4 1(clear ITM on this unit)
-- 19 1 1(clear ITM on all units on this card)
-- 34 18(clear ITM on this loop 34 channel 18)
-- <CR>(stop "--" prompt)

To clear line traffic TNs: CITM (the ITM class of service is removed from all units)

Set blocking probability for Line Load Control (LLC)

To print current LLC level and blocking probability: TLLC

To set blocking probability: SCTL **X** aaa

To activate Line Load Control at level **X**: SLLC **X**

Legend
x = F, S or T (for LLC level F, S, or T)
aaa = blocking probability in %

Set time and date

To print the current time and date:
TTAD day-of-week day month year hour minute second

Example

TTAD WED 24 11 1976 15 41 49

To set the time and date:
STAD DAY MONTH YEAR HOUR MINUTE SECOND

Example

STAD 24 11 1976 15 41 49

Note: Except for the year, the other entries in the time of day output are 2-digit numbers. The year may be any year from 1901 to 2099 inclusive. It may be input as a full 4-digit field or as a 2-digit short form. The 2-digit short form is assumed to be in the range 1976 to 2075 and the appropriate addition is made when calculating the day-of-week and leap years.

Set daily time adjustment

The time of day can be adjusted during the midnight routines to compensate for a fast or slow system clock.

To print the current adjustment: TDTA **X** y

To set the adjustment: SDTA **X** y -- **X** Y

Legend

x = 0 (negative increment) or 1 (positive increment)
y = 0-25 second adjustment in increments of 100 ms

Set and print Daylight Savings Time

The daylight savings time adjustment can be programmed to take place automatically. You can set the date to change to daylight savings, and to return to standard time. This information can be queried at any time.

The following commands are accepted by this program for this capability. The system clock MUST ALREADY be set for the daylight savings time to be updated. This information survives sysload:

- FWTM = Set the date and time for the clock to move forward.
- BWTM = Set the date and time for the clock to move backward.
- SDST = Enable or disable the automatic change.
- TDST = Query the change information.

To implement these commands, use the following:

- FWTM <month> <week> <day> <hour>

  month = 1-(4)-12 [January-December]
  week = (1)-5, L [1st-5th, L is the last week of the month]
  day = (1)-7 [Sunday-Saturday]
  hour = 1-(2)-22 [Midnight-11:00 pm]

- BWTM <month> <week> <day> <hour>

  month = 1-(10)-12 [January-December]
  week = (1)-5, L [1st-5th, L is the last week of the month]
  day = (1)-7 [Sunday-Saturday]
  hour = 1-(2)-22 [Midnight-11:00 pm]

- SDST ON, (OFF)

  ON enables the automatic change capability
  OFF disables the automatic change capability

- TDST <CR>

  The output reflects the input format to indicate the change information.

Set thresholds

To print the current system thresholds: TTHS TH tv

To set the system thresholds: STHS TH tv -- TV

The system thresholds (TH) and range of values (TV) are:

1 = dial tone speed (range 0.00% to 99.9%)
2 = loop traffic (range 000 to 999 CCS)
3 = junctor group traffic (range 0000 to 9999 CCS)
4 = superloop traffic (range 0000 to 9999 CCS)
5 = zone bandwidth (range 000 to 999)

To print the current customer thresholds: TTHC C TH tv

To set the customer thresholds: STHC C TH tv -- TV

Legend

The thresholds (TC) and range of values (TV) for customer C are:

1 = incoming matching loss (TV range 00.0% to 99.9%)
2 = outgoing matching loss (TV range 00.0% to 99.9%)
3 = average Speed of Answer (TV range 00.0 to 99.9 seconds)

4 = percent All Trunks Busy (TV range 00.0% to 99.9%)
5 = percent OHQ Overflow (TV range 00.0% to 99.9%)

Perform threshold tests on last reports

To perform threshold tests on customer reports: ITHC C TH

Legend

C = customer number

TH is the threshold type:

1 = incoming matching loss
2 = outgoing matching loss
3 = average speed of answer
4 = percent all trunks busy
5 = percent OHQ overflow

To perform threshold tests on system reports: ITHS TH

Legend

TH is the threshold type:

1 = dial tone speed
2 = loop traffic
3 = junctor group traffic
4 = superloop traffic

Note: When a threshold test passes, OK is output.

Print last reports

The last traffic reports can be printed or tested against threshold values. Data accumulating for the next reports is not accessible.

To print one or more of the last customer reports: INVC C R R ...

Legend

C = customer number

R is traffic report type:

1 = networks
2 = trunks
3 = customer console measurements
4 = individual console measurement
5 = feature key usage
6 = Radio Paging
7 = Call Park
8 = messaging and auxiliary processor links
9 = Network Attendant Service
10 = ISPC links establishment
11 = usage of broadcasting routes

To print one or more of the last network reports: INVN C R R ...

Legend

C = customer number

R is traffic report type:

1 = route list measurements
2 = network class of service measurements
3 = incoming trunk group measurements

To print one or more of last system reports: INVS R R ...

Legend

R is traffic report type:

1 = networks (per loop)
2 = services
3 = dial tone delay
4 = processor load
5 = selected terminals
7 = junctor group traffic
8 = CSL and ISDN/AP links
9 = D-channel
10 = ISDN GF Transport
11 = MISP traffic
12 = MISP D-channel management
13 = MISP messaging
14 = ISDN BRI trunk DSL system report
15 = MPH traffic
16 = IP Phone Zone traffic report

Print alarm and exception filter summary

Alarms status summaries can be printed by this overlay. The alarms printed by this overlay are discussed in the *System Management* (553-3001-300).

Enter any of the following commands at the dot (.) prompt.

Command	Description	Release
ASUM	Print Alarm/Exception summary	alrm_filter-19
ASUM A	Print all the alarms that have at least one occurrence	alrm_filter-21
ASUM E	Print all the alarms that have escalated	alrm_filter-21

LD 10: Analog (500/2500) Telephone Administration

This Overlay program allows data blocks for the 500/2500, DTMF type telephones and Displayphone 1000/220 to be created or modified.

When the Overlay is loaded the available system memory, disk records and system configuration limits are output in a header as follows:

>ld 10

PBX000
MEM AVAIL: (U/P): xxxxxx USED U P: xxxxxx xxxxxx TOT: xxxxxx
DISK RECS AVAIL: xxx
TNS AVAIL: xxx USED: xxx TOT: xxx
ACD AGENTS AVAIL: xxx USED: xxx TOT: xxx
ANALOGUE TELEPHONES AVAIL: xxx USED: xxx TOT: xxx
AST AVAIL: xxx USED: xxx TOT: xxx
ANALOGUE TELEPHONES AVAIL : xxxxUSED: xx TOT: xxxx
AST AVAIL: xxxxUSED: XX TOT: xxxx
WIRELESS TELEPHONES AVAIL: xxxx USED: xx TOT: xxxx
WIRELESS VISITORS AVAIL: xxxx USED: xx TOT: xxxx
CLASS TELEPHONES AVAIL: xxxx USED: xx TOT: xxxx
DATA PORTS AVAIL: xxxx USED: xx TOT: xxxx
PHANTOM PORTS AVAIL: xxxx USED: xx TOT: xxxx

If a License limit is set to the maximum value 32767, then the information for that License will not be printed. This does not apply for the TNs License.

The Group Hunt/DN Access to SCL (PLDN) package 120 allows an asterisk (*) or double asterisk(**) as a valid input to a number of prompts. Usually the asterisk will be part of a dialed number. Without this package, for example,

inputting one asterisk will cause the system to reissue the last prompt, and two asterisks will cause a restart of the Overlay at REQ.

Linked Overlay programs

Overlay programs 10, 11, 20 and 32 are linked thus eliminating the need to exit one Overlay and enter another. Once one of the above Overlays has been loaded it is possible to add, print and get the status of a phone without having to exit one Overlay and load another.

The input processing has also been enhanced. Prompts ending with a colon (:) allow the user to enter either:

1 a question mark (?) followed by a carriage return (<CR>) to get a list of valid responses to that prompt or

2 an abbreviated response. The system then responds with the nearest match. If there is more than one possible match the system responds with SCH0099 and the input followed by a question mark and a list of possible responses. The user can then enter the valid response.

Prompts and responses

Contents

Prompt	Response	Comment
REQ:	a...a	Request (REQ responses begin on page 117)
DMC	l s c	DECT Mobility Controller Location
TYPE:	a...a	Type of data block (TYPE responses begin on page 123)
MODL	1-127	Model number for Small Systems, CS 1000S, MG 1000B, and MG 1000T
CFTN	l s c u	Copy From Terminal Number (l s c u ranges are defined on page 121)
SFMT	a...a	Select format for copy command (a...a = TNDN, TN, DN, or AUTO)
TN	l s c u	Terminal Number (l s c u ranges are defined on page 121)
DELETE_VMB	(YES) NO	Delete Voice Mailbox
ECHG	(NO) YES	Easy Change
- ITEM	aaaa yyy	Item (aaaa = Program mnemonic; yyy = its new value)
TOTN	l s c u	To Terminal Number (l s c u ranges are defined on page 121)
CDEN	aa	Card Density (aa = SD, DD, 4D, or 8D)
DES	d...d	Office Data Administration System Station Designator

CUST	xx	Customer number associated with this phone
WRLS	(NO) YES	TN corresponds to a portable personal telephone
- WTYP	aaaa	Meridian Companion Mobility Option
- MWUN	(16) 32	Maximum number of Wireless Units
- DMC	l s c	DECT Mobility Controller Location
- INDX	0-509	DECT Mobility Controller index to map hand set to Virtual TN
- VSIT	(NO) YES	Visiting DECT Handset 4060
- HMDN	x..x	Home Directory Number
DIG	0-2045 0-99	Dial Intercom Group number and Member number
DN	x..x yyyy	Directory Number and CLID table entry (Range is (0)-value entered for SIZE prompt in LD 15 minus one)
- MARP	(NO) YES	Multiple Appearance Redirection Prime
- - CPND_LANG	aaa	Calling Party Name Display Language (aa = (ROM) or KAT)
- - NAME	aaaa,bbbb	Calling Party Name Display Name
- - XPLN	xx	Expected name length
- DISPLAY_FMT	aaaa,bbbb	Display Format for Calling Party Name Display
- VMB	aaa	Voice Mailbox (aaa = NEW, CHG, or OUT)
- - VMB_COS	0-127	Voice Mailbox Class Of Service
- - SECOND_DN	x...x	Second DN sharing the Voice Mailbox
- - THIRD_DN	x...x	Third DN sharing the Voice Mailbox
- - KEEP_MSGS	(NO) YES	Preserve Meridian Mail messages and current password
- ANIE	(0)-n	Automatic Number Identification Entry
AST	(NO) YES	Associate Set assignment
IAPG	(0)-15	Meridian Link Unsolicited Status Message (USM) group
HUNT	x...x	Hunt DN of the next station in the Hunt chain
TGAR	xx	Trunk Group Access Restriction
LDN	a...a	Departmental Listed DN (a...a = (NO), 0-3, or 0-5)
NCOS	(0)-99	Network Class Of Service group number
RNPG	(0)-4095	Ringing Number Pickup Group
XLST	(0)-254	Pretranslation group with which this station is associated
SCPW	xxxx	Station Control Password
SGRP	(0)-999	Scheduled Access Restriction group number
CRCS	0-7	Code Restriction Block
ELKP	x...x	Electronic Lock Password
SFLT	a...a	Secretarial Filtering (a...a = (NO), BOSS, or SEC)
- SFDN	xxxx	Secretarial Forwarding DN of secretary set
CAC	(0)-10	Category Code for outgoing CNI of MFC trunks

CAC_CIS	0-(3)-9	CIS ANI Category Code
CAC_MFC	(0)-10	MFC CNI Category Code
CLS	a...a	Class of Service options (CLS responses begin on page 95)
MAUT	(NO) YES	Modify assigned authorization codes for this telephone
- SPWD	xxxx	Secure data password
- AUTH	n xxxx	Authorization code
RCO	(0)-2	Ringing cycle option for Call Forward No Answer
DCLP	0-159	Dealer Conference Loop
ICT	0-<NIPN>	Intercept Computer Terminal or printer number
LNRS	4-(16)-31	Last Number Redial Size
TEN	1-51	Tenant Number
OHID	(0)-9	Off-Hook Alarm Security DN Index defined in LD 15
HDID	(0)-9	Off-Hook Alarm Security Half Disconnect Index defined in LD 15
PLEV	0-(2)-7	Priority Level
SCI	(0)-7	Station Category Indication priority level
FCAR	(NO) YES	Forced Charge Account Restriction
MLWU_LANG	(0)-5	Language choice for Automatic Wake Up service
PLEV	0-(2)-7	Priority Level
SPID	x...x	Supervisor Position ID
PRI	(1)-48	Priority level for ACD Agent
AACD	(NO) YES	AST ACD telephone
ARTO	(0)-3	Alternate Redirection Time Option for call redirection
ADAY	(0)-3	Alternate Days as defined in LD 15
AHOL	(0)-3	Alternate Redirection Holiday as defined in LD 15
FTR	a...a x...x	Feature name and related data (FTR responses begin on page 108)
TIMP	xxx	Termination Impedance for XOPS unit (xxx = (600) or 900)
BIMP	a...a	Balance Impedance for XOPS unit (a...a = 600, 900, 3COM, or 3CM2)

Prompts and responses by task

Add a telephone

Prompt	Response	Comment
REQ:	NEW	
TYPE:	a...a	Type of data block (TYPE responses begin on page 123)
MODL	1-127	Model number for Small Systems, CS 1000S, MG 1000B, and MG 1000T
TN	l s c u	Terminal Number (l s c u ranges are defined for TN on page 121)
CDEN	aa	Card Density (aa = SD, DD, 4D, or 8D)
DES	d...d	Office Data Administration System Station Designator
CUST	xx	Customer number associated with this phone
WRLS	(NO) YES	TN corresponds to a portable personal telephone
- WTYP	aaaa	Meridian Companion Mobility Option
- MWUN	(16) 32	Maximum number of Wireless Units
- DMC	l s c	DECT Mobility Controller Location
- INDX	0-509	DECT Mobility Controller index to map hand set to Virtual TN
- VSIT	(NO) YES	Visiting DECT Handset 4060
- HMDN	x..x	Home Directory Number
DIG	0-2045 0-99	Dial Intercom Group number and Member number
DN	x..x yyyy	Directory Number and CLID table entry (Range is (0)-value entered for SIZE prompt in LD 15 minus one)
- MARP	(NO) YES	Multiple Appearance Redirection Prime
- CPND	aaa	Calling Party Name Display
- - CPND_LAN	aaa	Calling Party Name Display Language (aaa = (ROM) or KAT)
- - NAME	aaaa,bbbb	Calling Party Name Display Name
- - XPLN	xx	Expected name length
- DISPLAY_FMT	aaaa,bbbb	Display Format for Calling Party Name Display
- VMB	aaa	Voice Mailbox (aaa = NEW, CHG or OUT)
- - VMB_COS	0-127	Voice Mailbox Class Of Service
- - SECOND_DN	x...x	Second DN sharing the Voice Mailbox
- - THIRD_DN	x...x	Third DN sharing the Voice Mailbox

- - KEEP_MSGS	(NO) YES	Preserve Meridian Mail messages and current password
- ANIE	(0)-n	Automatic Number Identification Entry
AST	(NO) YES	Associate Set assignment
IAPG	(0)-15	Meridian Link Unsolicited Status Message (USM) group
HUNT	x...x	Hunt DN of the next station in the Hunt chain
TGAR	xx	Trunk Group Access Restriction
LDN	aaa	Departmental Listed DN (aaa = (NO), 0-3, or 0-5)
NCOS	(0)-99	Network Class of Service group number
RNPG	(0)-4095	Ringing Number Pickup Group
XLST	(0)-254	Pretranslation group with which this station is associated
SCPW	xxxx	Station Control Password
SGRP	(0)-999	Scheduled Access Restriction Group number
CRCS	0-7	Code Restriction Block
ELKP	x...x	Electronic Lock Password
SFLT	aaa	Secretarial Filtering (aaa = (NO), BOSS, or SEC)
- SFDN	xxxx	Secretarial Forwarding DN of secretary set
CAC	(0)-10	Category Code for outgoing CNI of MFC trunks
CAC_CIS	0-(3)-9	CIS ANI Category Code
CAC_MFC	(0)-10	MFC CNI Category Code
CLS	a...a	Class of Service options (CLS options begin on page 95)
CSDN	x..x	Converged Service Directory Number Converged Desktop Service Control Directory Number (CDN) configured in LD 23. CSDN is only prompted if CLS is defined as CDMV or CDMO. NULL response is not accepted.
MAUT	(NO) YES	Modify assigned authorization codes for this telephone
- SPWD	xxxx	Secure Data Password
- AUTH	n xxxx	Authorization code
RCO	(0)-2	Ringing Cycle Option for Call Forward No Answer
DCLP	0-159	Dealer Conference Loop
ICT	0-<NIPN>	Intercept Computer Terminal or printer number
LNRS	4-(16)-31	Last Number Redial Size
TEN	1-51	Tenant Number
OHID	(0)-9	Off-Hook Alarm Security DN Index defined in LD 15
HDID	(0)-9	Off-Hook Alarm Security Half Disconnect Index defined in LD 15

SCI	(0)-7	Station Category Indication priority level
FCAR	(NO) YES	Forced Charge Account Restriction
MLWU_LANG	(0)-5	Language choice for Automatic Wake Up service
PLEV	0-(2)-7	Priority Level
SPID	x...x	Supervisor Position ID
PRI	(1)-48	Priority level for ACD Agent
AACD	(NO) YES	AST ACD telephone
ARTO	(0)-3	Alternate Redirection Time Option for call redirection
ADAY	(0)-3	Alternate Days as defined in LD 15
AHOL	(0)-3	Alternate Redirection Holiday as defined in LD 15
FTR	a...a x...x	Feature name and related data (FTR options begin on page 108)
TIMP	xxx	Termination Impedance for XOPS unit (xxx = (600) or 900)
BIMP	a...a	Balance Impedance for XOPS unit (a...a = 600, 900, 3COM, or 3CM2)

Copy a set

Prompt	Response	Comment
REQ:	CPY 1-32	Request = CPY x
TYPE:	a...a	Type of data block
CFTN	l s c u	Copy from Terminal Number (l s c u ranges are defined on page 121)
SFMT	aaaa	Select Format. You may respond to SFMT with: AUTO, TNDN, TN or DN. Subprompts follow each of these responses as follows:
	AUTO	The system provides the new TNs, DNs and ACD position ID for ACD telephones are provided by the system.
- TN	l s c u	TN of new set (l s c u ranges are defined on page 121)
- DN	x..x yyyy	Directory Number and CLID table entry (Range is (0)-value entered for SIZE prompt in LD 15 minus one)
- POS	xxxx	ACD position ID
	TNDN	Manual selection of TNs, DNs and ACD position IDs for ACD telephones. TN, DN and are prompted -n- times as defined by the CPY command.
- TN	l s c u	TN of new set (l s c u ranges are defined on page 121)
- DN	x..x yyyy	Directory Number and CLID table entry (Range is (0)-value entered for SIZE prompt in LD 15 minus one)

- POS	xxxx	ACD position ID
	TN	New DNs and ACD position IDs for ACD telephones are provided by the system. TN is prompted -n- times as defined in the CPY command.
- DN	x..x yyyy	Directory Number and CLID table entry (Range is (0)-value entered for SIZE prompt in LD 15 minus one)
- POS	xxxx	ACD position ID
- TN	l s c u	TN of new set (l s c u ranges are defined on page 121)
	DN	The new TNs are provided by the system. You are prompted for the starting TN and each DN and ACD position ID for ACD telephones. DN and/or POS are prompted n times as defined in the CPY command.
- TN	l s c u	TN of new set (l s c u ranges are defined on page 121)
- DN	x..x yyyy	Directory Number and CLID table entry (Range is (0)-value entered for SIZE prompt in LD 15 minus one)
- POS	xxxx	ACD position ID

Easy change

Prompt	Response	Comment
REQ:	CHG	Request = CHG
TYPE:	a...a	Type of data block
MODL	1-127	Model number for Small Systems, CS 1000S, MG 1000B, and MG 1000T
TN	l s c u	Terminal Number (l s c u ranges are defined on page 121)
ECHG	YES	Easy Change
ITEM	aaaa yyy	Item (aaaa = Program mnemonic; yyy = its new value)

Remove a telephone

When removing more than one telephone at a time, you are prompted for the starting TN. The next consecutive assigned TNs are removed.

Prompt	Response	Comment
REQ:	OUT 1-32	Request = OUT x
TYPE:	a...a	Type of data block
TN	l s c u	Terminal Number (l s c u ranges are defined on page 121)
DELETE_VMB	(YES) NO	Delete Voice Mailbox

Move a telephone

Telephones with mixed directory numbers can only be moved to a TN on the same loop unless the prompt MLDN = YES in LD 17.

Prompt	Response	Comment
REQ:	MOV	Request = MOV
TYPE:	a...a	Type of data block
TN	l s c u	Terminal Number (l s c u ranges are defined on page 121)
TOTN	l s c u	To Terminal Number (l s c u ranges are defined on page 122)

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
AACD	(NO) YES	Associate set (AST) ACD telephone	ism-17
ADAY	(0)-3	Alternate Days as defined in LD 15 Prompted if CLS = RBDA	basic-24
AHOL	(0)-3	Alternate Redirection Holiday as defined in LD 15 Prompted if CLS = RBHA	basic-24
ANIE	(0)-n	ANI Entry: it is of (0)-N where N=S_SIZE in customer data block. If ANIE=0, no entry is associated with the set. The old mechanism will be used for building the ANI message. If ANIE is of 1-N: • If ANIC = YES for the outgoing CIS route where the call takes place, then the components of the ANI message are retrieved from the ANI entry in Customer Data Block, if configured. • If the given ANI Entry is not configured, or if ANIC = NO for the outgoing CIS route where the call takes place, then the old mechanism is used for building the ANI message.	cist-24
ARTO	(0)-3	Alternate Redirection Time Option for call redirection, defined in the customer data block. Prompted if CLS = RTDA.	basic-22
AST	(NO) YES	Associate Set assignment For sets associated with ISDN Applications Protocol features.	iap3-12
AUTH	n xxxx	Authorization code. Where: • n = number (1-6) of assigned authorization code • xxxx = assigned authorization code (Any customer authorization code assigned in LD 88 is valid.) AUTH is prompted when CLS = AUTR (Class of Service = Authorization code required).	ssau-19

Prompt	Response	Comment	Pack/Rel
BIMP		Balance Impedance for Enhanced Off-Premise Station (XOPS) unit	basic-20
	600	600 ohms. This is the default, except when CLS = OPS.	
	900	900 ohms	
	3COM	3 component	
	3CM2	3 component 2. This is the default if CLS = OPS.	
CAC		Category code	mfc-14
	(0)-10	Category Code range for outgoing CNI of MFC trunks when Multifrequency Compelled Signaling (MFC) package 128 is equipped.	
	0-(3)-9	Category Code for CIS ANI when Commonwealth of Independent States (CIST) package 211 is equipped.	cist-21
CAC_CIS	0-(3)-9	CIS ANI Category Access Code	cist-24
CAC_MFC	(0)-10	MFC CNI Category Access Code	cist-24
CDEN	SD	Single Density Card	basic-7
	DD	Double Density Card	
	4D	Quadruple Density Card	
	8D	Octal Density Card	
		XOPS cards are configured as DD on superloops or Small Systems, CS 1000S, MG 1000B, and MG 1000T.	
		If REQ=NEW and the loop is a superloop, the default is 4D. If REQ=NEW and the XOPS card is to be configured on the loop, set CDEN to DD. If REQ=CHG, the card density is not changed.	
		Note: If a QPC192 (off-premises extension) card is configured in superloop, then the response for CDEN should be Quadruple Density.	
CFTN		Copy From Terminal Number. Prompted if REQ = CPY.	basic-12
	l s c u	For Large System	
		For CS 1000E	basic-4.0
	c u	For Small System	basic-16
		For CS 1000S, MG 1000B, MG 1000T	basic-4.0
		Use this TN as a template for the new sets. Associate set (AST) assignments are not copied to the new telephones.	

Prompt	Response	Comment	Pack/Rel
CLS	CLS	Class of Service options	basic-1
		The following CLS assignments determine the calling options and features available to an analog telephone. Defaults are shown in parentheses. Enter each non-default option required, separated by a space.	
		Access Restrictions	basic-1
	(CTD)	Conditionally Toll Denied (default)	
	UNR	Unrestricted	
	CUN	Conditionally Unrestricted.	
	TLD	Toll Denied.	
	SRE	Semi-Restricted.	
	FRE	Fully Restricted.	
	FR1	Fully Restricted 1.	
	FR2	Fully Restricted 2.	
	(ABDD)	Abandoned call record and time to answer denied	fcdr-18
	ABDA	Abandoned call record and time to answer allowed	
	(AGTD)	ACD services for 500/2500 type telephones denied	phtn-20
	AGTA	ACD services for 500/2500 type telephones allowed	
		An AGTA entry will not be validated if you do not define FEAT = ACD in the same pass through this overlay.	
	(ALCA)	ALC loss plan class A port type	cdr-18
	ALCB	ALC loss plan class B port type	
	(ARHD)	Audible Reminder of Held Call Denied	basic-14
	ARHA	Audible Reminder of Held Call Allowed	
	(ASCD)	Alarm Security Denied	ohas-18
	ASCA	Alarm Security Allowed Mutually exclusive with Three-Party Service Allowed (TSA)	
	(AUTU)	Unrestricted Authcode	ssau-19
	AUTD	Denied Authcode	
	AUTR	Restricted Authcode	
		When the CLS is changed from AUTR to either AUTU or AUTD, all previous telephone authorization code information is removed. Must have Station Specific Authorization Codes (SSAU) package 229.	

Prompt	Response	Comment	Pack/Rel
	(BNRD) BNRA	Busy Number Redial Denied Busy Number Redial Allowed Must have ADL configured and Flexible Feature Codes (FFC) package 139.	ffc-21
	(C6D) C6A	Six-Party Conference Denied Six-Party Conference Allowed C6A requires Transfer Allowed (XFA) Class of Service.	basic-10
	(CCBD) CCBA	Collect Call Blocking Denied (permits a set to accept collect calls) Collect Call Blocking Allowed (prevents a set from accepting collect calls) Must have Collect Call Blocking (CCB) package 290.	ccb-21
	(CCSD) CCSA	Controlled Class of Service Denied Controlled Class of Service Allowed CCSA is required for the Electronic Lock feature. See the Flexible Feature Codes section in the *Features and Services* (553-3001-306). Must have Controlled Class of Service (CCOS) package 81.	phtn-20
	(CDMD) CDMA	CDMD denies record generation CDMA allows external station activity records to be generated for the set	emct-20
	(CDMR) CDMV CDMO	Converged Desktop Multimedia Restricted (default) Converged Desktop Multimedia and Voice Converged Desktop Multimedia Only	sip-4.0
	(CFHD) CFHA	Call Forward/HUNT Override Denied Call Forward/HUNT Override Allowed	cfho-20
	(CFTD) CFTA	Call Forward by Call Type Denied Call Forward by Call Type Allowed Call Forward by Call Type enhances Hunt and Call Forward No Answer. CFTA requires Hunting Allowed (HTA) and/or Call Forward Allowed (FNA) Class of Service.	opft-10

Prompt	Response	Comment	Pack/Rel
	(CFXD) CFXA	Call Forward All Calls to external DN Denied Call Forward All Calls to external DN Allowed Examples of external DNs are: • Route Access Code • ESN Access Code • CDP Distant Steering Code When Denied, a call can only be forwarded to the following internal DNs: • Single or multi-line telephone • Attendant DN or CAS local attendant DN • Listed DN as defined in LD 15 • Message center DN where MWC = YES	optf-19
	(CLBD) CLBA	Deactivate Calling Party Number and Name per-line blocking Activate Calling Party Number and Name per-line blocking The user may still request CPP by dialing the CPP code.	cpp-21
	(CLTD) CLTA	Network Call Trace from this telephone Denied Network Call Trace from this telephone Allowed	pra-17
	(CNAD) CNAA	CLASS Calling Name Denied. CLASS Calling Name Multiple Data Format Allowed. Note: CNUD/CNUD/CNUS/CNAD/CNAA are not a valid input for a Dial Intercom Group (DIG) set.	cname-23
	(CNAD) CNAA	CLASS Calling Name Denied. CLASS Calling Name Multiple Data Format Allowed. Note: CNUD/CNUD/CNUS/CNAD/CNAA are not a valid input for a Dial Intercom Group (DIG) set.	cname-23
	(CNDD) CNDA	Call Number Display Denied Call Number Display Allowed Allows user to see calling or called name associated with the number dialed if CPND is set up for the customer associated with the portable personal telephone. Allowed if WRLS = YES.	mcmo-20

Prompt	Response	Comment	Pack/Rel
	(CNID) CNIA	Call Number Information Denied Call Number Information Allowed	bgd-10
	(CNUD) CNUA CNUS	CLASS Calling Number Delivery Denied. CLASS Calling Number Multiple Data Format Allowed. CLASS Calling Number Single Data Format Allowed.	cnumb-23
	(CPFA) CPFD	Forced Camp-On from another set Allowed Forced Camp-On from another set Denied	scmp-15
	(CPTA) CPTD	Forced Camp-On to another set Allowed Forced Camp-On to another set Denied	scmp-15
	(CRD) CRA	Continuous Ring Denied Continuous Ring Allowed	scmp-15
	(CWD) CWA	Call Waiting Denied Call Waiting Allowed The telephone should also have CLS = HTD (Hunting Denied) since hunting takes precedence.	basic-1
	(CWND) CWNA	Call Waiting Notification Denied Call Waiting Notification Allowed Must have Call Waiting Notification (CWNT) package 225.	cwnt-19
	(DDGA) DDGD	DN display on other set Allowed DN display on other set Denied	dpd-21
	(DNAA) DNAD	DN of set will be used in 3WT ANI messages. Outgoing 3WT route will be used as DN in 3WT ANI messages. Must have Commonwealth of Independent States (CIST) package 221.	cist-21
	(DNDY) DNDN	Diversion Notification with called party's number and name when available. Diversion Notification without called party's number and name.	qsigss-23
	(DNO3) DNO1 DNO2	Diversion Notification Option with diverted-to party's number and name when available. Diversion Notification Option without notification. Diversion Notification Option without diverted-to party's number and name.	qsigss-23

Prompt	Response	Comment	Pack/Rel
	(DTN)	Digitone. DTN is used for 2500, UNITY and digitone telephones.	basic-20
	DIP	Dial Pulse. DIP is used for 500, rotary and dial pulse telephones.	
	MNL	Manual service. MNL is used for manual service to the attendant and Flexible Hot Line	
	(DPUD)	DN Pickup Denied	dcp-12
	DPUA	DN Pickup Allowed DN Pickup is not allowed on telephones in group zero (RNPG = 0). Must have Directed Call Pickup (DCP) package 115.	
	(DSH)	Digital Short telephone	ida-16
	DLO	Digital Long telephone Select DLO for line lengths of 2 km or 1.2 miles or more. Must have Integrated Digital Access (IDA) package 122.	
	(EHTD)	Enhanced Hot Line Denied	phtn-20
	EHTA	Enhanced Hot Line Allowed Cannot be assigned with LLC1, LLC2, LLC3, LNA, MNL or Permanent Hold feature.	
	(EXR0)	Executive Distinctive Ringing Off 0	edrg-16
	EXR1	Executive Distinctive Ringing On 1	
	EXR2	Executive Distinctive Ringing On 2	
	EXR3	Executive Distinctive Ringing On 3	
	EXR4	Executive Distinctive Ringing On 4 The digit indicates which of the four distinctive ringing tones and cadences defined in LD 56 is to be used. Must have Executive Distinctive Ringing (EDRG) package 185.	
	(FAXD)	Fax denied	euro-22
	FAXA	Fax allowed. ISDN call is generated with 3.1 KHz Bearer Capability. Set is a modem or a FAX machine.	
	(FBD)	Call Forward Busy Denied	basic-1
	FBA	Call Forward Busy Allowed Call Forward Busy Allowed sends DID calls which encounter a busy condition to the attendant. Call Forward Busy should have Hunting and Call Waiting Denied or CLS = HTD and CWD, since Hunting and Call Waiting take precedence over FBA.	

Prompt	Response	Comment	Pack/Rel
	(FDSD)	Force Disconnect Denied	ponw-25.4
	FDSA	Force Disconnect Allowed	
	(FEDA)	Far End Disconnect Allowed for Digital Cordless Set.	mc32-25
	FEDD	Far End Disconnect Denied for Digital Cordless Set.	
	(FND)	Call Forward No answer Denied	basic-1
	FNA	Call Forward No answer Allowed	
	(FTTC)	Flexible Trunk to Trunk Connections Conditional allows trunk to trunk connections for supervised Conference.	basic-23
	FTTR	Flexible Trunk to Trunk Connections Restricted denies trunk to trunk connections for Transfer and unsupervised Conference.	
	FTTU	Flexible Trunk to Trunk Connections Unrestricted allows trunk to trunk connections for both Conference and Transfer.	
	(GPUD)	Group Pickup Denied	dcp-12
	GPUA	Group Pickup Allowed Group Pickup is not allowed on telephones in group zero. Must have Directed Call Pickup (DCP) package 115.	
	(HBTD)	Hunt By call Type Denied	basic-10
	HBTA	Hunt By call Type Allowed	
	(HSPD)	Hospitality Denied. HSPD is for administration sets.	hvs-16
	HSPA	Hospitality Allowed. HSPA is for room sets. For HSPA, you must also enter CLS = CCSA and CLS = MRA. HSPA CLS cannot be entered for a set with transfer or conference capability. This feature is used for Hospitality Management.	
	(HTD)	Hunting Denied	basic-1
	HTA	Hunting Allowed	
	(IAMD)	ICP Answering Machine Denied	icp-16
	IAMA	ICP Answering Machine Allowed This features allows a 2500 set to be a channel in the Intercept Computer Interface (ICP) Answering Machine.	
	(ICDD)	Internal Call Detail Recording Denied	icdr-10
	ICDA	Internal Call Detail Recording Allowed	

Prompt	Response	Comment	Pack/Rel
	(IRGD) IRGA	Interrogation set Denied for intercept computer Interrogation set Allowed for intercept computer	icp-14
	(LDTD) LDTA	Line Disconnect Tone Denied Line Disconnect Tone Allowed	basic-17
	(LLCN) LLC1 LLC2 LLC3	Line Load Control off Line Load Control Class 1 Line Load Control Class 2 Line Load Control Class 3	llc-13
	(LND) LNA	Last Number Redial Denied Last Number Redial Allowed Must have OPT = LRA in LD 15	lnr-8
	(LPD) LPA	Message Waiting Lamp Denied Message Waiting Lamp Allowed If a modem is connected to a port on the message waiting line card, that port should be defined as LPD. With LPA the modem may be damaged by the message waiting lamp voltage 150 V.	phtn-20
	(LPR) HPR	Low Priority station High Priority station High Priority will place this set or trunk at the top of the dial tone queue.	povr-1
	(MBXD) MBXA	Multi-Party Operation (MPO) Blind Transfer Denied. When CLS = MBXD, blind transfers occur with mis-operation treatment. Multi-Party Operation (MPO) Blind Transfer Allowed. When CLS = MBXA, blind transfers occur without mis-operation treatment. To configure CLS = MBXA, CLS must first be defined as TSA or XFA. Multi-Party Operations (MPO) package 141 must be equipped to enter MBXD or MBXA.	mpo-21
	(MCRD) MCRA	Multiple Call Arrangement Denied Multiple Call Arrangement Allowed	basic-15
	(MCTD) MCTA	Malicious Call Trace Denied Malicious Call Trace Allowed The TRC key must be removed before changing MCTA to MCTD. MCT is applied on a TN basis.	mct-10

Prompt	Response	Comment	Pack/Rel
	(MIND) MINA	Message Intercept Denied Message Intercept Allowed	mr-15
	(MRD) MRA	Message Registration Denied Message Registration Allowed	mr-10
	(MWD) MWA	Message Waiting Denied Message Waiting Allowed	mwc-1
	(NAMA) NAMD	Name display Allowed Name display Denied	dpd-21
	(NOVD) NOVA	Network Override/Breakin Denied Network Override/Breakin Allowed	ponw-25.4
	(NRCD) NRCA	Night Restriction for forced Camp-On Denied Night Restriction for forced Camp-On Allowed If night restriction is allowed, then forced Camp-On for this set is allowed during night service only.	povr-16
	(NROD) NROA	Night Restriction for Priority Override Denied Night Restriction for Priority Override Allowed If night restriction is allowed, then Priority Override for this set is allowed during night service only.	povr-16
	(NRWD) NRWA	Night Restriction for Call Waiting Denied Night Restriction for Call Waiting Allowed If Night Restriction is allowed, then Call Waiting for this set is allowed during night service only.	povr-16
	(OCBD) OCBA	Outgoing Call Barring Denied Outgoing Call Barring Allowed Must have FFC and NFCR packages.	ccb-21
	(ONP) OPX	On-Premises extension Off-Premises extension Supported by QPC192 only.	basic-1
	OPS ONS	Off-Premises Station (default if CDEN is DD) On-Premises Station (default for all others)	xpe-20
	(OVDD) OVDA	Override Denied Override Allowed Must have Flexible Feature Codes (FFC) package 139	ffc-15

Prompt	Response	Comment	Pack/Rel
	(PCWD) PCWA	Deny Precedence Call Waiting. Allow Precedence Call Waiting Requires Station Loop Preemption (SLP) package. Requires PRMA class of service.	atvn
	(PDN) LDN	Primary Directory Number Listed Directory Number The number used for the Calling Line Identification (CLID). 500/2500 sets have no display capability but prompt functions to transmit CLID information to sets with digit displays.	pra-12
	(PGND) PGNA	Deny PAGENET access Allow PAGENET access Requires PAGENET package 307.	pagenet-22
	(PHTD PHTA	Deny Precedence Hunting Allow Precedence Hunting Requires Station Loop Preemption (SLP) package. Requires HTA and PRMA class of service.	
	(PRMD) PRMA	Deny Preemption Allow Preemption Allowed only if Station Loop Preemption (SLP) is equipped. Requires Warning Tone Allowed (WTA) class of service.	atvn
	(PRSD) PRSA	Priority Call Pickup Station Denied Priority Call Pickup Station Allowed	povr-15
	(PUD) PUA	Call Pickup Denied Call Pickup Allowed Default changes to PUA if Ringing Number Pickup Group (RNPG) is defined. Call Pickup is not allowed on telephones in group zero or RNPG = 0.	grp-1
	(RBDD) RBDA	Redirection By Day Denied Redirection By Day Allowed	basic-24
	(RBHD) RBHA	Redirection By Holiday Denied Redirection By Holiday Allowed	basic-24
	(RCC) UCC	Restricted from Receiving Collect Calls Unrestricted from Receiving Collect Calls	fca-10

Prompt	Response	Comment	Pack/Rel
	(RMMD) RMMA RMMO	Remote Monitoring of Messages Denied Remote Monitoring of Messages Allowed Allow Remote Monitoring of Messages and to Override, if it is being already monitored	vmba-24
	(RTDD) RTDA	Call Redirection by Time of day denied Call Redirection by Time of day allowed If CLS = RTDD, AFD/AHNT/AEFD/AEHT will be removed, and ARTO will be reset to zero.	basic-22
	(SFD) SFA	Second Level CFNA Denied Second Level CFNA Allowed SFA requires FNA Class of Service.	basic-10
	(SHL) LOL	Short line Class of Service Long line Class of Service (default if CLS = OPS) Enter ALC Loss Plan Class of Service to be used for determining the Loss Plan Classification for this unit. If neither SHL or LOL is specified for a NEW unit, then SHL will be set as the default.	xops-20
	(SMSD) SMSA	Standalone Mail Server Denied Standalone Mail Server Allowed	samm-20
	(SMWD) SMWA	Extended Message Waiting Indication Denied. Extended Message Waiting Indication Allowed.	vmba-24
	(SPKD) SPKA	Speaker Denied Speaker Allowed Must have On-Hold on Loudspeaker (OHOL) package 196.	ohol-15
	(SWD) SWA	Station-to-Station Call Waiting Denied Station-to-Station Call Waiting Allowed Enhances Call Waiting Allowed. Must have CLS = CWA. Must also have CLS = HTD, because hunting takes precedence over Station-to-Station Call Waiting.	basic-8
	(TEND) TENA	Tenant Service Denied Tenant Service Allowed	tens-7
	(THFD) THFA	Centrex Trunk Switch Hook Flash on this set denied Centrex Trunk Switch Hook Flash on this set allowed	thf-14

Prompt	Response	Comment	Pack/Rel
	TSA	Three-Party Service allowed TSA is mutually exclusive with ASCA and XFA. If TSA is requested and XFA is currently set, then XFA will be changed to XFD.	mpo-20
	(TVD) TVA	Trunk Verification from station Denied Trunk Verification from station Allowed	tvs-10
	(UDI) RDI	Station is not restricted from receiving DID calls Station is restricted from receiving DID calls	supp-10
	(ULAD) ULAA	Set Based Administration User Access Denied Set Based Administration User Access Allowed	adminset-21
	(USMD) USMA	Meridian 911 position Denied Meridian 911 position Allowed Must have Meridian 911 (M911) package 224	m911-19
	(USRD) USRA	User Selectable Call Redirection Denied User Selectable Call Redirection Allowed	uscr-19
	(WTA) WTD	Warning Tone Allowed Warning Tone Denied	basic-1
	(XFD) XFA XFR	Call Transfer Denied Call Transfer Allowed Call Transfer Restricted TSA is mutually exclusive with XFA. If TSA is requested and XFA is currently set, then XFA will be changed to XFD. The most recently entered CLS overwrites the prior CLS of the same category. Note that one can specify XFR instead of XFD.	basic-1
	(XHD) XHA	Exclusive Hold Denied Exclusive Hold Allowed	dhld-4
	(XMWD) XMWI	Extended Message Waiting indication Denied Extended Message Waiting indication Allowed	vmba-24
	(XRD) XRA	Ring Again Denied Ring Again Allowed Must have CLS= XFA. RANA may be activated if OPT = RNA in LD 15. When OPT = RND in LD 15, all sets with CLS = XRA will be able to activate only Ring Again Busy.	optf-1

Prompt	Response	Comment	Pack/Rel
CPND		Calling Party Name Display	cpnd-19
	NEW	Add data block	
	CHG	Change existing data block	
	OUT	Remove existing data block Must have CPND data block defined in LD 95.	
CPND_LANG		Calling Party Name Display Language	cpnd-19
	(ROM)	Roman	
	KAT	Katakana CPND_LANG applies when FTR = CPND. CPND_LANG appears only when Multi-Language I/O (MLIO) package 211 is equipped.	
CRCS	0-7	Code Restriction Block	nfcr-2
CSDN	x..x	Converged Service Directory Number Converged Desktop Service Control Directory Number (CDN) configured in LD 23. CSDN is only prompted if CLS is defined as CDMV or CDMO. NULL response is not accepted.	sip-4.0
CUST	xx	Customer number associated with this set as defined in LD 15.	cust-1
DCLP	0-159	Dealer Conference Loop DCLP input defines the conference loop assigned to the unit. The loop should be in the same group as the unit.	ohol-20
DELETE_VMB		Delete Voice Mailbox	vmba-19
	(YES)	Remove the Voice Mailbox from the Meridian 1 and Meridian Mail	
	NO	Remove the Voice Mailbox from the Meridian 1 Prompted if REQ = OUT and TN has an associated Voice Mailbox. Allowed if the DN is either a single appearance or a multiple appearance DN on a single TN.	
DES	d...d	ODAS Station Designator Enter a 1-6 alphanumeric character representing an Office Data Administration System (ODAS) Station Designator.	odas-1

Prompt	Response	Comment	Pack/Rel
DIG	0-2045 0-99	Dial Intercom Group (DIG) number and Dial Intercom Member (DIM) numbers. The value entered for the member number cannot be equal to the SPRE code. In the case of double-digit values, the first digit cannot be the same as the SPRE code. For example, if SPRE = 1, the member number cannot be 10, 11...19. Single line telephones assigned as Dial Intercom sets can only make calls within their own dial intercom groups. No DN can be assigned to them. If any member in the group has a two digit member number, all members have a two digit number. The system enters leading zeros. Must have maximum number of Dial Intercom Groups (DGRP) defined in LD 15.	di-1
DISPLAY_FMT	(FIRST, LAST)	Display Format for CPND name May be input as FIRST To view names as John Doe	cpnd-19
	LAST, FIRST	May be input as Last To view names as Doe John	
DMC		Digital Enhanced Cordless Telecommunication (DECT) Mobility Controller Location	mc32-25
	l s c	Format for Large System	
	l s c	Format for CS 1000E	basic-4.0
	c	Format for Small System	
	c	Format for CS 1000S	basic-1
	c	Format for MG 1000B, and MG 1000T	basic-4.0
DN	x..x yyyy	Directory Number (x..x) and CLID table entry (yyyy) The DN can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. DN is not prompted for Small Systems, CS 1000S, MG 1000B, and MG 1000T Model sets or if DIG is defined. Range for CLID table entry is: [(0) - (value entered for SIZE prompt in LD 15 minus 1)	basic-1

Prompt	Response	Comment	Pack/Rel
		If the new DN entered already exists, one of the following messages will be output when the TNB is updated: • MIX (DN entered already appears on another set) • PVR (DN is a Private Line number) • HNT (DN exists and is defined as Hunting Allowed) • FNA (DN exists and has Forward No Answer) Before the DN can be modified, the station DN must be removed from all Group Hunt lists in which it is a member. ISDN is not required for Calling Line Identification entry.	
ECHG	(NO) YES	Easy Change. Prompted when REQ = CHG. This allows change to any prompt in this program without toggling through all the prompts.	basic-12
ELKP	x...x	Electronic Lock Password Prompted with the Flexible Feature Codes (FFC) package 139. Password length is one to 15 digits, and is set in LD 15.	ffc-14
FCAR	(NO) YES	Forced Charge Account Must use Forced Charge Account Restrict from using Forced Charge Account Prompted if FCAF = YES in LD 15 and CLS = TLD, CUN or CTD. TLD is recommended.	fca-1
FTR	FTR	Enter the feature name and related data. Precede feature mnemonic with X to remove it from the allowed features for the telephone. Prompted with Special Service for 2500 sets (SS25) package 18.	ss25-1
	ACD x...x yyyy	The ACD DN and the ACD position (POS ID) The ACD queue must be set in LD 23. ACD can be up to 4 digits; up to 7 digits with Directory Number Expansion (DNXP) package 150. An ACD entry is only allowed if you have already defined CLS = AGTA in the same pass through this overlay.	ism-16

Prompt	Response	Comment	Pack/Rel
	ADL nn x..x	Auto Dial Auto Dial cannot be configured if Hot Line is defined. nn = number of digits, up to 31 maximum in Auto Dial DN x..x = Auto Dial DN Auto Dial is required for BNRA. Must have Flexible Feature Codes (FFC) package 139.	ffc-15
	AEFD y...y	Alternate External Flexible Call Forward DN, up to 13 digits. Remove by setting CLS = RTDD or CFTD. Where yyyy = Alternate Redirection DN.	basic-22
	AEHT y...y	Alternate External Hunt DN, up to 13 digits. Remove by setting CLS = RTDD or CFTD. Where yyyy = Alternate Redirection DN.	basic-22
	AFD y...y	Alternate Flexible Call Forward DN, up to 13 digits. Remove by setting CLS = RTDD. Where yyyy = Alternate Redirection DN.	basic-22
	AHNT y...y	Alternate Hunt DN, up to 13 digits. Remove by setting CLS = RTDD. Where yyyy = Alternate Redirection DN.	basic-22
	CFW nn x...x	Call Forward all calls Valid entries are any integer in the range of (4)-31. Where: nn = maximum number of digits in the CFW DN; it must be large enough to hold the customer Reply DN. Where: x...x = Call Forward DN If the Enhanced System Access feature is configured, valid entries are 4, 8, 12, (16), 20, 24, 28, 31. Numbers between 4 and 31 are rounded up to the next valid number. If the Enhanced System Access feature is not configured you may input any integer in the range of (4)-23.	ss25-1

Prompt	Response	Comment	Pack/Rel
	CPND	Call Party Name Display, name assignment allowed Response required only if Background Terminal or PMSI is used to configure names. Response is not required if CPND is programmed in LD 95.	cpnd-10
	DCFW nn x...x	Default Call Forward Where: nn = maximum number of digits in the DCFW DN. Valid entries for nn are: 4, 8, 12, 16, 20, 24, 28, 31. Where: x...x = Default Call Forward DN.	supp-10
	EFD x...x	External Flexible call forward DN (a Group Hunt pilot DN can be entered) This is the DN to which external no answer calls are routed when Class of Service is Call Forward by Call Type allowed (CLS = CFTA). Must also have CLS = FNA. EFD is only used if one of the following customer options are defined in LD 15: • FNAD = FDN • FNAT = FDN • FNAL = FDN Listed DNs, Departmental Listed DNs and prime DNs are accepted as valid input. EFDs can be up to 13 digits.	basic-10
	EHT x...x	External Hunt DN This is the DN to which external busy calls Hunt when Class of Service is Call Forward by Call Type allowed (CLS = CFTA). Must also have CLS = HTA. Listed DNs, Departmental Listed DNs and prime DNs are accepted as valid input. A Group Hunt pilot DN can be entered with up to: • 4 digits without DNXP package 150 • 7 digits with DNXP package 150 • 13 digits for Network Call Redirection	basic-10

Prompt	Response	Comment	Pack/Rel
	FAXS x...x	Facsimile server and command sequence The command sequence includes the following: • Wx = waiting time of 0 to 9 seconds • Cxxx = control command digits • Oxxxx = originating or designated fax DN • D = the called fax DN For HiMail server, if the designated fax DN is 1234: FTR FAXS W6 O1234 C#10* D C## W4, or FTR FAXS W6 O1234 C#20* D C## W4 For Phi-Net server, if the designated fax DN is 1234: FTR FAXS W4 C30 O1234 C*0 D C# The facsimile server TNs must have Digitone (DTN) Class of Service and cannot have FNA, CWA, or FBA Class of Service, or FTR CFW feature. Use the HUNT feature to define the DN of the next port on the facsimile server.	faxs-18
	FDN x...x	Flexible Call Forward No Answer The DN cannot be an LDN A Group Hunt pilot DN can be entered of up to: • 4 digits without DNXP package 150 • 7 digits with DNXP package 150 • 13 digits for Network Call Redirection FDN is used for internal calls, if CLS is CFTA and FNA. FDN is used for all calls if CLS is CFTD and FNA. FDN requires that CLS = MWA or FNA. FDN is only used if one or more of the following customer options are defined in LD 15: • FNAD = FDN • FNAT = FDN • FNAL = FDN	basic-1
	HOT	Small System Model set Direct entry for Hotline Model set. Automatic termination DN is 8 digits. CS 1000S Model set	hot-16 basic-1.0

Prompt	Response	Comment	Pack/Rel
	HOT D nn x...x	Direct entry for one way Enhanced Hot Line. Where: • nn = up to 31 digits maximum in Target DN • x...x = Terminating DN CLS = EHTA and DIP or DTN	hot-10
	HOT D nn x...x yyyy	Direct entry for two way Enhanced Hot Line. Where: • nn = up to 31 digits maximum in Target DN • x...x = Terminating DN • yyyy = optional two way Hot Line DN. This DN can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. CLS = EHTA and DIP or DTN.	hot-10
	HOT nn x..x	Flexible Hot Line. Where: nn = up to 31 digits maximum in Target DN and x..x = Terminating DN. Flexible Hot Line requires that CLS = MNL.	
	HOT L bbb	One way list entry for Enhanced Hot Line Where: bbb = list entry position from Hot Line list in LD 18. The Hot Line list NCOS overrides the set NCOS. Enhanced Hot Line requires CLS = EHTA, LLCN, PHTD and DIP or DTN. To remove Hot Line DN, change CLS EHTA to EHTD. Hot Line DNs can be programmed with * as operands only if OPAO is enabled.	hot-10
	HOT L bbb x...x	Two way list entry for Enhanced Hot Line. Where: • bbb = list entry position • xxxx = optional two way Hot Line DN. This DN can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Enhanced Hot Line requires CLS = EHTA, LLCN, PHTD and DIP or DTN. To remove Hot Line DN, change CLS EHTA to EHTD. Hot Line DNs can be programmed with * as operands only if OPAO is enabled.	hot-10

Prompt	Response	Comment	Pack/Rel
	ICF x...x	Internal Call Forward and Forward DN length. Valid entries for x...x are: any integer in the range of (4)-31.	icf-19
	ISP 1-(75)-255	Enable hook flash disconnect supervision with flash timer in 10 milliseconds units. If the numeric parameter is not entered and the saved value is null, it is defaulted to 75 (750 ms). Otherwise, it does not change.	basic-21
	OSP (1)	Enable battery reversal answer and disconnect supervision for outgoing calls with absolute and assumed answer indication.	basic-21
	OSP 2	Enable battery reversal answer and disconnect supervision for outgoing calls with absolute answer indication only. If the numeric parameter is not entered and the saved value is null, it is defaulted to 1. Otherwise, it does not change.	
	PEP xxxxx	Apply PEP number xxxxx to this set. PEP number xxxxx is an X21 maintenance PEP which is available from the Meridian PEP Library. PEP xxxxx uses this feature as a 'trigger' to execute certain code.	basic-4.50
	PHD	Permanent Hold. Allowed with CLS = XFA.	basic-1
	RDL nn	Stored Number Redial Where: nn = DN length 4, 8, 12, (16), 24, 28, 31. Numbers between 5 and 30 are rounded up to the next valid number. Allowed with CLS = XFA.	snr-3
	SCC 0-8190	Speed Call Controller list number The speed call list must be defined in LD 18.	optf-1
	SCU 0-8190	Speed Call User list number The speed call list must be defined in LD 18.	optf-1
	SSU 0-4095	System Speed call User list number The speed call list must be defined in LD 18.	ssc-2

Prompt	Response	Comment	Pack/Rel
	XISP	Disable hook flash disconnect supervision	
	XOSP	Disable battery reversal answer and disconnect supervision	
HDID	(0)-9	Off-Hook Alarm Security Half Disconnect Index defined in LD 15	basic-24
HMDN	x..x	Home Directory Number Sets the DN as a valid MCDN network DN	msmn-32
HUNT	x...x	Hunt DN of the next station in the Hunt chain A Group Hunt pilot DN can be entered of up to: • 4 digits without DNXP package 150 • 13 digits with DNXP package 150 Precede with X to remove. With Call Forward and Hunt by Call Type, this is the Hunt DN for: • internal calls if CLS = CFTA, or • all busy calls if CLS = CFTD A Control Directory Number (CDN) can be defined as a Hunt DN for both physical and phantom 500/2500 sets. When a CDN is configured in this way, a call which comes to a busy DN can be Hunting or Call Forward Busy to a CDN.	basic-1
IAPG	(0)-15	Meridian Link Unsolicited Status Message (USM) group Assign Associate (AST) telephones to an USM group defined in LD 15. These groups determine which status messages are sent to the host computer for an AST telephone. The default Group 0 sends no messages, while Group 1 sends all messages.	aml-16 aml-16
ICT	0-<NIPN>	Intercept Computer Terminal or Printer Number The Number of Intercept Positions (NIPN) is defined in LD 15.	icp-16
INDX	0-509	DECT Mobility Controller index Maps hand set to Virtual TN	mc32-25
ITEM	aaaa yyy	Change any prompt Respond with the desired program mnemonic (aaaa) and its new value (yyy). ITEM is reprompted until only a carriage return <CR> is entered.	basic-12

Prompt	Response	Comment	Pack/Rel
KEEP_MSGS		Keep Messages	vmba-19
	(NO) YES	Preserve Meridian Mail messages and current password	
LDN	(NO)	Departmental Listed Directory Number is not activated for this set	dldn-5
	0-5	Departmental Listed Directory Number (LDN) as defined in LD 15	
LNRS	4-(16)-31	Last Number Redial Size Enter the maximum number of digits that can be stored. Valid entries are 4, 8, 12, (16), 20, 24, 28, 31. Invalid entries are rounded up to the next valid entry. Prompted if CLS = LNA.	lnr-8
MARP	(NO) YES	Multiple Appearance Redirection Prime Use TN as the Multiple Appearance DN Redirection Prime. The MARP prompt, or MARP information, is given only when assigning a DN.	basic-18
MAUT	(NO) YES	Modify assigned authorization codes for this telephone Prompted with Station Specific Authorization Codes (SSAU) package 229 and CLS = AUTR.	ssau-19
MLWU_LANG		Language choice for Automatic Wake Up service. Prompted with Multi-Language Wake Up (MLWU) package 206. This entry defines the language presented for the Automatic Wake Up recorded announcement (RAN) for language 0 through 5 as follows:	mlwu-19
	(0)	See RAN1/RAN2 in LD 15	
	1	See LA11/LA12 in LD 15	
	2	See LA21/LA22 in LD 15	
	3	See LA31/LA32 in LD 15	
	4	See LA41/LA42 in LD 15	
	5	See LA51/LA52 in LD 15	
	X	Remove entry	
MODL	1-127	Model number Prompted for Small System and CS 1000S Model sets. Prompted for CS 1000S Model sets.	basic-16 basic-1
MWUN	(16) 32	Maximum number of Wireless Units Standard line card = 16 Octal line card = 32	mc32-24

Prompt	Response	Comment	Pack/Rel
NAME		Calling Party Name Display Name	cpnd-21
	aaaa,bbbb	First name comma Last name.	
		For example, John Doe is entered as John,Doe. The first single comma is treated as the delimiter. Up to 27 characters (including the comma) may be input. The last occurrence of the first comma group serves as the name delimiter and is translated into a space between the first and last name.	
	aaaa	When the delimiter is omitted, the input is stored as a first name.	
	aaaa,	When the delimiter follows the input, the input is stored as the first name.	
	,bbbb	When the delimiter precedes the input, the input is stored as a last name.	
NCOS		Network Class of Service group number	ncos-2
	(0)-3	CDP	
	(0)-7	BARS or NFCR	
	(0)-15	NARS	
	(0)-99	Network Class of Service group number	
OHID	(0)-9	Off-Hook Alarm Security DN index	basic-18
		Enter the index number 0-9 of the DN defined by LD 15 prompt ODNx. When a dial tone or interdigit timeout occurs on a set with Alarm Security Allowed (ASCA) Class of Service, the set is intercepted to a predefined DN.	
PLEV	0-(2)-7	Priority Level	povr-20
		Where: 2 = set can override sets of level 1 and 2, and can be overridden by sets of level 2-7. Prompted with Priority Override/ Forced Camp-On (POVR) package 186 or Enhanced DPNSS1 Services (DPNSS_ES) package 288.	
POS	xxxx	ACD position ID. Prompted when SFMT = AUTO, TNDN, TN or DN.	basic-12

Prompt	Response	Comment	Pack/Rel
PRI	(1)-48	Priority level for ACD Agent. The agent with the lowest number assigned has the highest priority and is the first ACD agent to receive calls. (Priority 1 has the highest priority level) PRI is prompted if Automatic Call Distribution, Priority Agent package 116 is equipped and CLS = AGTA.	pagt-16
RCO	(0)-2	Ringing cycle option for Call Forward No Answer Prompted when CLS = FNA or MWA (or both).	uscr-19
REQ:		Request	basic-1
	?	To get a list of valid responses	
	CHG	Change existing data block	
	CDCS	Convert Digital Communication Set ***Note:*** The CDCS command can also be used on MCMO type telephones	mc32-25
	CPY n	Copy or create 1 to 32 new station data block or blocks automatically from the specified station data block. Not valid for Option11 Models.	
	END	Exit Overlay program	
	MOV	Move data block from one TN to another. MOV command can be used to move analogue "IPE" telephones from one loop, shelf, card, unit to another lscu with the following restrictions (includes moves across Superloops): -ACD sets must not be moved. Remove (out) data and re-enter at destination. -Telephones with mixed directory numbers can only be moved to a TN on the same loop; unless the prompt MLDN = Yes in LD 17. -Cannot be used for Small System and CS 1000S Model sets MOV command can be used to move analogue "EPE" telephones from one unit or card to another, but does not support moving these phones across shelves or loops.	basic-25.4

Prompt	Response	Comment	Pack/Rel
	NEW X	Add new data block or blocks Follow NEW with a value of 1-255 to create that number of consecutive telephone data block or blocks.	
	OUT X	Remove data block or blocks Follow OUT with a value of 1-255 to remove that number of consecutive telephones.	
		The following is a list of valid responses. For further information, consult the appropriate Overlay program.	
		LD 32: CDSP CMIN CONV CPWD DISC DISI DISL DISN DISS DISU DSCT DSPS DSXP ENCT ENLC ENLG ENLL ENLN ENLS ENLU ENPS ENXP IDC IDCS IDU LBSY LDIS LIDL LMNT PBXT SDLC STAT SUPL TRK XNTT XPCT XPEC	
		LD 20: LTN LUC LUDU LUU LUVU PRT	
		LD 10: CHG CPY MOV NEW OUT	
RNPG	(0)-255 (0)-4095	Ringing Number Pickup Group Ringing Number Pickup Group with Capacity Expansion To remove a telephone from a group, enter 0 in response to the RNPG prompt.	grp-1 grp-1
SCI	(0)-7	Station Category Indication priority level The Station Category number 1 to 7 must be defined as attendant console Incoming Call Indicator in LD 15 prompt ICI = CA1-CA7.	sci-7
SCPW	xxxx	Station Control Password The Station Control password is used for the Electronic Lock and Remote Call Forward features. This entry must equal the Station Control Password Length (SCPL) as defined in LD 15. Not prompted if SCPL = 0. See Flexible Feature Codes in the *Features and Services* (553-3001-306).	ffc-15
SECOND_DN			vmba-19
	x...x	Second Directory Number sharing the Voice Mailbox. This number can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150.	
	X	Enter the letter “X” to delete the second directory number	

Prompt	Response	Comment	Pack/Rel
SFDN	xxxx	Secretarial Forwarding DN of secretary set SFDN is prompted if SFLT = BOSS.	ftcsf-15
SFLT		Secretarial Filtering	ftcsf-15
	(NO)	Assign no designation to telephone	
	BOSS	Designate telephone as a Boss set	
	SEC	Designate telephone as a Secretary set (NO), SEC and <CR> takes you to the next prompt. SFLT is prompted with Boss Secretary Filtering (FTCSF) package 198.	
SFMT		Select Format for the copy command	basic-12
		The DN may be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. The POS prompt appears if CLS = AGTA.	
	TNDN	Manual selection of TNs, DNs and ACD position IDs for ACD telephones. TN, DN and POS are prompted -n- times as defined by the CPY command.	
	TN	The new DNs and ACD position IDs for ACD telephones are provided by the system. You are prompted for the starting DN, ACD position ID and each TN. TN is prompted n times as defined in the CPY command.	
	DN	The new TNs are provided by the system. You are prompted for the starting TN and each DN and ACD position ID for ACD telephones. DN and/or POS are prompted n times as defined in the CPY command.	
	AUTO	The new TNs, DNs and ACD position ID for ACD telephones are provided by the system. You are prompted for the starting TN, DN and ACD position ID.	
SGRP	(0)-999	Scheduled Access Restriction Group Number Prompted with Schedule Access Restrictions (SAR) package 162. The group must be defined in LD 88.	sar-15

Prompt	Response	Comment	Pack/Rel
SPID	x...x	Supervisor Position ID This input assigns an agent to a supervisor when agent lamps are not assigned on the supervisor telephone. This number can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. However, ISDN applications can accept up to 13 digits. Prompted for ACD packages B, C and D when CLS = AGTA.	acdb-1
SPWD	xxxx	Secure Data Password Prompted if the password is defined in LD 15. If the password is not entered, the security codes will not print when PRT is requested.	ssau-19
TEN	1-51	Multi-Tenant Number Enter the Multi-Tenant number for this telephone. Prompted with Multiple-Tenant Service (TENS) package 86 and Tenant Service enabled.	tens-7
TGAR	0-(1)-31	Trunk Group Access Restriction The default of (1) automatically blocks direct access.	basic-1
THIRD_DN		Third DN sharing the Voice Mailbox	vmba-19
	x...x	Third Directory Number. This number can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150.	
	X	Deletes the third directory number	

Prompt	Response	Comment	Pack/Rel
TIMP		Termination Impedance for XOPS unit	basic-20
	(600)	600 ohms	
	900	900 ohms	
		The following combinations of TIMP/BIMP are valid: • 600/600 • 900/900 • 600/3COM • 900/3COM • 600/3CM2 • 900/3CM2	
		These are equivalent to the TIMP/BIMP prompts in LD 14 for the EXUT card. TIMP is prompted if the specified TN will be configured on an XOPS card (DD card on a superloop). If the response to TIMP uniquely describes the TIMP/BIMP combination, then BIMP is not prompted.	
TN		Terminal Number The TN defines the location of the telephone. TN appears when REQ = NEW, CHG, MOV or OUT.	basic-1
	l s c u	Format for Large System, where: l = loop, s = shelf, c = card, u = unit Where l = • 0-159: loops, superloops which are multiples of 4, starting with superloop 0 • 0-255: loops, Systems with Fibre Network Fabric	fnf-25
		Where s = • 0-3: IPE shelves on loops defined TERM in LD 17 • 0-1: IPE shelves on loops defined TERD in LD 17 and superloops • 0: IPE shelf on loops defined TERQ in LD 17	
		Where c = • 1-10: IPE cards of dual and enhanced loops • 0-15: IPE cards of superloops	
		Where u = • 0-3: single density units • 0-7: double density units • 0-15: quad density units	
	l s c u	Format for CS 1000E, Where l = 0, 4, 8, - 252: superloop number in multiples of 4	basic-4.0

Prompt	Response	Comment	Pack/Rel
		Where s = 0-1: MG 1000E on superloop Where c = 1-4, 7-10 Where u = 0-31	
	c u	Format for Small System, where:c u = card, unit • c = 1-50 • u = 0-15 •	basic-16
	c u	Format for CS 1000S, where: c u = card, unit • c = 11-14, 17-24, 27-34, 37- 44, 47-50 • u = 0-31 •	basic-1.0
	c u	Format for MG 1000B Chassis, where: c = card and u = unit • c = 0-4, 7-10 • u = 0-31 • Format for MG 1000B Cabinet, where: c = card and u = unit • c = 0-10 • u = 0-31 ***Note:*** For converted Small Systems only, the Meridian Mail card must be installed in slot 10 if Meridian Mail is to be supported. •	basic-4.0
	c u	Format for MG 1000T, where: • c = 0-4, 7-10, 11-14, 17-24, 27-34, 37- 44, 47-50 • u = 0-31	basic-4.0
TOTN		To Terminal Number. Prompted when REQ = MOV.	basic-1
	l s c u	Format for Large System, where: l = loop, s = shelf, c = card, u = unit	
	l s c u	Format for CS 1000E, where: l = loop, s = shelf, c = card, u = unit	basic-4.0
	c u	Format for Small System, where: c u = card, unit TOTN is not prompted for Small System Model sets.	basic-16
	c u	Format for CS 1000S, where: c u = card, unit	basic-1.0
	c u	Format for MG 1000B, and MG 1000T, where: c = card and u = unit	basic-4.0

Prompt	Response	Comment	Pack/Rel
TYPE:	TYPE:	Type of data block.	basic-20
	?	To get a list of valid responses	
	500 500 M	500/2500 telephone data block 500/2500 Model telephone data block for Small System and CS 1000S	
	CARD	500/2500 card block for Automatic Set Relocation (ASR)	
	CARDSLT	Single-line telephone line card	
	DCS	Digital Cordless Set	mc32-25
	OOSSLT	Out-of-Service Single Line Terminal unit	
VMB	NEW CHG OUT	Add Voice Mailbox Change Voice Mailbox Remove Voice Mailbox	vmba-19
VMB_COS			vmba-19
	0-127	Voice Mailbox Class of Service	
VSIT	(NO) YES	Visiting DECT Handset 4060 Determines the difference between a local handset and a visiting handset.	msmn-32
WRLS	(NO) YES	TN corresponds to a portable personal telephone. Must have Meridian 1 Companion Option (MCMO) package 240. ***Note:*** Additional units configured on either the MCMO or DECT card requires identical entries for WRLS, WTYP and MWUN prompts.	mcmo-20
WTYP	(MCMO) DECT	Meridian Companion Mobility Option Digital Enhanced Cordless Telephone	mcmo-23
XLST	(0)-254	Pretranslation group associated with this station If the user wants to use a 16-button DTMF ABCD set as a call forward destination station to deactivate the call forward all calls function, then XLST must be set equal to the table number defined in LD 18.	pxlt-10

Prompt	Response	Comment	Pack/Rel
XPLN	xx	Expected name length (this value should be set to a sufficient length for current and future names for that DN) When REQ=NEW, the XPLN prompt defines the maximum name length for that particular DN or DIG. The XPLN for a DN cannot be changed without deleting that name entry. XPLN must range from the actual length of the name string to MXLN, or defaults to DFLN.	cpnd-19

LD 11: Digital Telephone Administration

This Overlay program allows data blocks for Displayphone 1200, M1000 series, M2000 series, M3000 digital telephones, and IP Phones to be created or modified.

When the Overlay is loaded, the available system memory, disk records, and system configuration limits are output in a header as follows:

>ld 11

SL1000
MEM AVAIL: (U/P): xxxxxx USED U P: xxxxxx xxxxxx TOT: xxxxxx
DISK RECS AVAIL: xxx
TNS AVAIL: xxx USED: xxx TOT: xxx
INTERNET TELEPHONES AVAIL: xxxx USED: xxx TOT: xxxx
ACD AGENTS AVAIL: xxx USED: xxx TOT: xxx
AST AVAIL: xxx USED: xxx TOT: xxx
DIGITAL TELEPHONES AVAIL: xxx USED: xxx TOT: xxx
WIRELESS TELEPHONES AVAIL: xxxx USED: xx TOT: xxxx
DATA PORTS AVAIL: xxxx USED: xx TOT: xxxx

If a License limit is set to the maximum value 32767, then the information for that License will not be printed. This does not apply for the TNs License.

The Group Hunt/DN Access to SCL (PLDN) package 120 allows an asterisk (*) or double asterisk (**) as a valid input to a number of prompts. Usually the asterisk will be part of a dialed number. Without this package, for example, inputting one asterisk will cause the system to reissue the last prompt, and two asterisks will cause a restart o<CR>f the Overlay at REQ.

Linked Overlay programs

Overlay programs 10, 11, 20 and 32 are linked thus eliminating the need to exit one Overlay and enter another. Once one of the above Overlays has been loaded it is possible to add, print and get the status of a set without having to exit one Overlay and load another.

The input processing has also been enhanced. Prompts ending with a colon (:) allow the user to enter either:

- a question mark (?) followed by a carriage return (<CR>) to get a list of valid responses to that prompt or
- an abbreviated response. The system then responds with the nearest match. If there is more than one possible match the system responds with SCH0099 and the input followed by a question mark and a list of possible responses. The user can then enter the valid response.

Prompts and responses

Contents

Prompt	Response	Comment
REQ:	a...a	Request
TYPE:	a...a	Type of data block (TYPE responses begin on page 212)
MODL	1-127	Model number for small systems and CS 1000S
CFTN	l s c u c u	Copy From Terminal Number (as defined on page 210)
SFMT	a...a	Select Format (a...a = TNDN, TN, DN, or AUTO)
TN	l s c u c u	Terminal Number (as defined on page 210)
DELETE_VMB	(YES) NO	Delete Voice Mailbox
ECHG	(NO) YES	Easy Change
- ITEM	aaaa yyy	Item (aaaa = Program mnemonic ; yyy = its new value)
TOTN	l s c u c u	To Terminal Number (as defined on page 210)
CDEN	aa	Card Density (aa = SD, DD, 4D, or 8D)

Prompt	Response	Comment
DES	d...d	Office Data Administration System Station Designator
CTYP	(XDLC) EDLC	Card type
CUST	xx	Customer number associated with this set
NUID		Network User ID for dialable home system DN. Applies to IP Phones.
	aaaa	Network User Id. Enter X to delete.
NHTN	l s c u	Network Home system TN. Format for CS 1000M Large System and CS 1000E system, Where: l = loop, s = shelf, c = card, u = unit.
BUID	x...x	dialable DN, Main Office user id
MOTN	<CR> l s c u	Main Office TN Accept default when CS 1000S is the Main Office When main office is a Large System or CS 1000E
MPHI	(NO) YES	Meridian Communications Unit used as MPH Interface
KLS	1-7	Number of Key/Lamp Strips
AOM	0-2	Number of Add-on Modules
KBA	(0)-2	Key-Based Accessory
DBA	(0)-1	Display-Based Accessory
DSPL	(0)-500	Length (in characters) of portable display
DSPT	(0)-2	Type of portable display
ZONE	0-255	Zone Number which Nortel Networks IP Phone 2002, IP Phone 2004, and IP SoftPhone 2050 set belongs
KEM	(0)-2	Number of attached IP Phone KEMs

Prompt	Response	Comment
KEY	xx aaa yyyy (cccc ***or*** D) zz..z	Telephone function key assignments The following key assignments determine calling options and features available to a telephone. Note that KEY is prompted until a carriage return <CR> is entered. Where: xx = key number For IP Phone 2002, where: • xx = 0-31, when KEM = 0 • xx = 0-55, when KEM = 1 • xx = 0-79, when KEM = 2 For IP Phone 2004, where: • xx = 0-31, when KEM = 0 • xx = 0-79, when KEM = 1 • xx = 0-79, when KEM = 2 Type xx = NUL to remove a key function or feature. aaa = key name or function yyyy = additional information required for the key zz..z = additional information required for the key aaa. The cccc or D entry deals specifically with the Calling Line Identification feature. Where: cccc = CLID table entry of (0)-N, where N = the value entered at the SIZE prompt in LD 15 minus 1. You can enter a CLID table entry if aaa = ACD, HOT d, HOT L, MCN, MCR, PVN, PVR, SCN, or SCR. D = the character “D”. When the character “D” is entered, the system searches the DN keys from key 0 and up, to find a DN key with CLID table entry. The CLID associated with the found DN key will then be used.
PAGEOFST	<Page> <KeyOffset>	On I2004, automatically calculates the IP Phone KEM key number
KEY	0-nn	Key number range (nn) is determined by the number of IP Phone KEMs specified at the IP Phone KEM prompt.

Prompt	Response	Comment
KEMOFST	<KEM> <KeyOffset>	On I2002, automatically calculates the IP Phone KEM key number.
LANG	a	Language choice
FDN	x...x	Flexible CFNA DN
TGAR	xx	Trunk Group Access Restriction
LDN	aaa	Listed Directory Number Index as defined in LD 15
NCOS	(0)-99	Network Class of Service group
RNPG	(0)-4095	Ringing Number Pickup Group
SSU	0-4095	System Speed call list number
XLST	(0)-7	Pretranslation group associated with this station
SCPW	xxxx	Station Control Password
SGRP	(0)-999	Scheduled Access Restriction Group number
ELKP	x...x	Electronic Lock Password (1-15 digits)
SFLT	a...a	Secretarial Filtering (a...a = (NO), BOSS, or SEC)
- SFDN	xxxx	Secretarial Forwarding DN of secretary set
CAC	(0)-10	Category Code for CNI of MFC trunks
CAC_CIS	0-(3)-9	CIS ANI category code
CAC_MFC	(0)-10	MFC CNI Category Code
CLS	a...a	Class of Service (CLS responses begin on page 148)
CSDN	x..x	Converged Service Directory Number Converged Desktop Service Control Directory Number (CDN) configured in LD 23. CSDN is only prompted if CLS is defined as CDMV or CDMO. NULL response is not accepted.
ARTO	(0)-3	Alternate Redirection Time Option for call redirection
ADAY	(0)-3	Alternate Days as defined in LD 15
AHOL	(0)-3	Alternate Redirection Holiday as defined in LD 15
AFD	x...x	Alternate Flexible Call Forward DN
AHNT	x...x	Alternate Hunt DN
AEFD	x...x	Alternate External Flexible Call Forward DN
AEHT	x...x	Alternate External Hunt DN
MAUT	(NO) YES	Modify authorization codes for this telephone

Prompt	Response	Comment
- SPWD	xxxx	Secure Data Password
- AUTH	n xxxx	Authorization code
RCO	(0)-2	Ringing Cycle Option for Call Forward No Answer
ICT	0-<NIPN>	Intercept Computer Terminal or printer number
EFD	x...x	Flexible CFNA DN for External calls
HUNT	x...x	Hunt DN of next station in hunt chain
EHT	x...x	External Hunt DN
LHK	(0)-69	Last Hunt Key number limit
LNRS	4-(16)-31	Last Number Redial Size
TEN	1-511	Tenant number
OHID	(0)-9	Off-Hook Alarm Security DN index for off-hook or interdigit timeout.
FSVC	(0)-9	Forced Out-of-Service Off-Hook Alarm Security DN index
SCI	(0)-7	Station Category Indication priority level
TOV	(0)-(0)-23	Timeout Value for the data port
DTAO	a...a	Data Option (a...a = (MPDA) or MCA)
PSEL	a...a	Protocol Selection (a...a = (DMDM) or TLNK)
OPE	(NO) YES	Change data port Operating Parameters
- PSDS	(NO) YES	Public Switched Data Service option
- TRAN	a...a	Port Transmission type (a...a = (ASYN) or SYN)
- PAR	a...a	Parity (a...a = (SPACE), EVEN, ODD, or MARK)
- DTR	(OFF) ON	Data Terminal Ready settings
- DUP	aaaa	Duplex (aaaa = (FULL) or HALF)
- HOT	(OFF) ON	Hotline
- AUT	(ON) OFF	Auto-answer
- AUTB	(ON) OFF	Auto Baud rate
- BAUD	0-(7)-10	Baud rate index for the data port
- DCD	(ON) OFF	Dynamic Carrier Detect
- PRM	(ON) OFF	Prompt for terminal or host mode
- VLL	(OFF) ON	Virtual Leased Line
- MOD	(NO) YES	Mode
- INT	(OFF) ON	Meridian 1/SL-100 Interworking

Prompt	Response	Comment
- CLK	(OFF) ON	Clock
- DEM	aaa	Data Equipment Mode (aaa = (DCE) or DTE)
- DLNG	aaa	Language preference for DAC prompts (aaa = (ENG) or FRN)
- KBD	(ON) OFF	Keyboard Dialing
- V25	(NO) YES	V.25 bis option (synchronous mode only)
- HDLC	(NO) YES	High Level Data Link Control
- RTS	(ON) OFF	Request To Send (applies only to asynchronous mode)
- WIRE	(OFF) ON	Wire test
- PBDO	(OFF) ON	Port Busy when DTR off
LPK	(0)-69	Line Preference Key
PLEV	0-(2)-7	Priority Level
FCAR	(NO) YES	Forced Charge Account Restricted
LTN	1-253 0-15	Logical TN and AUX link number
SPID	x...x	ACD Supervisor Position ID DN
AST	xx yy	Associate Set Assignment for Meridian Link applications
IAPG	(0)-15	Meridian Link Unsolicited Status Message (USM) group
ITNA	(NO) YES	Idle TN for the Third Party Application
DGRP	(1)-5	Device Group
PRI	(1)-32	Priority level for ACD agent
LANG	a	Language choice for Automatic Wakeup (AWU) calls (a = (0)-5 or X)
MLWU_LANG	a	Language choice for Automatic Wakeup (AWU) calls (a = (0)-5 or X)
MLNG	a...a	Language selection for the M3902, M3903, M3904, or M3905. Where a...a is: • <CR> no change • ENG, FRE, GER, DUT, SPA, ITA, NOR, SWE, DAN, POR, FIN, POL, CZE, HUN, JAP, RUS, LAT, TUR.
DTMK	x...x	Data Mode Key number for a dynamic voice/data TN
DNDR	(0)-120	Directory Number Delayed Ringing in seconds
DCFW	x...x	Default Call Forward DN

Prompt	Response	Comment
KEY	xx aaa yyyy zz..z	Telephone function key assignments (KEY responses begin on page 173)
- MARP	(NO) YES	Multiple Appearance Redirection Prime
- CPND	aaa	Calling Party Name Display
- - CPND_LANG	aaa	Calling Party Name Display Language (aaa = (ROM) or KAT)
- - NAME	aaaa,bbbb	Calling Party Name Display name
- - XPLN	xx	Expected Name Length
- - DISPLAY_FMT		
	aaaa,bbbb	Display Format for CPND name
- VMB	aaa	Voice Mailbox
- - VMB_COS	0-127	Voice Mailbox Class of Service
- - SECOND_DN	x...x	Second DN sharing the voice mailbox
- - THIRD_DN	x...x	Third DN sharing the voice mailbox
- - KEEP_MSGS	(NO) YES	Preserve Meridian Mail messages and current password
- ANIE	(0)-n	ANI entry
- DNRO	(0)-4	Distinctive Number Ringing index for Outgoing calls
- DNRI	(0)-4	Distinctive Number Ringing index for Incoming calls

Prompts and responses by task

Add a voice telephone

Prompt	Response	Comment
REQ:	NEW	Request = NEW
TYPE:	a...a	Type of data block (TYPE responses begin on page 212)
MODL	1-127	Model number for small systems and CS 1000S
TN	l s c u c u	Terminal Number (as defined on page 210)
CDEN	aa	Card Density (aa = SD, DD, 4D, or 8D)
DES	d...d	Office Data Administration System Station Designator
CTYP	(XDLC) EDLC	Card type
CUST	xx	Customer number associated with this set
BUID	x...x	dialable DN, Main Office user id
MOTN	 <CR> l s c u	Main Office TN Accept default when CS 1000S is the Main Office When main office is a Large System or CS 1000E.
MPHI	(NO) YES	Meridian Communications Unit used as MPH interface
KLS	1-7	Number of Key/Lamp Strips
AOM	0-2	Number of Add-on Modules
KBA	(0)-2	Key-Based Accessory
DSPL	(0)-500	Length (in characters) of portable display
DSPT	(0)-2	Type of portable display
ZONE	0-255	Zone Number which IP Phone 2004 set belongs
LANG	a	Language choice
FDN	x...x	Flexible CFNA DN
TGAR	xx	Trunk Group Access Restriction
LDN	aaa	Listed Directory Number Index as defined in LD 15
NCOS	(0)-99	Network Class of Service group
RNPG	(0)-4095	Ringing Number Pickup Group

SSU	0-4095	System Speed Call list number
XLST	(0)-7	Pretranslation group associated with this station
SCPW	xxxx	Station Control Password
SGRP	(0)-999	Scheduled Access Restriction Group number
ELKP	x...x	Electronic Lock Password (1-15 digits)
SFLT	a...a	Secretarial Filtering (a...a = (NO), BOSS, or SEC)
- SFDN	xxxx	Secretarial Forwarding DN of secretary set
CAC	(0)-10	Category Code for CNI of MFC trunks
CAC_CIS	0-(3)-9	CIS ANI category code
CAC_MFC	(0)-10	MFC CNI Category Code
CLS	aaaa	Class of Service (CLS responses begin on page 148)
ARTO	(0)-3	Alternate Redirection Time Option for call redirection
ADAY	(0)-3	Alternate Days as defined in LD 15
AHOL	(0)-3	Alternate Redirection Holiday as defined in LD 15
AFD	x...x	Alternate Flexible Call Forward DN
AHNT	x...x	Alternate Hunt DN
AEFD	x...x	Alternate External Flexible Call Forward DN
AEHT	x...x	Alternate External Hunt DN
MAUT	(NO) YES	Modify authorization codes for this telephone
- SPWD	xxxx	Secure Data Password
- AUTH	n xxxx	Authorization code
RCO	(0)-2	Ringing Cycle Option for Call Forward No Answer
ICT	0-<NIPN>	Intercept Computer Terminal or printer number
EFD	x...x	Flexible CFNA DN for External calls
HUNT	x...x	Hunt DN of next station in hunt chain
EHT	x...x	External Hunt DN
LHK	(0)-69	Last Hunt Key number limit
LNRS	4-(16)-31	Last Number Redial Size
TEN	1-511	Tenant number
OHID	(0)-9	Off-Hook Alarm Security DN index for off-hook or interdigit timeout.
FSVC	(0)-9	Forced Out-of-Service Off-Hook Alarm Security DN index

SCI	(0)-7	Station Category Indication priority level
LPK	(0)-69	Line Preference Key
PLEV	0-(2)-7	Priority Level
FCAR	(NO) YES	Forced Charge Account Restricted
LTN	1-253 0-15	Logical TN and AUX link number
SPID	x...x	ACD Supervisor Position ID DN
AST	xx yy	Associate Set Assignment for Meridian Link applications
IAPG	(0)-15	Meridian Link Unsolicited Status Message (USM) group
ITNA	(NO) YES	Idle TN for the Third Party Application
DGRP	(1)-5	Device Group
PRI	(1)-32	Priority level for ACD agent
LANG	(0)-5 X	Language choice for Automatic Wake Up (AWU) calls
MLWU_LANG	a	Language choice for Automatic Wakeup (AWU) calls (a = (0)-5 or X)
MLNG	a...a	Language selection for the M3902, M3903, M3904, or M3905. Where: a...a = <CR> no change. a...a = ENG, FRE, GER, DUT, SPA, ITA, NOR, SWE, DAN, POR, FIN, POL, CZE, HUN, JAP, RUS, LAT, TUR.
DTMK	x...x	Data Mode Key number for a dynamic voice/data TN
DNDR	(0)-120	Directory Number Delayed Ringing (in seconds)
DCFW	x...x	Default Call Forward DN
KEY	xx aaa yyyy zz..z	Telephone function key assignments (KEY responses begin on page 173)
- MARP	(NO) YES	Multiple Appearance Redirection Prime
- CPND	aaa	Calling Party Name Display (aaa = NEW, CHG or OUT)
- - CPND_LANG	aaa	Calling Party Name Display Language (aaa = (ROM) or KAT)
- - NAME	aaaa,bbbb	Calling Party Name Display name
- - XPLN	xx	Expected Name Length
- - DISPLAY_FMT	aaaa,bbbb	Display Format for CPND name

- VMB	aaa	Voice Mailbox
- - VMB_COS	0-127	Voice Mailbox Class of Service
- - SECOND_DN	x...x	Second DN sharing the Voice Mailbox
- - THIRD_DN	x...x	Third DN sharing the Voice Mailbox
- - KEEP_MSGS	(NO) YES	Preserve Meridian Mail Messages and current password
- ANIE	(0)-n	ANI entry
- DNRO	(0)-4	Distinctive Number Ringing index for Outgoing calls
- DNRI	(0)-4	Distinctive Number Ringing index for Incoming calls

Add a data telephone

The following prompts apply to M2006, M2008, M2216, M2616 data ports (MPDA), DAC card units and Meridian Communications Adapter (MCA) only.

All operating parameter information is stored in the MPDA. If the hardware does not exist, the parameter information is lost. The hardware must be connected before configuring the operating parameters in this program. In the event that the parameters are lost, it is possible to enter the data through the data adapter. It is not necessary to re-enter the program.

Prompt	Response	Comment
REQ:	NEW	Request = NEW
TYPE:	a...a	Type of data block (TYPE responses begin on page 212)
TN	l s c u c u	Terminal Number (as defined on page 210)
CDEN	aa	Card Density (aa = SD, DD, 4D, or 8D)
DES	d...d	Office Data Administration System Station Designator
CTYP	(XDLC) EDLC	Card type
CUST	xx	Customer number associated with this set
BUID	x...x	dialable DN, Main Office user id

MOTN		Main Office TN
	<CR>	Accept default when CS 1000S is the Main Office
	l s c u	When main office is a Large System or CS 1000E.
MPHI	(NO) YES	Meridian Communications Unit used as MPH interface
KLS	1-7	Number of Key/Lamp Strips
AOM	0-2	Number of Add-on Modules
KBA	(0)-2	Key-Based Accessory
ZONE	0-255	Zone Number which IP Phone 2004 set belongs
LANG	a	Language choice
FDN	x...x	Flexible CFNA DN
TGAR	xx	Trunk Group Access Restriction
LDN	aaa	Listed Directory Number Index as defined in LD 15
NCOS	(0)-99	Network Class of Service group
RNPG	(0)-4095	Ringing Number Pickup Group
SSU	0-4095	System Speed call list number
XLST	(0)-7	Pretranslation group associated with this station
SCPW	xxxx	Station Control Password
SGRP	(0)-999	Scheduled Access Restriction Group number
ELKP	x...x	Electronic Lock Password (1-15 digits)
SFLT	a...a	Secretarial Filtering (a...a = (NO), BOSS, or SEC)
- SFDN	xxxx	Secretarial Forwarding DN of secretary set
CAC	(0)-10	Category Code for CNI of MFC trunks
CAC_CIS	0-(3)-9	CIS ANI category code
CAC_MFC	(0)-10	MFC CNI Category Code
CLS	aaaa	Class of Service (CLS responses begin on page 148)
ARTO	(0)-3	Alternate Redirection Time Option for call redirection
AFD	x...x	Alternate Flexible Call Forward DN
AHNT	x...x	Alternate Hunt DN
AEFD	x...x	Alternate External Flexible Call Forward DN
AEHT	x...x	Alternate External Hunt DN
MAUT	(NO) YES	Modify authorization codes for this telephone
- SPWD	xxxx	Secure Data Password

- AUTH	n xxxx	Authorization code
RCO	(0)-2	Ringing cycle option for Call Forward No Answer
ICT	0-<NIPN>	Intercept Computer Terminal or printer number
TOV	(0)-3	Timeout Value for the Data port
DTAO	a...a	Data Option (a...a = (MPDA) or MCA)
PSEL	a...a	Protocol Selection (a...a = (DMDM) or TLNK)
OPE	(NO) YES	Change data port Operating Parameters
- PSDS	(NO) YES	Public Switched Data Service option
- TRAN	a...a	Port Transmission type (a...a = (ASYN) or SYN)
- PAR	a...a	Parity (a...a = (SPACE), EVEN, ODD, or MARK)
- DTR	(OFF) ON	Data Terminal Ready settings
- DUP	aaaa	Duplex (aaaa = (FULL) or HALF)
- HOT	(OFF) ON	Hotline
- AUT	(ON) OFF	Auto Answer
- AUTB	(ON) OFF	Auto Baud rate
- BAUD	0-(7)-10	Baud rate index for the data port
- DCD	(ON) OFF	Dynamic Carrier Detect
- PRM	(ON) OFF	Prompt for terminal or host mode
- VLL	(OFF) ON	Virtual Leased Line
- MOD	(NO) YES	Mode
- INT	(OFF) ON	Meridian 1/SL-100 Interworking
- CLK	(OFF) ON	Clock
- DEM	aaa	Data Equipment Mode (aaa = (DCE) or DTE)
- DLNG	aaa	Language preference for DAC prompts (aaa = (ENG) or FRN)
- KBD	(ON) OFF	Keyboard Dialing
- V25	(NO) YES	V.25 bis option, synchronous mode only
- HDLC	(NO) YES	High Level Data Link Control
- RTS	(ON) OFF	Request To Send (applies to asynchronous mode only)
EFD	x...x	Flexible CFNA DN for External calls
HUNT	x...x	Hunt DN of next station in hunt chain
EHT	x...x	External Hunt DN
LHK	(0)-69	Last Hunt Key number limit

LNRS	4-(16)-31	Last Number Redial Size
TEN	1-511	Tenant number
OHID	(0)-9	Off-Hook Alarm Security DN index for off-hook or interdigit timeout.
FSVC	(0)-9	Forced Out of Service Off-Hook Alarm Security DN index
SCI	(0)-7	Station Category Indication priority level
WIRE	(OFF) ON	Wire test
PBDO	(OFF) ON	Port Busy when DTR off
LPK	(0)-69	Line Preference Key
PLEV	0-(2)-7	Priority Level
FCAR	(NO) YES	Forced Charge Account Restricted
LTN	1-253 0-15	Logical TN and AUX link number
SPID	x...x	ACD Supervisor Position ID DN
AST	xx yy	Associate Set Assignment for Meridian Link applications
IAPG	(0)-15	Meridian Link Unsolicited Status Message (USM) group
ITNA	(NO) YES	Idle TN for the Third Party Application
DGRP	(1)-5	Device Group
PRI	(1)-32	Priority level for ACD agent
LANG	(0)-5 X	Language choice for Automatic Wake Up (AWU) calls
MLWU_LANG	aaaa,bbbb	Language choice for Automatic Wake Up (AWU) calls
MLNG	a...a	Language selection for the M3902, M3903, M3904, or M3905. Where: a...a = <CR> no change. a...a = ENG, FRE, GER, DUT, SPA, ITA, NOR, SWE, DAN, POR, FIN, POL, CZE, HUN, JAP, RUS, LAT, TUR.
DTMK	x...x	Data Mode Key number for a dynamic voice/data TN
DNDR	(0)-120	Directory Number Delayed Ringing (in seconds)
DCFW	x...x	Default Call Forward DN
KEY	xx aaa yyyy zz..z	Telephone function key assignments (KEY responses begin on page 173)
- MARP	(NO) YES	Multiple Appearance Redirection Prime
- CPND	aaa	Calling Party Name Display

- - CPND_LANG	aaa	Calling Party Name Display Language
- - NAME	aaaa,bbbb	Calling Party Name Display name
- - XPLN	xx	Expected NameLength
- - DISPLAY_FMT	aaa	Display Format for CPND name
- VMB	aaa	Voice Mailbox
- - VMB_COS	0-127	Voice Mailbox Class of Service
- - SECOND_DN	x...x	Second DN sharing the Voice Mailbox
- - THIRD_DN	x...x	Third DN sharing the Voice Mailbox
- - KEEP_MSGS	(NO) YES	Preserve Meridian Mail Messages and current password

Copy a telephone

ACD supervisory telephones cannot be copied. Associate set (AST) assignments are not copied to the new telephones.

Prompt	Response	Comment
REQ:	CPY n	Request = CPY n
TYPE:	a...a	Type of data block (TYPE responses begin on page 212)
CFTN	l s c u c u	Copy From Terminal Number (as defined on page 210)
SFMT	aaaa	Select Format. You may respond to SFMT with: AUTO, TNDN, TN or DN. Subprompts follow each of these responses as follows:
	AUTO	The system provides the new DNs or position IDs (for ACD telephones) and TNs by automatically selecting consecutive unused DNs or ACD position IDs and TNs.
- TN	l s c u c u	TN of new set (as defined on page 210)
- DN	x...x yyyy	Directory Number and CLID table entry (Range is (0)-value entered for SIZE prompt in LD 15 minus one)
- POS	xxxx	ACD position ID of new set

	TNDN	Manual selection of DNs or ACD position IDs and TNs. You are prompted for the DN or ACD position ID and TN of each new telephone.
- TN	l s c u c u	TN of new set (as defined on page 210)
- DN	x..x yyyy	Directory Number and CLID table entry (Range is (0)-value entered for SIZE prompt in LD 15 minus one)
- POS	xxxx	ACD Position ID of new set
	TN	The new DNs or ACD Position IDs are provided by the system. You are prompted for the starting DN or ACD Position ID and each TN. TN is prompted -n- times as defined in the CPY command.
- TN	l s c u c u	TN of new set (as defined on page 210)
- DN	x..x yyyy	Directory Number and CLID table entry (Range is (0)-value entered for SIZE prompt in LD 15 minus one)
- POS	xxxx	ACD Position ID of new set
	DN	The new TNs are provided by the system. You are prompted for the starting TN and each DN or ACD Position ID.
- TN	l s c u c u	TN of new set (as defined on page 210)
- DN	x..x yyyy	Directory Number and CLID table entry (Range is (0)-value entered for SIZE prompt in LD 15 minus one)
- POS	xxxx	ACD Position ID of new set

Easy change

Prompt	Response	Comment
REQ:	CHG	Request = CHG
TYPE:	a...a	Type of data block (TYPE responses begin on page 212)
TN	l s c u c u	Terminal Number (as defined on page 210)
ECHG	YES	Easy Change
ITEM	aaaa bbbb	Item (aaaa = Program mnemonic ; yyy = its new value)

Move a telephone

If moving a voice unit with an associated data unit, the data unit must also be moved. On NT8D02 Digital Line Card, both voice and data TNs can be moved by entering MOV PAIR in response to the REQ prompt.

Prompt	Response	Comment
REQ:	a...a	Request = MOV or MOV PAIR
TYPE:	a...a	Type of data block (TYPE responses begin on page 212)
TN	l s c u c u	Terminal Number (as defined on page 210)
TOTN	l s c u c u	To Terminal Number (as defined on page 210)

Remove a telephone

Before removing an ACD agent telephone, first remove the associated AGT key on the supervisor's telephone.

Prompt	Response	Comment
REQ:	OUT	Request = OUT
TYPE:	a...a	Type of data block (TYPE responses begin on page 212)
TN	l s c u cu	Terminal Number (as defined on page 210)

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
ADAY	(0)-3	Alternate Days as defined in LD 15 Prompted if CLS = RBDA	basic-24
AEFD		Alternate External Flexible Call Forward DN. Remove by setting CLS = RTDD or CFTD.	basic-22
	x...x	Alternate Redirection DN (up to 13 digits)	
AEHT		Alternate External Hunt DN. Remove by setting CLS = RTDD or CFTD.	basic-22
	x...x	Alternate Redirection DN (up to 13 digits)	
AFD		Alternate Flexible Call Forward DN. Remove by setting CLS = RTDD.	basic-22
	x...x	Alternate Redirection DN (up to 13 digits)	
AHNT		Alternate Hunt DN. Remove by setting CLS = RTDD.	basic-22
	x...x	Alternate Redirection DN (up to 13 digits)	
AHOL	(0)-3	Alternate Redirection Holiday as defined in LD 15 Prompted if CLS = RBHA	basic-24

Prompt	Response	Comment	Pack/Rel
ANIE	(0)-n	ANI Entry: it is of (0)-N where N=S_SIZE in customer data block. If ANIE=0, no entry is associated with the set. The old mechanism will be used for building the ANI message. If ANIE is of 1-N: • If ANIC = YES for the outgoing CIS route where the call takes place, then the components of the ANI message are retrieved from the ANI entry in Customer Data Block, if configured. • If the given ANI Entry is not configured, or if ANIC = NO for the outgoing CIS route where the call takes place, then the old mechanism is used for building the ANI message.	cist-24
AOM	0-2	Number of Add-on Modules. AOM appears if TYPE = M2216 and M2616.	arie-14
ARTO	(0)-3	Alternate Redirection Time Option for call redirection, defined in the customer data block. ARTO is prompted if CLS = RTDA.	basic-22
AST	xx yy	Associate Set Assignment for Meridian Link applications A maximum of two DN keys, xx and yy, can be controlled by the host computer. Precede with X to delete.	iap3p-12
AUT	(ON) OFF	Enable Auto-Answer Do not enable Auto-Answer	arie-14
AUTB	(ON) OFF	Auto Baud rate enabled Auto Baud rate disabled AUTB is prompted if TYPE = R232 or R422 and if HOT = OFF.	dac-16

Prompt	Response	Comment	Pack/Rel
AUTH	n xxxx	Authorization code. Where: • n = the number of the assigned authorization code (1-6) • xxxx = assigned authorization code (Any authorization code assigned in LD 88 is valid). AUTH appears when CLS = Authorization Code Required (AUTR).	ssau-19
BAUD		Baud rate	mcu/arie-19
	0-(7)-8	Baud rate index for the data port for data port on M2006, M2008, M2216 and M2616 telephones and Data Access Card.	
	0-(7)-10	Baud rate index for the data port for M3901,M3902, M3903, M3904, and M3905 telephones. The following values apply to: • MPDA-1 • MCA with DTAO = MPDA and TRAN = ASYN • MCA with DTAO = MCA • TYPE = MCU and TRAN = ASYN Where: 0 = 110, 1 = 150, 2 = 300, 3 = 600, 4 = 1200, 5 = 2400, 6 = 4800, (7) = 9600, 8 = 19,200, 9=28,800, and 10=33,600.	basic-24
	0-(11)-12	The following values apply to: • MCA with DTAO = MPDA, with MCA hardware • TRAN = SYN, MCA with TRAN = SYN • MCA with DTAO = MCA Where: 0 = 1200, 1 = 2400, 2 = 3600, 3 = 4800, 4 = 7200, 5 = 9600, 6 = 14,400, 7 = 19,200, 8 = 38,400, 9 = 40,800, 10 = 48,000, (11) = 56,000, and 12 = 64,000. With DAC, BAUD is only prompted if AUTB (Auto Baud Rate) = OFF.	

Prompt	Response	Comment	Pack/Rel
BUID	x...x	Dialable DN, Main Office user id For CS 1000S	 sbo-2
		Enter X to delete	
CAC_CIS			cist-24
	0-(3)-9	CIS ANI Category Access Code	
CAC_MFC			cist-24
	(0)-10	MFC CNI Category Access Code	
CDEN	SD	Single Card Density	basic-7
	DD	Double Card Density	
	4D	Quadruple Card Density	
	8D	Octal Card Density	
		CDEN defaults to the density of the network loop. CDEN is not prompted for Small System and CS 1000S Model sets or superloops.	
CFTN	l s c u	Copy From Terminal Number	basic-12
		General TN format	
		Large System format: l s c u = loop, shelf, card, unit CS 1000E format: l s c u = loop, shelf, card, unit	 basic-4.0
	c u	Small System format: c u = card, unit	
	c u	CS 1000S format: c u = card, unit	basic-1
	c u	Format for MG 1000B, and MG 1000T	basic-4.0
		Use this TN as a template for new sets. ACD supervisory sets cannot be copied. Associate set (AST) assignments are not copied to the new sets.	
		With the introduction of Phantom TNs, the system checks to be sure that TNs are not moved or copied from phantom TNs to non-Phantom TNs or visa versa.	
		CFTN appears if REQ = CPY.	
CLK	(OFF)	Clock off	arie-14
	ON	Clock on	

Prompt	Response	Comment	Pack/Rel
CLS		Class of Service options	basic-1
		The following CLS assignments determine the calling options and features available to the telephone. Defaults are shown in parentheses. Enter each non-default option required, separated by a space.	
		Access Restrictions	basic-1
	(CTD)	Conditionally Toll Denied (default)	
	UNR	Unrestricted	
	CUN	Conditionally Unrestricted.	
	TLD	Toll Denied.	
	SRE	Semi-Restricted.	
	FRE	Fully Restricted.	
	FR1	Fully Restricted 1.	
	FR2	Fully Restricted 2.	
	(AAD)	Automatic Answerback Denied	aab-10
	AAA	Automatic Answerback Allowed	
		Automatic Answerback can be used on M2317, M2616, and IP Phones with handsfree capability. A special hardware kit is required for Companion 4 speakerphones.	
		Automatic Answerback must have CLS = HFA for M2616, and IP Phones (excluding IP Phone 2001). CLS AAA or AAK keys are not allowed for M2317 and IP Phone 2001 TNs.	
	(ABDD)	Abandoned call record and time to answer Denied	fcdr-18
	ABDA	Abandoned call record and time to answer Allowed	
		Digit Display	ddsp-1
	ADD	Automatic Digit Display, default for M2008, M2216, M2317, M2616, and M3000.	
	DDS	Delay Display, display activates after call is answered	
	NDD	No Digit Display, default for M2006	

Prompt	Response	Comment	Pack/Rel
	TDD	Tandem Digit Display. Automatic set display feature, TDD Class of Service is default for M3902, M3903, M3904, and M3905, and applicable to all Meridian 1 proprietary sets except for the M2006 which does not have display capability. ***Note:*** Manufacturer discontinued sets, such as the M2317 and the SL1, can be configured with TDD Class of Service however, may not have full functionality of the Automatic Set Display feature.	
	(AGN) SPV	ACD Agent ACD Supervisor	
	(AGRD) AGRA	Agent Greeting Denied Agent Greeting Allowed	fxs-25
	(AHD) AHA	Automatic Hold Denied Automatic Hold Allowed	supp-10
	(ARHD) ARHA	Audible Reminder of Held Call Denied Audible Reminder of Held Call Allowed	basic-14
	(ASCD) ASCA	Alarm Security Denied Alarm Security Allowed	ohas-18
	(AUTU) AUTD AUTR	Unrestricted Authorization code Class of Service Denied Authorization code Class of Service Restricted Authorization code Class of Service When the CLS is changed from AUTR to AUTU or AUTD, all previous telephone authorization code information is removed. This Class of Service is valid only when Station Specific Authorization Codes (SSAU) package 229 is equipped.	ssau-19

Prompt	Response	Comment	Pack/Rel
	(BFED)	Boss Secretary Feature Enhancement Denied	ffcsf-24
	BFEA	Boss Secretary Feature Enhancement Allowed	
	(BUZZ)	Buzz	basic-24
	RNGI	Apply ringing when idle but off hook	
	RNGB	Apply ringing when idle but off hook or busy on the other line	
	(CCBD)	Collect Call Blocking Denied (permits a set to accept collect calls)	ccb-21
	CCBA	Collect Call Blocking Allowed (prevents a set from accepting collect calls Collect Call Blocking (CCB) package 290 is required.	
	(CCSD)	Controlled Class of Service Denied	ccos-7
	CCSA	Controlled Class of Service Allowed CCSA is required for the Electronic Lock feature. Must have Controlled Class of Service (CCOS) package 81.	
	(CDCA)	Conferee Display Count Allowed.	basic-23
	CDCD	Conferee Display Count Denied.	
	CDMA	CDMA allows external station activity records to be generated for the set	CDMA
	(CDMD)	CDMD denies external station activity records to be generated for the set	emct-20
	(CDMR) CDMV CDMO	Converged Desktop Multimedia Restricted (default) Converged Desktop Multimedia and Voice Converged Desktop Multimedia Only	sip-4.00
	(CFHD)	Call Forward Hunt Override Denied	cfho-20
	CFHA	Call Forward Hunt Override Allowed	

Prompt	Response	Comment	Pack/Rel
	(CFTD) CFTA	Call Forward by Call Type Denied/Allowed If response is CFTA, you must also designate HTA, FNA or both.	optf-10
	(CFXD) CFXA	Call Forward All Calls to External DN Denied Call Forward All Calls to External DN Allowed Examples of external DNs are: • Route Access Code • ESN Access Code • CDP Distant Steering Code When denied, a call can only be forwarded to the following internal DNs: • Single or multi-line telephone • Attendant DN or CAS local attendant DN • Listed DN as defined in LD 15 • Message Center DN where MWC = YES	optf-19
	(CLBD) CLBA	Deactivate Calling Party Number and Name per-line blocking Activate Calling Party Number and Name per-line blocking The user may still request CPP by dialing the CPP code.	cpp-21
	(CLTD) CLTA	Network Call Trace from this telephone Denied Network Call Trace from this telephone Allowed	pra-17
	(CMSD) CMSA	Command and Status link Denied Command and Status link Allowed CMSA is not supported by M2317, and M3000.	csl-8
	(CNDD) CNDA	Call Party Name Display Denied Call Party Name Display Allowed CNDA allows user names to be displayed on the telephone's digit display.	cpnd-10

Prompt	Response	Comment	Pack/Rel
	(CNID)	Call Number Information Denied	bgd-10
	CNIA	Call Number Information Allowed	
	(CNTD)	Network ACD Countdown Denied	nacd-15
	CNTA	Network ACD Countdown Allowed Only allowed on ACD agent telephones.	
	(CPFA)	Forced Camp-On from another set Allowed	scmp-15
	CPFD	Forced Camp-On from another set Denied	
	(CPTA)	Forced Camp-On to another set Allowed. CPTA is the default for VCE TNs.	scmp-15
	CPTD	Forced Camp-On to another set Denied	
	(CRPD)	Corporate Directory Denied	arie-25
	CRPA	Corporate Directory Allowed Only applies for M3903 and M3904 units.	
	(DAPA)	Display Access Prefix Allowed	isdn-24
	DAPD	Display Access Prefix Denied	
	(DDGA)	DN Display on other set Allowed	dpd-21
	DDGD	DN Display on other set Denied	
	(DELD)	Dealer Denied	ohol-20
	DELA	Dealer Allowed Must have On-Hold On Loudspeaker (OHOL) package 196.	
	(DNAA)	DN of the key that makes the call used in ANI messages.	cist-21
	DNAD	Outgoing CDTI2/CSDTI2 route ANDN used as DN in ANI messages Must have Commonwealth of Independent States Trunk Interface (CIST) package 221.	

Prompt	Response	Comment	Pack/Rel
	(DNDD)	Dialed Name Display Denied	cpnd-13
	DNDA	Dialed Name Display Allowed DNDA allows the display of the originally dialed DN's names on redirected calls. Name display applies to M2317, M3000 or Meridian Modular telephones with displays. Must have Calling Party Name Display (CPND) package 95. Must also have CLS = CNDA. CLS is not DTA.	
	(DNDY)	Diversion Notification with called party's number and name when available.	qsig ss-23
	DNDN	Diversion Notification without called party's number and name notification.	
	(DNO3)	Diversion Notification Option with diverted-to party's number and name when available.	qsig ss-23
	DNO1	Diversion Notification Option without notification.	
	DNO2	Diversion Notification Option without diverted-to party's number and name.	
	(DOS)	ACD Supervisory Set Denied observation of other supervisory sets	acdb-1
	AOS	ACD Supervisory Set Allowed observation of other supervisory sets Must have CLS = SPV.	
	(DPUD)	DN Pickup Denied	dcp-12
	DPUA	DN Pickup Allowed	
	(DRDD)	Distinctive Ringing by Directory Number Denied.	edrg-24
	DRDA	Distinctive Ringing by Directory Number Allowed.	

Prompt	Response	Comment	Pack/Rel
		Digital telephone distinctive ringing	drng-7
	(DRG1)	High fast tone, frequency 667 Hz/500 Hz, warble rate 10.4 Hz	
	DRG2	High slow tone, frequency 667 Hz/ 500 Hz, warble rate 2.6 Hz	
	DRG3	Low fast tone, frequency 333 Hz/ 250 Hz, warble rate 10.4 Hz	
	DRG4	Low slow tone, frequency 333 Hz/ 250 Hz, warble rate 2.6 Hz	
		DRG3 and DRG4 distinctive ringing for M2006 and M2008 telephones are different.	
	DRG3	Low fast tone, frequency 1600/ 2000 Hz, warble rate 10.0 Hz	
	DRG4	Low slow tone, frequency 1600/ 2000 Hz, warble rate 2.5 Hz	
	(DSX)	Data Service access or IS Server TN Denied	cls-8
	DSI	Data Service access or IS Server TN Allowed CLS is automatically set to DTA.	
	(ELD)	Erase lists Denied	basic-25.4
	ELA	Erase lists Allowed	
	(EXR0)	Executive Distinctive Ringing Off (0)	edrg-16
	EXR1	Executive Distinctive Ringing Tone 1	
	EXR2	Executive Distinctive Ringing Tone 2	
	EXR3	Executive Distinctive Ringing Tone 3	
	EXR4	Executive Distinctive Ringing Tone 4	
		The digit indicates which of the four distinctive ringing tones and cadences defined in LD 56 is to be used. Executive Distinctive Ringing (EDRG) package 185 is required. Must have (DRDD) class of service.	

Prompt	Response	Comment	Pack/Rel
	(FBD)	Call Forward Busy Denied	basic-1
	FBA	Call Forward Busy Allowed This feature sends DID calls encountering a busy condition to the attendant. Call Forward Busy should have Hunting and Call Waiting denied, CLS = HTD and CWD, since Hunting and Call Waiting take precedence over FBA.	
	(FDSD)	Force Disconnect Denied	ponw-25.4
	FDSA	Force Disconnect Allowed	
	(FICD)	Forward Intercom Calls Denied	basic-21
	FICA	Forward Intercom Calls Allowed	
	(FITD)	Flexible Incoming Tones Denied	basic-14
	FITA	Flexible Incoming Tones Allowed For Digital sets OPT must be DBA in LD 15.	
	(FLXD)	Flexible voice/data Denied	basic-22
	FLXA	Flexible voice/data Allowed FLXA is only allowed for Aries sets. By entering FLXA, you may configure dynamic voice/data TNs by assigning VCE to the upper TN (unit 16-31) and DTA to the lower TN (unit 0-15). You also have the option of designating a SCR key as DTM (data mode). Warning: If connecting the Aries set only to the TCM loop, this option should not be specified. External equipment which can use this capability should be connected. Warning: When changing from CLS DTA to CLS VCE, CLS WTA should also be assigned to avoid conflict with CLS CPTA. CLS CPTA is the default for VCE TNs.	
	(FND)	Call Forward No Answer Denied	basic-1
	FNA	Call Forward No Answer Allowed	

Prompt	Response	Comment	Pack/Rel
	(FRN)	French language display	dlt2-12
	ENG	English language display For M2317 alphanumeric display sets.	
	(FTTC)	Flexible Trunk to Trunk Connections Conditional allows trunk to trunk connections for supervised Conference.	basic-23
	FTTR	Flexible Trunk to Trunk Connections Restricted denies trunk to trunk connections for Transfer and unsupervised Conference.	
	FTTU	Flexible Trunk to Trunk Connections Unrestricted allows trunk to trunk connections for both Conference and Transfer.	
	FXSP	Flexible Services Port	fxs-25
	(GPUD)	Group Pickup Denied	dcp-12
	GPUA	Group Pickup Allowed Group Pickup is not allowed on telephones in group zero, RNPG = 0.	
	(GRLD)	Group Listening Denied	basic-24
	GRLA	Group Listening Allowed For M3902, M3903, M3904 sets.	
	(HBTD)	Hunt By Call Type Denied	basic-10
	HBTA	Hunt By Call Type Allowed	

Prompt	Response	Comment	Pack/Rel
	(HFD)	Handsfree Denied	arie-14
	HFA	Handsfree Allowed Available for M2008, M2616, M3902, M3903, M3904, all IP Phones (except IP Phone 2001 and IP Phone 1110), and IP SoftPhone 2050 telephones. Handsfree capability on all other telephones is a function of the hardware and does not require HFA Class of Service in order to operate. ACD agent digital telephones and IP Phones (except IP Phone 2001 and IP Phone 1110) must have CLS = HFA.	
	(HSPD)	Hospitality Denied, used for Hospitality Management HSPD is for administration sets.	hvs-16
	HSPA	Hospitality Allowed, used for Hospitality Management HSPA is for room sets. For HSPA, you must also enter CLS = CCSA and CLS = MRA. HSPA CLS cannot be entered for a set with transfer or conference capability. Prime DN must be single appearance, single call ringing or non-ringing.	
	(HSTD)	Host Terminal Denied	arie-25
	HSTA	Host Terminal Allowed	
	(HTD)	Hunting Denied	basic-1
	HTA	Hunting Allowed	
	(ICDD)	Internal Call Detail Recording Denied	icdr-10
	ICDA	Internal Call Detail Recording Allowed	
	(IMD)	Integrated Messaging Service Attendant Denied	ims-2
	IMA	Integrated Messaging Service Attendant Allowed	
	(IPND)	Intercept Position Denied	icp-10
	IPNA	Intercept Position Allowed	
	(IRD)	Incoming Ringing Line Preference Denied	lsel-4

Prompt	Response	Comment	Pack/Rel
	IRA	Incoming Ringing Line Preference Allowed	
	(LLCN)	Line Load Control off	llc-10
	LLC1	Class 1	
	LLC2	Class 2	
	LLC3	Class 3	
	(LMPN)	Red LED on Meridian Modular Telephone reflects the status of the mailbox associated with the PDN	vmba-24
	LMPX	Red LED on Meridian Modular Telephone reflects the status of the mailbox associated with the PDN and non-PDNs	
	(LND)	Last Number Redial Denied	lnr-8
	LNA	Last Number Redial Allowed Must have OPT = LRA in LD 15.	
	(LPR)	Low Priority Station	povr-16
	HPR	High Priority Station High Priority will place this set or trunk at the top of the dial tone queue.	
	(LVXD)	LOGIVOX Class of Service Denied	supp-10
	LVXA	LOGIVOX Class of Service Allowed	
	MCBY	Set linked to a MICB line card.	basic-25
	MCBN	Set linked to a non-MICB line card.	
	(MCTD)	Malicious Call Trace Denied	mct-10
	MCTA	Malicious Call Trace Allowed The TRC key must be removed before changing MCTA to MCTD. MCT is applied on a TN basis.	
	(MIND)	Message Intercept Denied	mr-15
	MINA	Message Intercept Allowed	

Prompt	Response	Comment	Pack/Rel
	MMA	Multimedia Allowed	ngen-24
	(MOAD)	Mute on Answer Denied	fxs-25
	MOAA	Mute on Answer Allowed	
	(MRD)	Message Registration Denied	mr-10
	MRA	Message Registration Allowed	
	(MSID)	Make Set Busy Improvement Denied	msb-24
	MSIA	Make Set Busy Improvement Allowed	
	(MTD)	Maintenance Telephone Denied	basic-1
	MTA	Maintenance Telephone Allowed	
	(MWD)	Message Waiting Denied	mwc-1
	MWA	Message Waiting Allowed If CLS = MWA and there is no Message Waiting Key (MWK) defined, then the red Message Waiting LED lights to indicate Message Waiting notification.	
	(NAID)	No Answer Indication Denied	basic-21
	NAIA	No Answer Indication Allowed	
	(NAMA)	Name Display on other set Allowed	dpd-21
	NAMD	Name Display on other set Denied	
	(NOVD)	Network Override/Breakin Denied	pomw-25.4
	NOVA	Network Override/Breakin Allowed	
	(NID)	Non-ringing Incoming Line Preference Denied	lsel-4
	NIA	Non-ringing Incoming Line Preference Allowed	
	(NRCD)	Night Restriction for Forced Campon Denied	povr-16
	NRCA	Night Restriction for Forced Campon Allowed	

Prompt	Response	Comment	Pack/Rel
		If Night Restriction is allowed, then Forced Campon for this set is allowed during Night Service only.	
	(NROD)	Night Restriction for Priority Override Denied	povr-16
	NROA	Night Restriction for Priority Override Allowed If Night Restriction is allowed then Priority Override for this set is allowed during Night Service only.	
	(NRWD)	Night Restriction for Call Waiting Denied	povr-16
	NRWA	Night Restriction for Call Waiting Allowed If Night Restriction is allowed Call Waiting for this set is permitted during Night Service only.	
	(OBPD)	Observe Password Disabled	oas-3.0
	OBPA	Observe Password Allowed	
	(OCBD)	Outgoing Call Barring Denied	ccb-21
	OCBA	Outgoing Call Barring Allowed Flexible Feature Codes (FFC) package 139 and New Flexible Code Restriction (NFCR) package 49 are required.	
	(OLD)	Outgoing Line Preference Denied	lsel-4
	OLA	Outgoing Line Preference Allowed	
	(ONDD)	One Number Delivery Denied for a portable	basic-22
	ONDA	One Number Delivery Allowed for a portable	
	(OUSD)	Observe using SCL Denied	oas-3.0
	OUSA	Observe using SCL Allowed	
	(PCWD)	Deny Precedence Call Waiting.	atvn
	PCWA	Allow Precedence Call Waiting. Requires Station Loop Preemption (SLP) package. Requires PRMA class of service.	

Prompt	Response	Comment	Pack/Rel
	(PDN)	Primary Directory Number	pra-12
	LDN	Listed Directory Number Index as defined in LD 15 This is the number used for Calling Line Identification or CLID.	
	(PGND)	Deny PAGENET access	pagenet-22
	PGNA	Allow PAGENET access PGND/A allowed if PAGENET package 307 is equipped.	
	(PHTD)	Deny Precedence Hunting	atvn
	PHTA	Allow Precedence Hunting Requires Station Loop Preemption (SLP) package. Requires HTA and PRMA class of service.	
	(PRMD)	Deny Preemption	atvn
	PRMA	Allow Preemption Requires Station Loop Preemption (SLP) package. Requires Warning Tone Allowed (WTA) class of service.	
	(POD)	Privacy Override Denied	basic-5
	POA	Privacy Override Allowed The Privacy Optional feature is used with multiple appearance DNs.	
	(PRSD)	Priority Call Pickup Denied	povr-15
	PRSA	Priority Call Pickup Allowed	
	(PUD)	Call Pickup Denied	grp-1
	PUA	Call Pickup Allowed Default changes to PUA if Ringing Number Pickup Group (RNPG) is defined. Call Pickup is not allowed on telephones in group zero or RNPG = 0.	

Prompt	Response	Comment	Pack/Rel
	(RBDD)	Redirection By Day Denied	basic-24
	RBDA	Redirection By Day Allowed	
	(RCC)	Restricted from Receiving Collect Calls	fca-10
	UCC	Unrestricted from Receiving Collect Calls	
	(RBHD)	Redirection By Holiday Denied	basic-24
	RBHA	Redirection By Holiday Allowed	
	(RCBD)	Recall to Boss Denied	bfs-24
	RCBA	Recall to Boss Allowed	
	(RDLA)	Automatic Redial Allowed	ardl-22
	RDLD	Automatic Redial Denied	
	(RLFD)	Reversed Lamp Flash Denied	supp-10
	RLFA	Reversed Lamp Flash Allowed LOGIVOX must be assigned RLFA.	
	(RMMD)	Remote Monitoring of Messages Denied	vmba-24
	RMMA	Remote Monitoring of Messages Allowed	
	RMMO	Allow Remote Monitoring of Messages and to Override, if it is being already monitored	
	(RTDD)	Call Redirection by Time of day denied	basic-22
	RTDA	Call Redirection by Time of day allowed	
	(SFD)	Second level CFNA Denied	basic-10
	SFA	Second level CFNA Allowed SFA requires the FNA Class of Service.	
	(SMWD)	Extended Message Waiting Indication Denied	mw-24
	SMWA	Extended Message Waiting Indication Allowed Only applies for M3903, M3904 and M3905 units.	

Prompt	Response	Comment	Pack/Rel
	(STSD)	Set-to-Set Messaging Denied	arie-25
	STSA	Set-to-Set Messaging Allowed Only applies for M3903 and M3904 units.	
	(SWD)	Station-to-Station Call Waiting Denied	basic-8
	SWA	Station-to-Station Call Waiting Allowed A Call Waiting key or CWT must be defined. Must have CLS = HTD since hunting takes precedence.	
	(TEND)	Tenant Service Denied	tens-7
	TENA	Tenant Service Allowed	
	(T87D)	Deny Remote Call Control	ms_conv-4.50
	T87A	Allow Remote Call Control Class of Service CDMV and T87A are mutually exclusive with Converged Office.	
	(ULAD)	Deny access to Set Based Administration	adminset-21
	ULAA	Allow access to Set Based Administration Must have Set Based Administration (ADMINSET) package 256.	
	(UDI)	Station is (not) restricted from receiving DID calls.	supp-10
	RDI	Station is restricted from receiving DID calls.	
	(USMD)	Meridian 911 position denied	m911-19
	USMA	Meridian 911 position allowed Must have Meridian 911 (M911) package 224.	
	(USRD)	User Selectable Call Redirection Denied	uscr-19
	USRA	User Selectable Call Redirection Allowed	
	(VOLA)	Allow Virtual Office operation from this TN For CS 1000S	sbo-2

Prompt	Response	Comment	Pack/Rel
	VOLD	Deny Virtual Office operation from this TN For CS 1000S	sbo-2
	(VOUA)	Allow Virtual Office login onto this TN using other phone (destination of Virtual Office login) For CS 1000S	sbo-2
	VOUD	Deny Virtual Office login onto this TN using other phone (destination of Virtual Office login) For CS 1000S	sbo-2
	XMWI	Extended Message Waiting indication Allowed	
	(VCE)	Voice Terminal	basic-5
	DTA	Data Terminal VCE is used for voice TNs. DTA is used for data. For 8 port Digital Line Cards, VCE for units 0-7 and DTA for units 8-15. For 16 port Digital Line Cards, VCE for units 0-15 and DTA for units 16-31. For 24 port Digital Line Card, VCE for units 0-23 and DTA is for units 24-31. ***Note:*** 24 port Digital Line Card not supported on small system and CS 1000S.	
	(VMD)	Server Voice Messaging Denied	cls-8
	VMA	Server Voice Messaging Allowed	
	(WTA)	Warning Tone Allowed	basic-1
	WTD	Warning Tone Denied	
	(XHD)	Exclusive Hold Denied	dhld-4
	XHA	Exclusive Hold Allowed	
CPND		Calling Party Name Display	cpnd-19

Prompt	Response	Comment	Pack/Rel
	NEW	New CPND entry	
	OUT	Delete CPND entry	
	CHG	Change CPND entry	
		Must have Calling Party Name Display (CPND) package 95 and CPND data block defined in LD 95.	
CPND_LANG		Calling Party Name Display Language	cpnd-19
	(ROM)	Roman	
	KAT	Katakana	
CSDN	x..x	Converged Service Directory Number Converged Desktop Service Control Directory Number (CDN) configured in LD 23. CSDN is only prompted if CLS is defined as CDMV or CDMO. NULL response is not accepted.	sip-4.0
CTYP	(XDLC)	Card type is 16 port DLC	basic-25
	EDLC	Card type is 24 port DLCVCE/DTA	
		EDLC not supported on Small Systems and CS 1000S.	
CUST	xx	Customer number associated with this set as defined in LD 15	basic-1
DBA	(0)-1	Display-Based Accessory	arie-25
		Note: The Key-Based Accessory (KBA) and Display-Based Accessory (DBA) are mutually exclusive.	
DCD		Dynamic Carrier Detect	arie-14
	(ON)	Enables Dynamic CD	
	OFF	Carrier Detect starts as inactive and follows the state of the call. With DAC, DCD is only prompted if TYPE = R232.	

Prompt	Response	Comment	Pack/Rel
DCFW	x...x	Default Call Forward DN. Prompted for Virtual Terminals only. Where: x...x = Default Call Forward DN where calls are to be forwarded. Maximum of 31 digits allowed. Precede with X to remove.	arie-25
DELETE_VMB		Delete Voice Mailbox	vmba-19
	(YES)	Remove the Voice Mailbox from the Meridian 1 and Meridian Mail	
	NO	Remove the Voice Mailbox from the Meridian 1 DELETE_VMB is prompted if REQ = OUT and TN has an associated Voice Mailbox. DELETE_VMB is allowed if the DN is a single appearance or multiple appearance DN on a single TN.	
DEM		Data Equipment Mode. Prompted if TYPE = R232.	dac-16
	(DCE)	Data Carrier Equipment	
	DTE	Data Terminal Equipment	
DES	d...d	ODAS Station Designator Enter a 1-6 alphanumeric character representing an Office Data Administration System (ODAS) Station Designator.	odas-1
DGRP	(1)-5	Device Group DGRP designates an AST BCS set into a specific device group. It is recommended that an AST phantom (BCS) TN should be a non-display BCS set. An AST BCS set of a phantom loop cannot be an ACD set.	basic-20
DISPLAY_FMT		Display Format for CPND name	cpnd-19
	(FIRST,LAST)	May be input as FIRST To view names as John Doe	
	LAST,FIRST		

Prompt	Response	Comment	Pack/Rel
		May be input as LAST To view names as Doe John	
DLNG		Language preference for the DAC prompts.	dac-16
	(ENG)	English	
	FRN	French	
		Prompted if TYPE = R232 or R422.	
DN	x..x yyyy	Directory Number (x..x) and CLID table entry (yyyy)	basic-12
		The DN can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. DN is not prompted for Small System and CS 1000S Model sets or if DIG is defined.	
		Range for CLID table entry is: [(0) - (value entered for SIZE prompt in LD 15 minus 1)]	
DNAN	(DNAA)	Customer Attendant DN (ATDN) + Attendant Number (ANUM) are used as ANI DN in 3WT ANI messages.	cist-21
	DNAD	ANDN of outgoing 3WT route is used as ANI DN in 3WT ANI messages.	
		Prompted with Commonwealth of Independent States (CIST) package 221.	
DNDR	(0)-120	Delay Value in seconds.	basic-21
		A DNDR value of 0 disables this feature. If the DNDR value is an odd number, then it is incremented to the next even number.	
DNRI	(0)-4	Distinctive Number Ringing index for Incoming calls	edrg-24
		The index NDR1-4 BCS is defined in LD 56	
DNRO	(0)-4	Distinctive Number Ringing index for Outgoing calls	edrg-24
		The index NDR1-4 BCS is defined in LD 56	
DSPL	(0)-500	Length of portable display (in characters).	basic-22

Prompt	Response	Comment	Pack/Rel
DSPT	(0)-2	Type of portable display: 0 = display is numeric 1 = display is alphabetic 2 = display is alphanumeric	basic-22
DTAO		Data Option, not prompted if TYPE = MCU.	arie-18
	(MPDA)	Software for Meridian Programmable Data Adapter	
	MCA	Software for Meridian Communications Adapter	
		The DTAO prompt determines the downloaded data, system, and operating parameters.	
DTMK	x...x	Data Mode Key number for a dynamic voice/data TN.	basic-22
		DTMK is prompted if the TN has both CLS = VCE and CLS = FLXA. There can be only one data mode key per TN. Any response to DTMK will overwrite a previous setting.	
		When changing from CLS = DTA to CLS = VCE, CLS = WTA should also be assigned to avoid conflict with CLS = CPTA.	
		Where x...x = number of the SCR/SCN key to be designated as the data mode key. This cannot be key 00.	
	<CR>	No data mode key. TN is not a dynamic voice/data TN.	
DTR		Data Terminal Ready settings	arie-14
	(OFF)	Dynamic DTR	
	ON	Forced DTR, force the data port to always be ready for transmission.	
		With the Data Access Card (DAC). DTR is prompted if TYPE = R232.	
DUP	(FULL)	Full Duplex	arie-14
	HALF	Half Duplex	

Prompt	Response	Comment	Pack/Rel
ECHG	(NO) YES	Easy Change This allows change to any prompt in this program without having to <CR> through all unrelated prompts. ECHG is prompted when REQ = CHG.	basic-12
EFD	x...x	Flexible CFNA DN for External calls EFD is the DN to which external calls are routed when there is no answer, if one of the following customer options is defined in LD 15: • FNAD = FDN • FNAT = FDN • FNAL = FDN A Group Hunt DN can be entered. The DN can be up to 4 digits without Directory Number Expansion (DNXP) package 150, or 13 digits with DNXP package 150. Call Forward by Call Type Allowed and Forward No Answer must be defined as the Class of Service (CLS = CFTA and FNA). LDNs, DLDNs, and Prime DNs will be accepted as valid input.	optf-10
EHT	x...x	External Hunt DN EHT is the DN hunted for by external busy calls when: • Class of Service is Call Forward by Call Type Allowed (CFTA) and Hunting Allowed (HTA) • the LD 15 prompt FNAD, FNAT, or FNAL = HNT A Group Hunt DN can be entered. This DN can be up to 4 digits without Directory Number Expansion (DNXP) package 150 or 13 digits with DNXP package 150. LDNs, DLDNs, and Prime DNs are accepted as valid input. To remove EFD or EHT DNs, change CFTA Class of Service to CFTD. Prompted when CFTA is defined.	basic-10
	000	Short Hunt for external calls	
ELKP	x...x	Electronic Lock Password. Length is 1-15 digits	ffc-15

Prompt	Response	Comment	Pack/Rel
FCAR		Forced Charge Account Restricted	chg-1
	(NO)	Must use Forced Charge Account	
	YES	Restricted from using Forced Charge Account	
		Prompted if FCAF = YES in LD 15 and CLS = TLD, CUN or CTD.	
FDN	x...x	Flexible CFNA DN	optf-1
		FDN is used for internal calls, if CLS is CFTA and FNA. FDN is used for all calls if CLS is CFTD and FNA.	
		FDN can be up to 4 digits without Directory Number Expansion (DNXP) package 150 or 13 digits with DNXP package 150.	
		A Group Hunt pilot DN can be entered. Precede with X to delete.	
		FDN requires CLS = MWA or FNA. FDN is only used if one or more of the following customer options are defined in LD 15: • FNAD = FDN • FNAT = FDN • FNAL = FDN	
FSVC	(0)-9	Forced Out-of-Service Off-Hook Alarm Security DN index.	basic-18
		When Forced Out-of-Service condition occurs on a digital telephone with Alarm Security Allowed (ASCA) Class of Service, the telephone is intercepted to a predefined DN.	
		Enter the index number (0)-9 of the DN defined by LD 15 prompts ODN 0-9. ODN is the acronym for Change Off-Hook Alarm Security Directory Number options (OHAS DN).	
HDLC	(NO) YES	High Level Data Link Control	arie-18
		Prompted if V25 = YES.	

Prompt	Response	Comment	Pack/Rel
HOT		Hotline	arie-14
	(OFF)	Hotline is inactive for data port.	
	ON	Enables Hotline for data port. If HOT = ON, Auto Baud is forced OFF for the Data Access Card.	
HUNT	x...x	Hunt DN of next station in hunt chain This Hunt DN can be up to 4 digits without Directory Number Expansion (DNXP) package 150 or 13 digits with Directory Number Expansion (DNXP) package 150. Precede with X to delete.	basic-10
	000	Short Hunting A Group Hunt pilot DN can be entered. A Control Directory Number (CDN) can be defined as a Hunt DN for both physical and phantom 500/2500 sets. When a CDN is configured in this way, a call which comes to a busy DN can be Hunting or Call Forward Busy to a CDN. With Call Forward and Hunt by Call Type, this is the Hunt DN for: • internal calls if CLS = CFTA, or • for all busy calls if CLS = CFTD	
IAPG	0-9 (0)-15	Meridian Link Unsolicited Status Message (USM) group IAPG assigns AST DNs to a status message group defined in LD 15. These groups determine which status messages are sent for an AST set. The default Group 0 sends no messages, while Group 1 sends all messages.	aml-16
ICT	0-<NIPN>	Intercept Computer Terminal or printer number Number of Intercept Positions (NIPN) is defined in LD 15.	icp-16

Prompt	Response	Comment	Pack/Rel
INT		Meridian 1/SL-100 Interworking	arie-14
	ON	Enable Meridian 1 and SL-100 interworking	
	(OFF)	Do not enable Meridian 1 and SL-100 interworking	
ITEM	aaaa yyy	Respond with the desired program mnemonic (aaaa) and its new value (yyy). ITEM is reprompted until only a carriage return <CR> is entered. For example: REQ CHG TYPE SL1 TN lll ss cc uu ECHG YES ITEM KEY 07 ADL KEY <CR> KEY is prompted until <CR> is entered ITEM <CR> REQ	basic-12
	<CR>	Return to REQ	
ITNA		Idle TN for the Third Party Application.	basic-20
	(NO)	Do not identify an Associated Set (AST) to be used only by Third Party Application	
	YES	Identify an Associated Set (AST) to be used only by Third Party Application	
KBA		Key-Based Accessory for M3904 and M3905 which support key-based modules.	basic-24
	(0)	Configure keys up to and including 31	
	1	Configure keys up to and including 53	
	2	Configure keys up to and including 75	
KBD		Keyboard Dialing Option	dac-16

Prompt	Response	Comment	Pack/Rel
	(ON)	Enable Keyboard Dialing for data port	
	OFF	Enables Hayes mode	
KEEP_MSGS			vmba-19
	(NO) YES	Preserve Meridian Mail Messages and current password	
KEM	(0)-2	Number of attached IP Phone KEMs ***Note:*** Up to two IP Phone KEMs can be attached to an IP Phone. Pressing <CR> without entering a number leaves the value unchanged.	basic-4.0
KEMOFST			basic-4.0
	<KEM> <KeyOffset>	On I2002, automatically calculates the IP Phone KEM key number. Where: • Page = 0-1 KeyOffset = 0-23number from 0-23 ***Note:*** When values are entered for Page and KeyOffset, the KEY xx prompt displays.	
KEY	xx aaa yyyy (cccc ***or*** D) zz..z	Telephone function key assignments The following key assignments determine calling options and features available to a telephone. Note that KEY is prompted until just a carriage return <CR> is entered. xx = key number aaa = key name or function yyyy = additional information required for the key zz..z = additional information required for the key aaa. The cccc or D entry deals specifically with the Calling Line identification feature. Where: cccc = CLID table entry of (0)-N, where N = the value entered at the SIZE prompt in LD 15 minus 1. D = the character “D”. When the character “D” is entered, the system searches the DN keys from key 0 and up, to find a DN key with CLID table entry. The CLID associated with the found DN key will then be used.	basic-1

Prompt	Response	Comment	Pack/Rel
		Note: The position of the (cccc or D) field varies depending on the key name or function. You may enter a CLID table entry if aaa = ACD , HOT d, HOT L, MCN, MCR, PVN, PVR, SCN or SCR. Type xx NUL to remove a key function or feature. Some data ports require specific key assignments. Refer to the *Meridian Data Services* NTPs for information regarding these requirements. Key number limits that can be assigned are as follows: • 0-7 for Meridian Communications Adapter (MCA) 0-5 for M2006 • 0-7 for M2008 0-59 for M2616, varies with number of add-on modules 0-79 for I2002, varies with value of KEM basic-4.0 0-79 for I2004, varies with value of KEM basic-4.0 ***Note:*** The first IP Phone KEM is assigned keys 32-55, and the second IP Phone KEM is assigned keys 56-79. Type xx = NUL to remove a key function or feature for i2002 and i2004. basic-4.0 If either the Meridian Programmable Data Adapter (MPDA) or the Display Module is equipped, then key 7 on sets M2008, M2216, and M2616 sets and key 5 on set M2006 will become Program keys which cannot be used as function keys. Any printout of the TN block will not show key 7 because it is a local function key. On the M2616, if CLS = HFA, key 15 on the voice TN defaults to the Handsfree key. No other feature assignment is accepted. Primary and secondary data DNs must be unique. A station SCR, SCN, MCR, or MCN DN must be removed as a member from all Group Hunt lists before the DN can be modified.	

Prompt	Response	Comment	Pack/Rel
		On the M3903, keys 4-15 are blocked. No feature assignment is accepted for keys 2-15. On the M3903, M3904, and M3905, keys 29-31 are reserved. No feature assignment is accepted for keys 29-31 other than NUL. On M3904, no feature assignment is accepted for keys 12-15. On M3905, the craftsperson can assign NUL or a server application on key 5. On key 6, the craftsperson can assign NUL or a local application. On M3905, the craftsperson can assign NUL or the program key on key 7. On M3905, the craftsperson can assign AAG, AMG, ASP,DWC, EMR, MSB, or NRD on keys 8-11. Other features are blocked.	basic-24
KEY	xx aaa yyyy (cccc ***or*** D) zz..z	Telephone function key assignments The following key assignments determine calling options and features available to a telephone. Note that KEY is prompted until just a carriage return <CR> is entered. Where: xx = key number aaa = key name or function yyyy = additional information required for the key zz..z = additional information required for the key aaa. The cccc or D entry deals specifically with the Calling Line Identification feature, where: cccc = CLID table entry of (0)-N, where N = the value entered at the SIZE prompt in LD 15 minus 1. D = the character “D”. When the character “D” is entered, the system searches the DN keys from key 0 and up, to find a DN key with a CLID table entry. The CLID associated with the found DN key are then used.	basic-1

Prompt	Response	Comment	Pack/Rel
		Note: The position of the (cccc or D) field varies depending on the key name or function. You can enter a CLID table entry if aaa = ACD , HOT d, HOT L, MCN, MCR, PVN, PVR, SCN or SCR. Type xx NUL to remove a key function or feature. Some data ports require specific key assignments. Refer to the *Meridian Data Services* NTPs for information regarding these requirements. Key number limits that can be assigned are as follows: 0-7 for Meridian Communications Adapter (MCA) 0-5 for M2006 0-7 for M2008 0-59 for M2616 (varies with number of add-on modules) 0-79 for i2002 (varies with value of KEM) basic-4.0 0-79 for i2004 (varies with value of KEM) basic-4.0 ***Note:*** The first IP Phone KEM is assigned keys 32-55, and the second IP Phone KEM is assigned keys 56-79. If either the Meridian Programmable Data Adapter (MPDA) or the Display Module is equipped, then key 7 on sets M2008, M2216, and M2616 sets and key 5 on set M2006 become Program keys which cannot be used as function keys. Printouts of the TN block do not show key 7 because it is a local function key. On the M2616, if CLS = HFA, key 15 on the voice TN defaults to the Handsfree key. No other feature assignment is accepted. Primary and secondary data DNs must be unique. A station SCR, SCN, MCR, or MCN DN must be removed as a member from all Group Hunt lists before the DN can be modified.	

Prompt	Response	Comment	Pack/Rel
		On the M3903, keys 4-15 are blocked. No feature assignment is accepted for keys 2-15. On the M3903, M3904, and M3905, keys 29-31 are reserved. No feature assignment is accepted for keys 29-31 other than NUL. On M3904, no feature assignment is accepted for keys 12-15. On M3905, the craftsperson can assign NUL or a server application on key 5. On key 6, the craftsperson can assign NUL or a local application. On M3905, the craftsperson can assign NUL or the program key on key 7. On M3905, the craftsperson can assign AAG, AMG, ASP, DWC, EMR, MSB, or NRD on keys 8-11. Other features are blocked.	
	xx AAG	ACD Answer Agent key Must have CLS = SPV. On the M3905 key numbers 8-11 are reserved for AAG, AMG, ASP, DWC, MSB and NRD.	acdb-1 basic-24
	xx AAK	Automatic Answerback key AAA CLS and AAK key cannot be assigned to the same telephone. Only one type of Automatic Answerback is allowed. M2616 telephone must have CLS = HFA.	aab-1

Prompt	Response	Comment	Pack/Rel
	xx ACD yyyy (cccc or D) zzz	Automatic Call Distribution key Where: • xx = key number (*must be key 0*) • yyyy = ACD DN or Message Center DN • cccc = CLID table entry of (0)-N, where N = the value entered at the SIZE prompt in LD 15 minus 1. • D = the character “D”. When the character “D” is entered, the system searches the DN keys, from key 0, up to find a DN key with CLID table entry. The CLID associated with the found DN key will then be used. • zzzz = agent's position ID yyyy and zzzz can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Only ACD DN for Small System and CS 1000S Model set.	bacd-1
	xx ACNT	Activity Code entry key This key must have an associated lamp and applies to ACD-D and ACD-MAX only. ADS data block must be configured in LD 23.	acdd-13
	xx ADL yy z...z	Autodial key Where: • xx = key number • yy = maximum length of the ADL DN. Valid entries are: 4, 8, 12, (16), 20, 24, 28, 31. Note that other values are rounded up to the next valid number. • z...z = actual Autodial DN (this entry is optional)	optf-1

Prompt	Response	Comment	Pack/Rel
	xx AGT yyyy		bacd-1
		ACD Agent status key	
		Where: yyyy = agent's ID. The agent ID number can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Must have CLS = SPV.	
	xx AMG	ACD Answer Emergency call key	acdb-1
		Must have CLS = SPV.	
		The Answer Emergency Key can be defined as a secondary supervisor's Position ID. The secondary supervisor's Position ID can be NULL by default.	
		The Position ID of the ACD set cannot be changed once the ACD set is acquired as a Human Agent.	
		On the M3905 key numbers 8-11 are reserved for AMG	basic-24
	xx AO3	Three-Party Conference key	basic-1
		On the M3902 key number 4 is reserved for AO3, AO6, TRN, or NUL	basic-24
		On the M3903, M3904, M3905 key number 18 is reserved for AO3, AO6, or NUL.	basic-24
		On the IP Phone 2004 key number 18 is reserved for AO3, AO6, or NUL.	basic-25
	xx AO6	Six-Party Conference key	basic-1
		On the M3902 key number 4 is reserved for AO3, AO6, TRN, NUL	basic-24
		On the M3903, M3904, M3905 key number 18 is reserved for AO3, AO6, or NUL.	basic-24
		On the IP Phone 2004 key number 18 is reserved for AO3, AO6, or NUL.	basic-25
	xx ARC	Attendant Recall key	basic-1
	xx ASP	ACD Supervisor call key (must have CLS = AGN)	acdb-1
		On the M3905 key numbers 8-11 are reserved for NRD, MSB, AAG, AMG, DWC and ASP.	basic-24

Prompt	Response	Comment	Pack/Rel
	xx ATW	ACD Call Waiting Time indication key	supp-14
	xx AWC	ACD Calls Waiting key Must have CLS = AGN and Supervisor Position ID or SPID must be configured.	bacd-1
	xx BFS TN	Busy Forward Status key Where: TN = Terminal Number to be screened. A Key cannot be assigned to a BRI set. ***Note:*** It is possible to configure the TN of the same set against the BFS key only if the Class of Service is BFEA.	bfs-20
	xx CA yy z...z	Combined No Hold Conference and Autodial key Where: • yy = maximum length of the CA DN. Valid entries are: 4, 8, 12, (16), 20, 24, 28, 31. Note that other values are rounded up to the next valid number. • z...z = actual Autodial DN (this entry is optional)	basic-14
	xx CAS	Centralized Attendant Service key	casm-1

Prompt	Response	Comment	Pack/Rel
	xx CFW yy z...z		optf-1
		Call Forward key	
		Where: yy = maximum length of the CFW DN	
		Valid entries for M2317 or M3000 sets are any integer in the range of (4)-23. For all other BCS type sets, you may enter any integer in the range of (4)-31.	
		Note: The default for M3900 series telephones is (16).	
		Where: z...z = Call Forward DN or range of DNs where calls are to be forwarded (the target DN). Must be key 11 for LOGIVOX telephones.	
		A Group Hunt DN can be entered. If CLS = CFXD, the Call Forward number must be an internal DN.	
		On the M3903, M3904, M3905 key number 19 is reserved for CFW or NULL.	basic-24
		On the IP Phone 2004 key number 19 is reserved for CFW or NULL.	basic-25
	xx CH D yy z...z		basic-14
		Combined No Hold Conference and Direct Hotline key	
		Where: • yy = number of digits in target DN (1-31) • z...z = target DN	
	xx CH L yyy	Combined No Hold Conference and Hotline List key	basic-14
		Where: yyy = 0-999 for Hotline list entry as defined in LD 18.	
	xx CHG	Charge account key	chg-1
		On the M3903, M3904, M3905 key number 25 is reserved for CHG or NUL.	basic-24
		On the IP Phone 2004 key number 25 is reserved for CHG or NUL.	basic-25
	xx CLT	Configure Callers List key in context sensitive area, CLT/NUL are only options for key 27.	basic-25.4

Prompt	Response	Comment	Pack/Rel
	xx COS	Controlled Class of Service key	ccos-7
	xx CPN	Calling Party Number key	chg-1
		On the M3903, M3904, M3905 key number 26 is reserved for CPN or NUL.	basic-24
		On the IP Phone 2004 key number 25 is reserved for CPN or NUL.	basic-25
	xx CS yyyy	Combined No Hold Conference and Speed Call key Where: yyyy = Speed Call list number from 0-8190. Not available on M3000 telephones.	basic-14
	xx CSD	Conferee Selectable Display key.	basic-23
	xx CWT	Call Waiting key Only one CWT Key is allowed. Should have CLS = HTD since Hunting takes precedence.	basic-1
	xx DAG	Display ACD Agents key This key displays the status of ACD agents appearing on the supervisor's telephone. Must have CLS = SPV and ADD or DDS.	bacd-1
	xx DIG yyyy zz R/V	Dial Intercom Group key Where: • yyyy = group number, from 0-2045. • zz = member number from 0-99. The zz value cannot be equal to or share the first digit of a 2 digit number with the SPRE code. For example, if SPRE = 1, zz cannot be 1, 10, 11...19. • R = Ring option • V = Voice option	di-1

Prompt	Response	Comment	Pack/Rel
		Must have maximum number of Dial Intercom Groups DGRP defined in LD 15. If any member in a group has a two-digit member number, then all members have a two-digit number. The system adds leading zeros to other entries. Prompted with Dial Intercom (DI) package 21.	
	xx DPU	Directed Call Pickup key Key is optional, dial access code can be used if CLS = DPUA. Not available on M3000 telephones. This prompt appears with Directed Call Pickup (DCP) package 115.	dcp-12
	xx DRC yyy	DID Route Control key Where: yyy = route number = 0-511	basic-15
	xx DSP	Display key This key must have an associated key/lamp pair.	ddsp-1
	xx DWC yyyy	ACD Supervisor Display Waiting Calls key Where: yyyy = ACD DN. Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. A maximum of eight DWC keys can be assigned per queue on eight supervisors. Agent sets can only have 1 SWC key for their own queue. ACD agent telephones can support the display waiting calls key. Must have CLS = SPV and ADD or DDS. TThe key can be used with supervisors and agents. On the M3905 key numbers 8-11 are reserved for AAG, AMG, ASP, DWC, MSB and NRD.	bacd-19 basic-24
	xx EMR	ACD Emergency key (must have CLS = AGN) On the M3905 key numbers 8-11 are reserved for AAG, AMG, ASP, DWC, MSB and NRD.	acdb-1 basic-24

Prompt	Response	Comment	Pack/Rel
	xx ENI yyyy	ACD Enable Interflow key Where: yyyy = DN. The DN can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Only one is allowed per ACD DN. Must have CLS = SPV.	acdb-1
	xx EOVR	Enhanced Override key	povr-20
	xx FDIS	Force Disconnect Key	pomw-25.4
	xx FLH	DSN Flash Key	atvn
	xx FOV	DSN Flash Override Key	atvn
	xx GHD	Group Hunt Deactivation A station user can toggle the PDN in and out of all groups of which that PDN is a member.	pldn-15
	xx GPU	Group Call Pickup key The key is optional because a dial access code can be used if CLS = GPUA. Not available on M3000 telephones. Allowed with Directed Call Pickup (DCP) package 115.	dcp-12
	xx GRC yy	Group Call key Where: yy = 0-63 for Group number as defined in LD 18	grp-1
	xx HLD	Hold	supp-10
	xx HOT	Direct entry for Hotline Model set key (Small System and CS 1000S), Automatic termination DN is eight digits	hot-10

Prompt	Response	Comment	Pack/Rel
	nn HOT D dd num DN m (cccc or D)	Two-way Hotline key Where: • dd = number of digits dialed • num = target_number (terminating DN is a maximum of 31 digits) • DN = two-way hotline DN • m = one of the following Terminating Modes: H = Hotline (default), N = Non-ringing, R = Ringing, or V = Voice • cccc = CLID table entry of (0)-N, where N = the value entered at the SIZE prompt in LD 15 minus 1. • D = the character “D”. When the character “D” is entered, the system searches the DN keys from key 0 and up, to find a DN key with CLID table entry. The CLID associated with the found DN key will then be used.	hot-21
	xx HOT D nn x...x	Direct entry for One-way Enhanced Hotline key Where: • nn = number of digits dialed • x...x = Hotline terminating DN up to a 31 digit maximum	hot-10

Prompt	Response	Comment	Pack/Rel
	xx HOT D nn x...x xxxx (cccc or D)		hot-10
		Direct entry for Two-way Enhanced Hotline key Where: • nn = number of digits in Target DN • x...x = Terminating DN up to a 31 digit maximum • xxxx = optional two way Hotline DN. The DN can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. • cccc = CLID table entry of (0)-N, where N = the value entered at the SIZE prompt in LD 15 minus 1. • D = the character “D”. When the character “D” is entered, the system searches the DN keys from key 0 and up, to find a DN key with CLID table entry. The CLID associated with the found DN key will then be used.	
	xx HOT I dd num m		hot-21
		Intercom key Where: • dd = number of digits dialed • num = target_number (terminating DN max 31 digits) • m = one of the following Terminating Modes: V = Voice (default), N = Non-ringing, or R = Ringing	
	xx HOT L bbb		hot-10
		One-way Hotline key Where: bbb = Hotlline list entry = 0-999. The Hotline list entry is defined in LD 18. Note that the Hotline list NCOS overrides the set NCOS.	

Prompt	Response	Comment	Pack/Rel
	xx HOT L bbb xxxx (cccc or D)	Two-way list entry for Enhanced Hotline key Where: • bbb = List entry = 0-999 • xxxx = Two-way Hotline DN. This DN can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. • cccc = CLID table entry of (0)-N, where N = the value entered at the SIZE prompt in LD 15 minus 1. • D = the character “D”. When the character “D” is entered, the system searches the DN keys, from key 0, up to find a DN key with CLID table entry. The CLID associated with the found DN key will then be used. Hotline list entry is defined in LD 18. Note that the Hotline list NCOS overrides set NCOS.	hot-10
	xx HOT P nn yyyy	Target PCA DN Where: • nn = PCA DN length. Maximum length is 32. • yyyy = the target DN Note: PCA will support configuration of Key 0 and Key 1.	pca-398
	xx ICF nn xxxx	Internal Call Forward key Where: nn = Forward DN length. Valid entries are any integer in the range of (4)-31. Where: xxxx = Forward DN (this entry is optional) An ICF key can be configured if Call Forward is enabled.	icf-19
	xx IMM	DSN Immedicate Key	atvn

Prompt	Response	Comment	Pack/Rel
	KY1 aaa	Key 1 located far left, below dial pad. Where: aaa = VUP (Volume Up) by default for KY1. Any function not requiring a lamp may be assigned. CLS must be LVXA.	
	KY2 aaa	Key 2 located middle, below dial pad. Where: aaa = VDN (Volume Down) by default for KY2. Any function not requiring a lamp may be assigned. CLS must be LVXA.	
	KY3 aaa	Key 3 located far right, below dial pad. Where: aaa = HLD (Hold) by default for KY3. Any function not requiring a lamp may be assigned. CLS must be LVXA.	supp-10
	xx LNG	M2317 Language Toggle key (No Language) Where: • xx = key 29 • LNG = Language Toggle enabled • NUL = Remove Language Option This feature allows set operator to set and reset language display, toggling between French and English versions on the alphanumeric display.	dlt2-9
	xx LNK	Last Number Redial key LNRS defines the Last Number Redial Size. For LOGIVOX telephones, key 8 is defined by set firmware as the Last Number Redial key. The key definition is optional, because the user can press the DN key twice to activate Last Number Redial. Must have OPT = LRA in LD 15 and CLS = LNA.	lnr-8
	xx LSPK yyyy	Loudspeaker key Where: yyyy = associated loudspeaker DN or SPEKABUS channel	ohol-20

Prompt	Response	Comment	Pack/Rel
	xx MCK	Message Cancellation Key This key should only be programmed on Message Center sets.	mwc-1
	xx MCN yyyy (cccc or D) zz..z	Multiple Call Non-Ringing key Where: • yyyy = DN • cccc = CLID table entry of (0)-N, where N = the value entered at the SIZE prompt in LD 15 minus 1. • D = the character “D”. When the character “D” is entered, the system searches the DN keys from key 0 and up, to find a DN key with CLID table entry. The CLID associated with the found DN key will then be used. • zz..z = additional information required for the key aaa. The DN can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. The DN cannot appear simultaneously on a PBX set DN or as an SCR DN or SCN DN. Once the MCN key has been defined, MARP is prompted.	basic-20
		On the M3901 and M3902 MCN cannot be configured on keys 1-5. MCN, if it is configured, must be assigned to key 0.	basic-24

Prompt	Response	Comment	Pack/Rel
	xx MCR yyyy (cccc or D) zz..z	Multiple Call Ringing key Where: • yyyy = DN • cccc = CLID table entry of (0)-N, where N = the value entered at the SIZE prompt in LD 15 minus 1. • D = the character “D”. When the character “D” is entered, the system searches the DN keys from key 0 and up, to find a DN key with CLID table entry. The CLID associated with the found DN key will then be used. • zz..z = additional information required for the key aaa. The DN can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. The DN cannot appear simultaneously on a PBX set DN or as a SCR Single Call or SCN DN. Once the MCR key has been defined MARP is prompted. On the M3901 and M3902 MCR cannot be configured on keys 1-5. MCR, if it is configured, must be assigned to key 0.	basic-20 basic-24
	xx MIK	Message Indication Key This key should only be programmed on Message Center sets.	mwc-1
	xx MRK	Message Registration Key Requires PPM/Message Registration (MR) package 101 and CLS = ADD or DDS.	mr-10
	xx MSB	Make Set Busy key On the M3905 key numbers 8-11 are reserved for AAG, AMG, ASP, DWC, MSB and NRD.	msb-1 basic-24

Prompt	Response	Comment	Pack/Rel
	xx MWK yyyy		mwc-1
		Message Waiting Key	
		Where: yyyy = DN.	
		The DN can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. With the Network Message Service feature equipped, the NMS-DN can be up to 13 digits.	
		On the M3902, key 5 is reserved for MWK or NUL. On the M3903, M3904, M3905, key 16 is reserved for MWK or NUL.	basic-24
		On the IP Phone 2004 key 16 is reserved for MWK or NUL.	basic-25
	xx NHC	No Hold Conference key	basic-14
	xx NRD	Not Ready key	bacd-1
		AGN or SPV Class of Service must be assigned.	
		On the M3905 key numbers 8-11 are reserved for AAG, AMG, ASP, DWC, MSB and NRD.	basic-24
	xx NSVC yyyy		bacd-12
		Night Service key (must have CLS = SPV)	
		Where: yyyy = ACD DN associated with that Night Service. The DN can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150.	
	xx NUL	Removes function or feature from key	basic-1
	xx OBV	Observe ACD agent key (must have CLS = OUSD)	bacd-12
	xx OBV yy..yy		oas-3.0
		Observe key with Speed Call List Number (must have CLS = OUSD). Where:	
		yy.yy = SCL number	
	xx OSN	On-Site Notification key.	esa-23

Prompt	Response	Comment	Pack/Rel
	xx OVB	Overflow Position Busy key	aop-1
	xx OVR	Override key	optf-1
	xx PONW	Priority Override/Breakin Networkwide key	pomw-25.4
	xx PRK	Call Park key	cprk-2
		The Transfer (TRN), or Six-Party Conference (A06) key plus a Dial Access code can be used instead of the Park key.	
		On the M3903, M3904, M3905, key 21 is reserved for PRK or NUL.	basic-24
		On the IP Phone 2004 key 21 is reserved for PRK or NUL.	basic-25
	xx PRS	Privacy Release key	basic-1
		On the M3903, M3904, M3905, key 24 is reserved for PRS or NUL.	basic-24
		On the IP Phone 2004 key 24 is reserved for PRS or NUL.	basic-25
	xx PRY	DSN Priority Key	atvn

Prompt	Response	Comment	Pack/Rel
	xx PVN yyyy (cccc or D) zz..z	Private Line Non-Ringing key Where: • yyyy = DN • cccc = CLID table entry of (0)-N, where N = the value entered at the SIZE prompt in LD 15 minus 1. • D = the character “D”. When the character “D” is entered, the system searches the DN keys from key 0 and up, to find a DN key with CLID table entry. The CLID associated with the found DN key will then be used. • zz..z = additional information required for the key aaa. The DN can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Must have Private Line Directory Number (PRDN) defined in LD 14. On the M3901, M3902, key 0 is reserved for PVN.	basic-20 basic-24
	xx PVR yyyy (cccc or D) zz..z	Private Line Ringing key Where: • yyyy = DN • cccc = CLID table entry of (0)-N, where N = the value entered at the SIZE prompt in LD 15 minus 1. • D = the character “D”. When the character “D” is entered, the system searches the DN keys from key 0 and up, to find a DN key with CLID table entry. The CLID associated with the found DN key will then be used. • zz..z = additional information required for the key aaa. The DN can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Must have Private Line Directory Number (PRDN) defined in LD 14. On the M3901, M3902, key 0 is reserved for PRV.	basic-20 basic-24

Prompt	Response	Comment	Pack/Rel
	xx RAG	ACD Ring Agent key (must have CLS =SPV)	acdb-1
	xx RCK y z	Ringing Change Key Where: • y = first key/lamp strip controlled by key = (0)-6 • z = second key/lamp strip controlled by key = 0-(1)-6. Only one ringing change key per set is permitted. Requires International Supplementary Features (SUPP) package 131 and Ringing Change Key (RCK) package 193.	rck-15
	xx RDL yy	Redial stored number key Where: yy = number of digits = 4, 8, 12, (16), 20, 23. Numbers between 5 and 22 are rounded up to the next valid number.	snr-3
	xx RGA	Ring Again key Must be key 10 on LOGIVOX telephones. RANA may be activated if OPT = RNA in LD 15. When OPT = RND in LD 15, all sets with the RGA key will only be able to activate Ring Again Busy. On the M3903, M3904, M3905, key 20 is reserved for RGA or NUL. On the IP Phone 2004 key 20 is reserved for RGA or NUL.	rga/optf-20 basic-24 basic-25
	xx RLS	Release key Requires CLS = LVXA. Key/lamp pair is not required. Must be KY3 on LOGIVOX telephones.	basic-1
	xx RLT	Configure Redial List key in context sensitive area, RLT/NUL are only options for key 28.	basic-25.4
	xx RMK	Room Status Key	rms-10

Prompt	Response	Comment	Pack/Rel
	xx RMWK xxxx [yyyy]	Remote Message Waiting indication key Where: xx= key number xxxx = Message Center DN [yyyy] = DN to be monitored [optional]	mw-24
	xx RNP yyyy	Ringing Number Pickup key Where: yyyy = Ringing Number Pickup group number is optional If the group number is not entered, the key will pick up the group number assigned to the station. If the group number is entered, the key will pick up calls in the specified group yyyy.	basic-1
	xx RPAG yyyy	Radio Paging key Where: yyyy = Route Access Code Coordinated Dialing Plan (CDP) Trunk Steering Codes (TSC) and Distant Steering Codes (DSC) can be entered against yyyy.	rpa-15
	xx SCC yyyy	Speed Call Controller key Where: yyyy = SCL list number 0-8190. SCL must be defined in LD 18. On the M3903, M3904, M3905, key 23 is reserved for SCC, SCU, SSU, SSC or NUL.	optf-1 basic-24

Prompt	Response	Comment	Pack/Rel
	xx SCN yyyy (cccc or D) zz..z		basic-20
		Single Call Non-Ringing key Where: • yyyy = DN • cccc = CLID table entry of (0)-N, where N = the value entered at the SIZE prompt in LD 15 minus 1. • D = the character “D”. When the character “D” is entered, the system searches the DN keys from key 0 and up, to find a DN key with CLID table entry. The CLID associated with the found DN key will then be used. • zz..z = additional information required for the key aaa. The DN can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Once the SCN key has been defined, MARP is prompted.	
		On the M3901, M3902, key 0 is reserved for SCN.	basic-24

Prompt	Response	Comment	Pack/Rel
	xx SCR yyyy (cccc or D) zz..z		basic-20
		Single Call Ringing key Where: • yyyy = DN • cccc = CLID table entry of (0)-N, where N = the value entered at the SIZE prompt in LD 15 minus 1. • D = the character “D”. When the character “D” is entered, the system searches the DN keys from key 0 and up, to find a DN key with CLID table entry. The CLID associated with the found DN key will then be used. • zz..z = additional information required for the key aaa. The DN can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Use a single appearance DN to terminate VCC Voice Call or SIG Signaling calls. Once the SCR key has been defined, MARP is prompted.	
		On the M3901, M3902, key 0 is reserved for SCR.	basic-24
	xx SCU yyyy		optf-1
		Speed Call User key Where: yyyy = SCL list number 0-8190. SCL must be defined in LD 18.	
		On the M3903, M3904, M3905, key 23 is reserved for SCC, SCU, SSU, SSC or NUL.	basic-24
		On the IP Phone 2004 key 23 is reserved for SCC, SCU, SSU, SSC or NUL.	basic-25
	xx SIG yyyy	Signal key	basic-1
		Where: yyyy = Single appearance DN. The DN can be up to 4 digits, up to 7 digits with DNXP package 150. Key/lamp is not required.	

Prompt	Response	Comment	Pack/Rel
	xx SSC yyyy	System Speed Call controller key	optf-1
		Where: yyyy = SSC list number 0-4095. SSC list must be defined in LD 18.	
		On the M3903, M3904, M3905, key 23 is reserved for SCC, SCU, SSU, SSC or NUL.	basic-24
	xx SSU yyyy		optf-1
		System Speed Call User key	
		Where: yyyy = SSC list number 0-4095. SSC list must be defined in LD 18.	
	xx TAD	Time and Date key	ddsp-1
		For SL-1 sets only, must have CLS = ADD or DDS, cannot be key 0.	
		Blocked on the M3901, M3902, M3903, M3904, M3905.	basic-24
	xx THF	Centrex Trunk Switch Hook Flash key	thf-14
	xx TRC	Malicious Call Trace key	mct-10
		Key/lamp not required. MCT is applied on a TN basis. This key can be configured on ACD telephones. Allowed when CLS = MCTA.	
	xx TRN	Call Transfer key	basic-1
		On the M3902, key 4 is reserved for TRN or NUL. On the M3903, M3904, M3905, key 17 is reserved for TRN or NUL.	basic-24
		On the IP Phone 2004 key 17 is reserved for TRN or NUL.	basic-25
	xx USR	User Selectable Call Redirection key	uscr-19
	xx UST	User Status key (must have UST = YES in LD15 and UST = YES in LD 23)	ims-2

Prompt	Response	Comment	Pack/Rel
	xx VCC yyyy	Voice Call key Where: yyyy = Single appearance DN. Not available on M3000 telephones.	basic-1
	xx VUP	Volume Up key (must be assigned if Volume Down is assigned)	
	xx VDN	Volume Down key (must be assigned if Volume Up is assigned)	
	xx WUK	Guest entry of automatic Wakeup key (Key/lamp pair is required)	gewu-16
	xx XMWK xxxx yyyy	Extended Message Waiting indication key Where: xx= key number xxxx = Message Center DN yyyy = DN to be monitored	mw-24
LANG	(0)-5 X	Language choice for Automatic Wakeup (AWU) calls. Prompted with Multi-Language Wakeup (MLWU) package 206. This entry defines the language presented for the Automatic Wakeup Recorded Announcement (RAN), for language 0 through 5 as follows:	mlwu-16
	(0)	See RAN1/RAN2 in LD 15	
	1	See LA11/LA12 in LD 15	
	2	See LA21/LA22 in LD 15	
	3	See LA31/LA32 in LD 15	
	4	See LA41/LA42 in LD 15	
	5	See LA51/LA52 in LD 15	
	X	Remove entry	

Prompt	Response	Comment	Pack/Rel
LDN	(NO)	Listed Directory Number Index as defined in LD 15	nldn-20
	0-3	Listed Directory Number Index as defined in LD 15	
	0-5	Listed Directory Number Index as defined in LD 15	
LHK		Last Hunt Key number limit	basic-10
	(0)-7	For M2008	
	(0)-27	For M2616, varies with number of add-on modules (Small System and CS 1000S)	
	(0)-59	For M2616, varies with number of add-on modules	
	(0)	No Last Hunt Key or remove Last Hunt Key (used for Internal/External Short Hunt)	
LNRS	4-(16)-31	Last Number Redial Size Enter the maximum number of digits that can be stored. Valid entries are 4, 8, 12, (16), 20 24, 28, or 31. Invalid entries are rounded up to the next valid entry.	lnr-8
LPK		Line Preference Key limit (last key scanned for Automatic Line Preference)	lsel-4
	(0)-5	For M2006	
	(0)-7	For M2008	
	(0)-27	For M2616, varies with number of add-on modules (Small System and CS 1000S)	
	(0)-59	For M2616, varies with number of add-on modules Prompted when CLS = IRA, NIA or OLA.	
LTN	1-253 0-15	Logical TN and AUX link number This prompt appears when CLS = IMA and the valid APL link is defined in LD15.	ims-5
MARP	(NO) YES	Multiple Appearance Redirection Prime Use TN as the Multiple Appearance DN Redirection Prime. The MARP prompt, or MARP information, appears following the DN KEY designation, and is associated with those DN assignments.	basic-18

Prompt	Response	Comment	Pack/Rel
MAUT	(NO) YES	Modify Authorization Codes for this telephone This prompt appears with Station Specific Authorization Codes (SSAU)package 229 and CLS = AUTR.	ssau-19
MLNG	a...a	Language selection for the M3902, M3903, M3904, or M3905. Where: a...a = <CR> no change. a...a = ENG, FRE, GER, DUT, SPA, ITA, NOR, SWE, DAN, POR, FIN, POL, CZE, HUN, JAP, RUS, LAT, TUR.	basic-25.4
MLWU_LANG		Language choice for Automatic Wakeup (AWU) calls. This entry defines the language presented for the Automatic Wakeup Recorded Announcement (RAN), for language 0 through 5 as follows:	mlwu-19
	(0)	See RAN1/RAN2 in LD 15	
	1	See LA11/LA12 in LD 15	
	2	See LA21/LA22 in LD 15	
	3	See LA31/LA32 in LD 15	
	4	See LA41/LA42 in LD 15	
	5	See LA51/LA52 in LD 15	
	X	Precede with X to remove	
MOD		Mode	arie-14
	(NO)	Network is required for Meridian Programmable Data Adapter	
	YES	Modem synchronizes to clock in external device, such as QMT21	
MODL	1-127	Model number for small systems	basic-16
		Model number for CS 1000S This prompt appears for Small System and CS 1000S Model sets.	basic-1

Prompt	Response	Comment	Pack/Rel
MOTN		Main Office TN	sbo-2
	<CR> l s c u	Accept default when CS 1000S is the Main Office When Main Office is a Large System.	
MPHI	(NO) YES	Meridian Communications Unit used as MPH interface Prompted if TYPE = MCU.	mph-19
NAME		Calling Party Name Display name	cpnd-21
	aaaa,bbbb	First name comma Last name. For example, John Doe is entered as John,Doe. The first single comma is treated as the delimiter. Up to 27 characters (including the comma) may be input. The last occurrence of the first comma group serves as the name delimiter and is translated into a space between the first and last name.	
	aaaa	When the delimiter is omitted, the input is stored as a first name.	
	aaaa,	When the delimiter follows the input, the input is stored as the first name.	
	,bbbb	When the delimiter precedes the input, the input is stored as a last name.	
NCOS	(0)-99	Network Class of Service group	ncos-1
NUID	aaaa	Network User ID for a dialable home system DN. Applies to IP Phones. Precede with X to delete.	grsec-4.0
NHTN	l s c u	Network Home system TN CS 1000M Large System and CS 1000E system. Prompted when NUID is defined.	grprim-4.0

Prompt	Response	Comment	Pack/Rel
OHID	(0)-9	Off-Hook Alarm Security DN index for off-hook or interdigit timeout. When a dial tone or interdigit timeout occurs on a set with Alarm Security Allowed (ASCA) Class of Service, the set is intercepted to a predefined DN. Enter the index number (0)-9 of the DN defined by LD 15 prompts ODNx.	basic-18
OPE	(NO) YES	Change data port Operating Parameters	mcu/arie-19
PAR	(SPAC)	Space Parity	basic-1
	EVEN	Even Parity	
	ODD	Odd Parity	
	MARK	Mark Parity	
PAGEOFST			basic-4.0
	<Page><KeyOffset>	On I2004, automatically calculates the IP Phone KEM key number. Where: • Page = 0-1 KeyOffset = 0-23number from 0-23 ***Note:*** When values are entered for Page and KeyOffset, the KEY xx prompt displays,.	
PBDO		Port Busy when DTR off	dac-16
	(OFF)	Disabled	
	ON	Key 7 is automatically assigned as the Make Set Busy (MSB) key Switching to any other mode will force PBDO to OFF. Prompted if TYPE = R232 in operating modes 8 or 12.	
PLEV	0-(2)-7	Priority Level, prompted with Priority Override/Forced Camp-On (POVR) package 186 or Enhanced DPNSS1 Services (DPNSS_ES) package 288. 2 = set can override sets of level 1 and 2, and can be overridden by sets of level 2-7.	povr-20

Prompt	Response	Comment	Pack/Rel
POS	xxxx	ACD position ID. Prompted when SFMT = AUTO, TNDN, TN or DN.	basic-12
PRI		Priority level for Automatic Call Distribution (ACD) agent	pagt-12
	(1)-48	Valid range for systems 11C, 51C, 61C, and 81C.	
	(1)-32	Valid range for all other system options.	
		The agent with the lowest number assigned has the highest priority and is the first ACD agent to receive calls. (Where Priority 1 has the highest priority level).	
		PRI is prompted with Automatic Call Distribution, Priority Agent (PAGT) package 116 and CLS = AGN or SPV.	
PRM		Prompt for terminal or host mode	arie-14
	(ON)	Terminal or Keyboard dial mode, prompts are output by data unit	
	OFF	Host mode prompts are not output by data unit	
PSDS	(NO) YES	Public Switched Data Service option	arie-18
		With PSDS = YES, transmission will be synchronous and the baud will be 56K or 64K. 56K is the default.	
PSEL		Protocol Selection, DM-DM or T-link	arie-18
	(DMDM)	DMDM is used by Meridian 1 data devices such as ASIM, AIM, ADM, SADM, Asynchronous Data Option or ADO, and MPDA. MCA can use both protocols.	
	TLNK	TLNK protocol is used by SL-100 and DMS data devices	
		This prompt appears if DTAO = MCA, or TYPE = MCU	
RCO	(0)-2	Ringing cycle option for Call Forward No Answer	uscr-18
		This prompt appears when CLS = FNA or MWA (or both)	

Prompt	Response	Comment	Pack/Rel
REQ:		Request	basic-19
	?	To get a list of possible responses	
	CHG	Change existing data block	
	CPY 1-32	Copy or create 1 to 32 new station data block(s) automatically from the specified station data block. Model sets cannot be copied.	
	END	Exit overlay program	
	MOV	Move data block from one TN to another.	
		MOV command can be used to move digital "IPE" telephones from one loop, shelf, card, unit to another lscu with the following restrictions (includes moves across Superloops):	basic-25.4
		-ACD sets must not be moved. Remove (out) data and re-enter at destination.	
		-Cannot be used for Small System and CS 1000S Model sets	
		MOV command can be used to move digital "EPE" telephones from one unit or card to another, but does not support moving these phones across shelves or loops.	
		MOV PAIR command can be used providing the system is on Rls 24 or 25. This command will not function properly on Rls 15 - 23. It is recommended to use MOV on these releases of software.	
		Note: If moving a voice unit with an associated data unit, the data unit must also be moved. On the NT8D02 DLC card, both voice and data TN's can be moved by the MOV PAIR command.	
		Note: If Call Forward is activated prior to the set move, the Call Forward data will be moved to the destination set.	
	MOV PAIR	Move voice TN and data TN data blocks on NT8D02 Digital Line Card	

Prompt	Response	Comment	Pack/Rel
	NEW	Add new data block to the system	
	OUT	Remove data block	
		Before removing an ACD agent telephone, first remove the associated AGT key on the supervisor's telephone. Select OUT and then NEW when switching resources between virtual and actual ACD DNs, to avoid unwanted information on ACD-D reports.	
		The following is a list of valid responses. For further information, consult the appropriate Overlay program.	
		LD 32: CDSP CMIN CONV CPWD DISC DISI DISL DISN DISS DISU DSCT DSPS DSXP ENCT ENLC ENLG ENLL ENLN ENLS ENLU ENPS ENXP IDC IDCS IDU LBSY LDIS LIDL LMNT PBXT SDLC STAT SUPL TRK XNTT XPCT XPEC	
		LD 20: LTN LUC LUDU LUU LUVU PRT **LD 10**: CHG CPY MOV NEW OUT	
RNPG	(0)-4095	Ringing Number Pickup Group	grp-1
		To remove a telephone from a group, enter 0 in response to the RNPG prompt.	
RTS	(ON) OFF	Request To Send applies only to asynchronous mode.	mca-18
SCI	(0)-7	Station Category Indication priority level The station category number 1 to 7 must be defined as attendant console Incoming Call Indicator. LD 15 prompt ICI = CA1-CA7.	sci-7
SCPW	xxxx	Station Control Password	ffc-15

Prompt	Response	Comment	Pack/Rel
		Must equal Station Control Password Length (SCPL) as defined in LD 15. Not prompted if SCPL = 0. Precede with X to delete.	
SECOND_DN		Second DN sharing the Voice Mailbox	vmba-19
	x...x	Second Directory Number. This DN can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150.	
	X	Deletes the second directory number	
SFDN	xxxx	Secretarial Forwarding DN of secretary set This prompt appears if response to SFLT = BOSS.	ftcsf-15
SFLT		Secretarial Filtering	ftcsf-15
	(NO)	Assign no designation to telephone	
	BOSS	Designate telephone as a Boss set	
	SEC	Designate telephone as a Secretary set SEC (NO) and <CR> takes you to the next prompt. This prompt appears with Boss Secretary Filtering (FTCSF) package 198.	

Prompt	Response	Comment	Pack/Rel
SFMT		Select one of the following formats for the copy command. The DN may be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150.	basic-1
	TNDN	Manual selection of TNs and DNs or ACD position IDs for ACD telephones. The TN and DN or POS for ACD set prompts repeat n times as specified under the CPY n command. TN l s c u TN of new set DN xxxx DN of new set POS xxxx ACD position ID of new set	
	TN	The new DNs or ACD position IDs for ACD telephones are provided by the system. You are prompted for the starting TN and DN or ACD position ID for ACD telephones and each TN. The TN prompt repeats n times as specified under the CPY n command. TN l s c u TN of new set DN xxxx DN of new set POS xxxx ACD position ID of new set	
	DN	The new TNs are provided by the system. You are prompted for the starting TN and each DN or ACD position ID for ACD telephones. The DN or POS for ACD sets prompt repeats n times as specified under the CPY n command. TN l s c u TN of new set DN xxxx DN of new set POS xxxx ACD position ID of new set	
	AUTO	The new TNs and DNs or ACD position IDs for ACD telephones are provided by the system. You are prompted for the starting TN and DN or ACD position ID for ACD telephones. TN l s c u TN of new set DN xxxx DN of new set	

Prompt	Response	Comment	Pack/Rel
		POS xxxx ACD position ID of new set	
SGRP	(0)-999	Scheduled Access Restriction group number This prompt appears with Scheduled Access Restrictions (SAR) package 162. Must have group defined in LD 88.	sar-20
SPID	x...x	Supervisor Position ID DN SPID is prompted for ACD packages B, C, and D when CLS = AGN. SPID can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150.	bacd-1
SPWD	xxxx	Secure Data Password This prompt appears only if the password is defined in LD 15. If the password is not entered, the security codes will not print when PRT is requested.	ssau-19
SSU	0-4095	System Speed Call List number Precede with X to delete.	ssc-2
TEN	1-511	Tenant number This prompt appears if Multi-tenant is configured for the customer.	tens-7
TGAR	0-(1)-31	Trunk Group Access Restriction. The default of (1) automatically blocks direct access.	basic-1
THIRD_DN	x...x	Third DN sharing the Voice Mailbox Third Directory Number. This DN can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. X Deletes the third directory number	vmba-19

Prompt	Response	Comment	Pack/Rel
TN		Terminal Number. The TN defines the location of the telephone. TN appears when REQ = NEW, CHG, MOV, MOV PAIR or OUT.	basic-1
	l s c u	Large System TN format: l s c u = loop, shelf, card, unit Where l = • 0-159: loops, superloops must be multiples of four, starting with superloop 0 • 0-255: loops, Option 81C	fnf-25
		Where s = • 0-3: IPE shelves on loops defined TERM in LD 17 0-1: IPE shelves on loops defined TERD in LD 17 and superloops • 0: IPE shelf on loops defined TERQ in LD 17	
		Where c = • 1-10: IPE cards of dual and enhanced loops. • 0-15: IPE cards of superloops.	
		Where u = • 0-3: single density units • 0-7: double density units • 0-15: integrated services digital line (ISDLC) cards • 0-31: digital line cards or DLC For a static voice or data TN, u = 0-31. To assign VCE to TNs (where u = 16-31), CLS must be FLXA. To assign DTA to TNs (where u = 0-15), CLS must be FLXA. See text regarding FLXA on page 155.	
	l s c u	Format for CS 1000E, where: Where l = 0, 4, 8, - 252: superloop number, multiples of 4 Where s = 0-1: MG 1000E on superloop Where c = 1-4, 7-10 Where u = 0-31	basic-4.0
	c u	Format for Small System, where c u = card, unit • c = 1-50 • u = 0-31	basic-16

Prompt	Response	Comment	Pack/Rel
		•	
	c u	Format for CS 1000S, where c u = card, unit • c = 11-14, 17-24, 27-34, 37- 44, 47-50 • u = 0-31 •	basic-1
	c u	Format for MG 1000B Chassis, where: c = card and u = unit • c = 0-4, 7-10 • u = 0-31 •	basic-4.0
		Format for MG 1000B Cabinet, where: c = card and u = unit • c = 0-10 • u = 0-31	
		Note: For converted Small Systems only, the Meridian Mail card must be installed in slot 10 if Meridian Mail is to be supported.	
		•	
	c u	Format for MG 1000T, where: • c = 0-4, 7-10, 11-14, 17-24, 27-34, 37- 44, 47-50 • u = 0-31 •	basic-4.0
TOTN		To Terminal Number	basic-20
	l s c u	Format for Large System, where: l = loop, s = shelf, c = card, u = unit	
		Format for CS 1000E, where: l = loop, s = shelf, c = card, u = unit	basic-4.0
	c u	Format for Small System, where: c u = card, unit TOTN is not prompted for Small System Model sets.	basic-16
	c u	Format for CS 1000S, where: c u = card, unit	basic-1.0
	c u	Format for MG 1000B, and MG 1000T, where: c = card and u = unit This prompt appears when REQ = MOV and is not prompted for Model sets.	basic-4.0

Prompt	Response	Comment	Pack/Rel
TOV		Timeout Value for the Data port, for M2006, M2008, M2216 and M2616 data port only	mcu/arie-19
	(0)	No Timeout	
	1	15 minutes	
	2	30 minutes	
	3	60 minutes	
TRAN		Port transmission type for the data port on M2006, M2008, M2216, M2616 telephones	mcu/arie-19
	(ASYN)	Asynchronous data transmission	
	SYN	Synchronous data transmission Asynchronous data modules cannot be set as synchronous. An MMPO with DTAO, MPDA, or MMPO supports SYN.	
TYPE:		Type of data block	basic-1
	?	To get a list of possible responses	
	2006	M2006 Digital telephone.1 DN per set	
	2006 M	M2006 Digital telephone Model set	
	2008	M2008 Digital telephone	
	2008 M	M2008 Digital telephone Model set	
	2016	M2016 Digital telephone	
	2216	M2216 Digital ACD telephone	
	2216 M	M2216 Digital ACD telephone Model set	
	2317	M2317 Digital telephone	
	2317 M	M2317 Digital telephone Model set	
	2616	M2616 Digital telephone	
	2616 M	M2616 Digital telephone Model set	

Prompt	Response	Comment	Pack/Rel
	3000	M3000 Digital Touchphone	
	3000 M	M3000 Digital Touchphone Model set	
	3901	M3901 Digital telephone	
	3902	M3902 Digital telephone	
	3903	M3903 Digital telephone	
	3903V	M3903 Virtual Terminal Set	arie-25
	3903H	M3903 Host Terminal Set	
	3904	M3904 Digital telephone	
	3904V	M3904 Virtual Terminal Set	arie-25
	3904H	M3904 Host Terminal Set	
	3905	M3905 Digital telephone.	
	CARD	Unused line card data block, used for Automatic Telephone Relocation.	
	CARDMLT	Multi-line Telephone Line Card	
	I2001	IP Phone 2001	basic-4.0
	I2002	IP Phone 2002	basic-2.0
	I2004	IP Phone 2004	basic-25
	I2050	IP Software Phone 2050	basic-2.0
	MCU	Meridian Communications Unit	
	MPORTBL	Mobility Portable	

Prompt	Response	Comment	Pack/Rel
	OOSMLT	Out of Service Multi-Line Terminal Unit Entering OOSMLT allows the administrator to mark any unit, regardless of card density or type, “Out of Service”.	xpe-20
	PCA	Personal Call Assistant	pca-3.0
	R232	NT7D16 Data Access Card (DAC) port in RS-232 Data mode	
	R232 M	NT7D16 Data Access Card (DAC) port in RS-232 Data mode Model set	
	R422	NT7D16 Data Access Card (DAC) port in RS-422 mode	
	R422 M	NT7D16 Data Access Card (DAC) port in RS-422 mode Model set The M2006, M2008, M2216, and M2616 require ISDLC line card Version C or greater. The data port requires specific key assignments.	
V25	(NO) YES	V.25 bis option, synchronous mode only.	arie-18
VLL	(OFF) ON	Virtual Leased Line	arie-14
VMB		Voice Mailbox	vmba-19
	NEW	Add Voice Mailbox	
	CHG	Change Voice Mailbox	
	OUT	Remove Voice Mailbox This prompt appears with Voice Mailbox Administration (VMBA) package 246.	
VMB_COS		Voice Mailbox Class of Service	vmba-19
	0-127	Valid range	
WIRE		Wire test. Prompted if TYPE = R232 or R422.	dac-16
	(OFF)	Wire test disabled	
	ON	System automatically tests wiring/cabling when DAC installed.	

Prompt	Response	Comment	Pack/Rel
XLST	(0)-254	Pretranslation group associated with this station.	pre-8
XPLN	xx	Expected name length	cpnd-19
ZONE	0-255	Zone Number which IP Phone belongs The zone prompt applies only when the IP Phone type is 2001, 2002, 2004, and 2050. Zone number is not checked against Overlay 117.	basic-25

LD 12: Attendant Consoles

This program allows data blocks for attendant consoles to be created or modified.

When the Overlay is loaded the available system memory, disk records and system configuration limits are output in a header as follows:

```
>ld 12
ATT000
MEM AVAIL: (U/P):  xxxxxx USED:  xxxxx TOT:  xxxxxxx
TNS AVAIL:  xxxxx  USED:  xxxxx TOT: xxxxx
ATTENDANT CONSOLES AVAIL: xxxx USED: xx TOT: xxxx
```

If an License limit is set to the maximum value 32767, then the information for that License will not be printed. This does not apply for the TNs License.

Prompts and responses

Prompt	Response	Comment
REQ:	aaa	Request (aaa = NEW, CHG, END, MOV, OUT)
TYPE:	a...a	Type of data block (a...a = 2250, or PWR)
TN	l s c u	Terminal Number (l s c u ranges are defined on page 226)
CTYP	(XDLC) EDLC	Card type
CDEN	aa	Card Density (aa = SD or DD)
SETN	l s c u	Second Terminal Number (l s c u ranges are defined on page 226)
CDEN	aa	Card Density of Second Terminal Number (aa = SD or DD)
TOTN	l s c u	To Terminal Number (l s c u ranges are defined on page 226)
CUST	xx	Customer number associated with this set
ANUM	1-63	Attendant Number
IADN	xxxx	Individual Attendant DN for this console.
ALPD	(NO) YES	Alphanumeric Display
DLEN	xx	Display Length (aa = (8) or 16)
SSU	yyyy	System Speed Call User list number
ICDR	(ICDD) ICDA	Internal Call Detail Recording (Denied) Allowed
- ABAN	(ABDD) ABDA	Abandoned call record and time to answer (Denied) Allowed
CPND	(CNDD) CNDA	Call Party Name Display feature (Denied) Allowed
- DNDI	(DNDD) DNDA	Dialed Name Display (Denied) Allowed
LANG	(00)-15	Language to download to M2250 on Sysload
EBLF	(BLFD) BLFA	Enhanced Busy Lamp Field (Denied) Allowed
SGRP	(0)-999	Scheduled Access Restriction Group number
PRES	0-19	ICI keys to have Presentation Status
QTHM	(NO) YES	Queue Thermometer equipped
- QDIS	0-3 0-19	Queue Thermometer Display position, and ICI key number
ICP	(NO) YES	Intercept Computer available
- ICT	0-<NIPN>	Intercept Computer Terminal or printer number
AADN	xxxx	Attendant Alternate Answering DN
DNAN	(DNAA) DNAD	(ANI DN used for 3WT ANI messages) or Outgoing CDTI2/CSDTI2 route ANDN will be used as DN in ANI messages
DAPC	(DAPA) DAPD	Dial Access Prefix on Console
KEY	xx aaa yyyy	Key (KEY responses begin on page 221)

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
AADN	x...x	Attendant Alternate Answering DN This DN can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. The DN must be a valid station DN or ACD DN. This prompt appears with Attendant Alternative Answering (AAA) package 174.	aaa-15
ABAN	(ABDD) ABDA	Abandoned call record and time to answer Denied Abandoned call record and time to answer Allowed ABDA generates a B-Record in CDR reports. Refer to the *Call Detail Reporting* NTP for more information. ABAN appears with New Format Call Detail Recording (FCDR) package 234.	fcdr-18
ALPD	 (NO) YES	Alphanumeric Display QCW3 Attendant Console QCW4 Attendant Console This prompt appears when TYPE = ATT.	basic-12
ANUM	1-63	Attendant Number	basic-1
CDEN	SD DD	Single Card Density Double Card Density If the loop is a single density loop, the default is single density. If the loop is a double density, the default is double density. If the loop is a quad density, there is no default. This prompt appears when TYPE = ATT or 1250 and the loop is a single or double density.	basic-7
CPND	(CNDD) CNDA	Call Party Name Display feature Denied Call Party Name Display feature Allowed Prompted when TYPE = 2250 and has Calling Party Name Display (CPND) package 95 and OPT = IDP in LD 15.	cpnd-12
CTYP	(XDLC) EDLC	Card type is 16 port DLC Card type is 24 port DLCVCE/DTA ***Note:*** EDLC not supported on Small Systems and CS 1000S.	basic-25

Prompt	Response	Comment	Pack/Rel
CUST	xx	Customer number associated with this set Customer number is defined in LD 15.	basic-1
DAPC	(DAPA) DAPD	Dial Access Prefix on Console Display Access Prefix Allowed Display Access Prefix Denied	isdn-24
DLEN	(8) 16	Display Length QCW2 Attendant Console QCW3 or QCW4 Attendant Console Prompted when TYPE = ATT. DLEN applies for only a QCW type console.	basic-1
DNAN	(DNAA) DNAD	ANI DN will be used as the Customer Listed Directory Number 0 (as defined in LD 15). Outgoing CDTI2/CSDTI2 route ANDN will be used as DN in ANI messages. Prompted with Commonwealth of Independent States (CIST) package 221.	cist-21
DNDI	(DNDD) DNDA	Dialed Name Display Denied Dialed Name Display Allowed Prompted if TYPE is 2250 and CPND = CNDA.	cpnd-13
EBLF	(BLFD) BLFA	Enhanced Busy Lamp Field Denied Enhanced Busy Lamp Field Allowed Prompted when TYPE = 2250 and OPT = IBL or ILF in LD 15.	basic-15
IADN	xxxx	Individual Attendant DN for this console. The Individual Attendant DN can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Precede with ‘X’ to delete an existing IADN.	basic- 23
ICDR	(ICDD) ICDA	Internal Call Detail Recording Denied Internal Call Detail Recording Allowed ICDA generates an L-Record in CDR reports. Refer to the *Call Detail Reporting* NTP for more information. ICDR is prompted with Internal Call Detail Recording (ICDR) package 108.	icdr-10

Prompt	Response	Comment	Pack/Rel
ICP	(NO) YES	Intercept Computer available Prompted when: 1. Intercept Computer Interface (ICP) package 143 is equipped 2. LD 17 ADAN USER is set for ICP 3. LD 15 prompt ICP = YES	icp-16
ICT	0-<NIPN>	Intercept Computer Terminal or printer number Number of Intercept Positions (NIPN) is defined in LD 15.	icp-16
KEY	xx aaa yyyy	Console Key. Where: • xx = key number 0-19 for M2250 consoles • aaa = key name or function • yyyy = additional information required for the key	basic-1
	xx ADL yy z...z	Autodial key. Where: • xx = key number • yy = ADL DN, maximum length is 31 digits. • z...z = actual Autodial DN is optional	basic-1
	xx AUTO yyy...y	Direct Autoline DN, where: xx = Key number (0 - 19) yyy....y = Autoline DN. The Autoline DN can be 1 - 31 digits.	basic- 23
	xx AWU	Automatic Wake Up key (cannot be key 0 or 1)	awu-10
	01 BIN	Allow Barge-In on key 01.	basic-1
		Allow both Barge-In and Attendant Monitor on key 01 if China Attendant Monitor Package (CHINA) package 285 is equipped. Must have OPT = AMA in LD15.	china-21
	xx BKI	Break-In key	bki-1

Prompt	Response	Comment	Pack/Rel
	00 BVR	Allow Busy Verify on key 0.	basic-1
		Allow both Busy Verify and Attendant Monitor on key 00 if China Attendant Monitor Package (CHINA) package 285 is equipped. Must have OPT = AMA in LD15.	china-21
	xx CHG	Charge account key	fca-1
	xx COS	Controlled Class of Service key	eccs-15
	xx CPN	Calling Party Number key	cab-1
	xx DCW	Display Call Waiting key	basic-1
	xx DDL	Do Not Disturb Individual key	dndi-1
	xx DDT	Display Date key	basic-1
	xx DPD	Display Destination key	basic-1
	xx DPS	Display Source key	basic-1
	xx DRC	DID Route Control key	basic-1
	xx DTM	Display Time key	basic-1
	xx EES	End-to-End Signaling key (cannot be key 0 or 1)	basic-1
	xx FLH	DSN Flash key	atvn
	xx FOV	DSN Flash Override key	atvn
	xx GND yy	Group Do Not Disturb key Where: yy = group number = 0-99	dngd-1
	xx IMM	DSN Immedicate key	
	xx LTA	Low Tape Alarm key for mini CDR	cdr-8
	xx MCK	Message Cancellation key. Turns off indication at a telephone.	mwc-1
	xx MDT	Maintain Change/Display Date key	tad-1
	xx MIK	Message Indication key Turns on indication at a telephone.	mwc-1

Prompt	Response	Comment	Pack/Rel
	xx MTM	Maintain Change/Display Time key	tad-1
	xx MTR	Meter key	mr-10
	xx NAS	Network Attendant Service key	nas-20
	xx NUL	Remove feature or function from key	basic-1
	xx PAG yyyy	Paging key Where: yyyy = Route Access Code. This number can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. The route must be defined in LD 16.	basic-1
	xx PRG	Attendant Administration Program key	aa-1
	xx PRK	Call Park key	cprk-2
	xx PRY	DSN Priority key	atvn
	xx RDL	Redial stored number	basic-1
	xx RFW	Attendant Remote Call Forward key	arfw-20
	xx RPAG yyyy	Radio Paging key Where: yyyy = Route Access Code Coordinated Dialing Plan (CDP), Trunk Steering Codes (TSC) and Distant Steering Codes (DSC) can be entered against yyyy.	rpa-15
	xx RTC	Routing Controls key This key will activate the NCOS map defined in LD 86. Must have Network Class of Service (NCOS) package 32.	bars-1
	xx SACP	Semi-Automatic Camp-On key Must have Semi-Automatic Camp-On (SACP) package 181.	sacp-20
	xx SCC yyyy	Speed Call Controller key Where: yyyy = list number, 0-8190	optf-1
	xx SECL	Series Call key Must have Series Call (SECL) package 191	secl-15

Prompt	Response	Comment	Pack/Rel
	xx SSC yyyy	System Speed Call controller key Where: yyyy = list number, 0-4095	ssc-2
	xxTHF	Trunk Switch Hook Flash key	thf-20
	xx TRC	Malicious Call Trace key Must have Malicious Call Trace (MCT) package 107.	mct-10
LANG	(00)-15	Language to download to M2250 on Sysload Language choices: • (00) - English • 01 - French • 02 - Spanish • 03 - German • 04 - Italian • 05 - Norwegian • 06 - Galic • 07 - Turkish • 08 - Katakana • 09 - People's Republic of China • 10 - Taiwan • 11 - Korean • 12 - Polish • 13 - Czech/Slovak • 14 - Hungarian • 15 - No language assigned	basic-1
PRES	0-19	ICI keys to have Presentation Status Up to 20 fields may be input, fields must be separated by a space.	coop-14
QDIS	0-3 0-19	Queue Thermometer Display position, and ICI key number	coop-14
	0-3 REST	Queue Thermometer Display position, all ICI keys that are not displayed on any other displays for the Queue Thermometer	
	0-3 NUL	Queue Thermometer Display position, no ICI key assigned	
	<CR>	Stop the repetition of this prompt	

Prompt	Response	Comment	Pack/Rel
QTHM	(NO) YES	Queue Thermometer equipped Prompted with Console Operations (COOP) package 169.	coop-14
REQ		Request	basic-1
	CHG	Change existing data	
	END	Exit overlay program	
	MOV	Move from one TN to another. CAUTION: There is a possibility of data corruption when consoles are moved using this response.	
		Trunk and Attendant Consoles cannot be moved across loops or superloops. Console data must be deleted "Out data" and reentered in the new location.	basic-25.4
		Note: Superloops on an Small System are as follows: internal superloops in a 2 cabinet Option11C system are (4 slots per Sloop): slots 1- 4 5 - 8 9 - 12 13 - 16 17 - 20 |----------|----------| cabinet 0 cabinet 1	
	NEW	Add new data to the system	
SETN		Second Terminal Number	basic-1
	l s c u	Large System TN format, Where: l s c u = loop, shelf, card, unit	
		Format for CS 1000E, Where: l s c u = loop, shelf, card, unit	basic-4.0
	c u	Small System and CS 1000S format SETN must have same loop, shelf and card as the primary TN if TYPE = 2250. This cannot be a phantom loop.	
SGRP	(0)-999	Scheduled Access Restriction (SAR) Group number Prompted with SAR package 162. Must have group defined in LD 88.	sar-20
SSU	yyyy	System Speed Call User list number Where: yyyy = 0-4095.	ssc-2

Prompt	Response	Comment	Pack/Rel
TN	l s c u	Terminal Number. The TN defines the location of the console.	basic-1
		For Meridian: l s c u = loop, shelf, card, unit	
		The range values are as follows:	
		Where l = • 0 - 159: loops, superloops must be multiples of 4, starting with superloop 0 • 0 - 255: loops, Option 81C	fnf-25
		Where s = • 0 - 3: IPE shelves on loops defined as TERM in LD 17 • 0 - 1: IPE shelves on loops defined as TERD in LD 17 and superloops • 0: IPE shelf on loops defined as TERQ in LD 17	
		Where c = • 1 - 10: IPE cards of dual and enhanced loops • 0 - 15: IPE cards of superloops	
		Where u = • 0 - 3: single density units • 0 - 7: double density units • 0 - 7: integrated services digital line(ISDLC) cards • 0 - 15: digital line cards (DLC)	
	c u	For Small System: c u = card, unit • c = 1 - 50 • u = 0 - 15	basic-16
TOTN	l s c u	To Terminal Number. Prompted when REQ = MOV. TOTN cannot be a phantom loop.	basic-1
	l s c u	Format for Large System, where: l = loop, s = shelf, c = card, u = unit	
		Format for CS 1000E, where: l = loop, s = shelf, c = card, u = unit	basic-4.0
	c u	Format for Small System, where: c u = card, unit TOTN is not prompted for Small System Model sets.	basic-16
	c u	Format for CS 1000S, where: c u = card, unit	basic-1.0
	c u	Format for MG 1000B, and MG 1000T, where: c = card and u = unit	basic-4.0

Prompt	Response	Comment	Pack/Rel
TYPE		Type of data block	basic-1
	2250	M2250 Console data block M2250 requires an ISDLC Card or a Digital Line Card.	
	PWR	Power data block TN used for power or Attendant Supervisory Module (ASM). Third and fourth TNs used for power, or third TN for ASM and fourth and fifth TNs used for power.	

LD 13: Digitone Receivers,Tone Detectors, Multifrequency Senders and Receivers

This program enables the administrator to create or modify data blocks for the following:

- Digitone Receivers (DTR)
- SL-1 Tone Detectors (TDET)
- Multifrequency Receivers (MFR)
- Dial Tone Detectors (DTD)
- Multifrequency Signaling for Socotel (MFE) Senders/Receivers
- 2/5 Spanish KD3 MF Signalling (MFK5)
- 2/6 Spanish KD3 MF Signaling (MFK6)
- Extended Dial Tone Detector/Digitone Receivers (XTD)
- Multifrequency Compelled (MFC) Senders/Receivers
- Extended CLASS Modem Card (XCMC)

These cards are used by 2500-type telephones and trunks that send DTMF tones to the system, and by MF trunks to send MF tones to the system. All 2500 sets and some trunks must have Class of Service (CLS) defined as Digitone (DTN). MF reception is available to QPC916 cards only.

When the Overlay is loaded the available system memory, disk records and system configuration limits are output in a header as follows:

```
DTR000
MEM AVAIL:  (U/P):  xxxxxx  USED:  xxxxx  TOT:  xxxxxxx
DISK RECS AVAIL:  xxx
TNS AVAIL:  xxxxx  USED:  xxxxx  TOT:  xxxxx
```

If an License limit is set to the maximum value 32767, then the information for that License will not be printed. This does not apply for the TNs License.

Prompts and responses

Prompt	Response	Comment
REQ:	aaa	Request (aaa = CHG, END, MOV, NEW, or OUT)
TYPE:	a...a	Type of data block (a...a = DTD, DTR, MFC, MFE, MFK5, MFK6, MFR, TDET, CMODCMOD or XTD)
TN	l s c u	Terminal Number (l s c u ranges are defined on page 232)
POLR	a...a	Polarity of LED messages for DTD (a...a = (NORM) or REV)
XTDT	(0)-7	Extended Tone Detector Table number
- DTO	(NO) YES	Dial Tone Detection Only
CDEN	aa	Card Density (aa = SD, DD, or 4D)
TOTN	l s c u	To Terminal Number (l s c u ranges are defined on page 232)

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
CDEN		Card Density	basic-1
	SD	Enter SD if this unit is on a single density circuit card. The card density cannot be changed from DD to SD if more than one unit is assigned.	
	DD	Enter DD if this unit is on a double density circuit card. DD is not allowed if the network loop is not configured for double density	
	4D	Enter 4D if this unit is on a quadruple density circuit card. 4D is not allowed if the network loop is not configured for quadruple density	
	<CR>	If REQ = NEW and TYPE = DTR then CDEN is set to the default density as specified in the configuration record.	
DTO		Dial Tone Detection Only	dtd-10
	(NO)	Do not disable DTR Detection	
	YES	Disable DTR detection, only perform dial tone detection. Prompted when TYPE = XTD	
POLR		Polarity of LED messages	dtd-10
	(NORM)	Normal	
	REV	Reversed	
REQ		Request	basic-1
	CHG	Change existing data	
	END	Exit overlay program	

Prompt	Response	Comment	Pack/Rel
	MOV	Move Digitone Receiver, Tone Detectors, MF Senders and Receivers from one TN to another CAUTION: There is a possibility of data corruption when Digitone Receivers are moved using this response. MOV command not supported due to complexity of restrictions and the risk of data corruption if restrictions not adhered to. Limited usefulness.	basic-25.4
	NEW	Add new data to the system	
	OUT	Remove information from data block	
TN		Terminal Number	basic-1
	l s c u	For Meridian: l s c u = loop, shelf, card, unit The range values are as follows: Where l = 0 - 159: loops, superloops must be multiples of 4, starting with superloop 0 0 - 255: loops, Systems with Fibre Network Fabric Where s = 0 - 3: IPE shelves on loops defined as TERM in LD 17 0 - 1: IPE shelves on loops defined as TERD in LD 17 and superloops 0: IPE shelf on loops defined as TERQ in LD 17 Where c = 1 - 10: IPE cards of dual and enhanced loops	fnf-25

Prompt	Response	Comment	Pack/Rel
	c u	For Small System: c u = card, unit The range values are: c = 1-50 u = 0-7 u = 8-11 when TYPE = MFR, MFC, MFE, MFK5, MFK6 for Card 0 Note that units 0-7 must be of one type. Units 8-15 must also be of one type. The new MFC/MFE/MFK5/MFK6 units on Card 0 must be enabled using the ENLX 0 command in LD 34.	
TOTN	l s c u	To Terminal Number. Prompted when REQ = MOV.	basic-1
	l s c u	Format for Large System, where: l = loop, s = shelf, c = card, u = unit	
		Format for CS 1000E, where: l = loop, s = shelf, c = card, u = unit	basic-4.0
	c u	Format for Small System, where: c u = card, unit TOTN is not prompted for Small System Model sets.	basic-16
	c u	Format for CS 1000S, where: c u = card, unit	basic-1.0
	c u	Format for MG 1000B, and MG 1000T, where: c = card and u = unit	basic-4.0
TYPE		Type of data block	basic-1
	CMOD	CLASS modem unit. A CLASS modem unit is configured on the XCMC card. A maximum of 32 units can be configured on the XCMC card.	cname-23 cnumb-23
	CMOD	CLASS modem unit. A CLASS modem unit is configured on the XCMC card. A maximum of 32 units can be configured on the XCMC card.	cname-23 cnumb-23

Prompt	Response	Comment	Pack/Rel
	DTD	Dial Tone Detector data block	
	DTR	Digitone Receiver data block	
	MFC	Multifrequency Compelled sender/receiver data block Multifrequency Compelled Signaling (MFC) package 128 is required.	
	MFE	Multifrequency Signaling for Socotel sender/receiver data block. Multifrequency Signaling for Socotel (MFE) package 135 is required.	mfe-10
	MFK5	2/5 Spanish KD3 MF Signaling	kd3-20
	MFK6	2/6 Spanish KD3 MF Signaling	kd3-20
	MFR	Multifrequency Receiver data block MFR applies to Feature Group D. Up to 255 MF Receivers can be defined. Only units 0 and 1 can be used. Feature Group D (FGD) package 158 is required.	
	TDET	Tone Detector data block (Not supported on Small System)	
	XTD	Extended Dial Tone Detector and Digitone Receiver data block	
XTDT	(0)-7	Extended Tone Detector Table number If a table other than 0 is entered, it must exist in LD 97. This prompt appears when TYPE = XTD.	tdet-7

LD 14: Trunk Data Block

This program allows data blocks for trunks to be created or modified.

When the Overlay is loaded the available system memory, disk records and system configuration limits are output in a header as follows:

>ld 14

TRK000
MEM AVAIL: (U/P): xxxxxx USE D: xxxxx TOT: xxxxxxx
DISK RECS AVAIL: xxx
TNS AVAIL: (U/P): xxxxxx USE D: xxxxx TOT: xxxxxxx
RAN CON AVAIL: (U/P): xxxxxx USE D: xxxxx TOT: xxxxxxx
MUS CON AVAIL: (U/P): xxxxxx USE D: xxxxx TOT: xxxxxxx
AST SET AVAIL: xxxxx USED: xxxxx TOT: xxxxx
ITG ISDN TRUNKS AVAIL: xxxx USED: xxxx TOT: xxxx
TRADITIONAL TRUNKS AVAIL: xxxx USED: xx TOT: xxxx

If an License limit is set to the maximum value 32767, then the information for that License will not be printed. This does not apply for the TNs License. The header includes Recorded Announcement Broadcast, Music Broadcast connections and Associated trunk License information.

After making any changes to the trunk data block, IPE trunk cards must be downloaded with **ENLC l s c** command in LD 32.

The Group Hunt/DN Access to SCL package or PLDN package 120 allows an asterisk (*) or double asterisk (**) as a valid input to a number of prompts, usually the asterisk will be part of a dialed number. Without this package, for example, inputting one asterisk will cause the system to reissue the last prompt, and two asterisks will cause a restart of the Overlay at REQ.

Prompts and responses

Prompt	Response	Comment
REQ	a...a	Request (a...a = CHG, END, MOV, LCHG, NEW x, or OUT x)
TYPE	a...a	Type of data block (TYPE responses begin on page 262)
T_TN	l ch	Loop number and channel for tandem PRI connection
- IPRI	l ch	Loop number and channel for incoming PRI channel
- OPRI	l ch	Loop number and channel for outgoing PRI channel
MODL	1-127	Model number for Small System and CS 1000S
TN	l s c u	Terminal Number (l s c u ranges are defined on page 260)
DES	x...x	Designator field for trunk (0-16 character alphanumeric)
CDEN	aa	Card Density (aa = SD, DD, 4D, or 8D)
XTRK	a...a	Extended Trunk (a...a = EXUT, ITG1, ITG2, ITG8, ITGP, MC8, MC32, XCOT, XDID, XEM, XFEM, or XUT)
MAXU	1 - 32	Maximum number of IP units supported (ITG card version dependant)
IPTN	(NO) YES	ITG card Physical TN.
ZONE	0-255	Zone number
FWTM	(NO) YES	Firmware Timing for trunk hook flash
SXS	(NO) YES	Step-by-step CO trunk
SICA	(1)-16	Signaling Category table number
PDCA	(1)-16	Pad Category table number for PRI2,DTI2,JDM,PRI,DTI trunks
PCML	aa	Pulse Code Modulation Law (aa = MU or A)
TOTN	l s c u	TO Terminal Number
DDSL	0-15	Digital DASS2/DPNSS Signaling Link (NT hardware)
DTSL	0-159	Digital Trunk Signaling Link (GPT hardware)
SIGL	aaa	Level 3 Signaling
CUST	xx	Customer number associated with this trunk
SFEX	(NO) YES	Special digital FEX trunk
IAPG	(0)-15	Event Group for USM message
NCOS	xx	Network Class of Service group
RTMB	xxx xxx	Route number, Member number
CONN	(4)-48	Maximum number of broadcast connections allowed for this trunk.
INC	(YES) NO	Increasing channel numbers and decreasing member numbers
PRIO	aaa	Priority designation (aaa = (XHP) or YLP)
CHID	xxxx	Channel ID for this trunk.
SREF	1-9999999	ISDN Semi Permanent Connection (ISPC) Reference Number
SDCH	(NO) YES	Is the ISPC link used by a D-channel?
SMAS	(NO) YES	Is this ISPC acting as a MASTER when connecting data interfaces to the ISPC link?

MTN	l s c u	Modem Terminal Number
PRDN	xxxx	Private Line Directory Number
CMF	(NO) YES	Call Modification Features restriction
RLDN	xxxx	Release Link Trunk Directory Number
NGRP	(0)-9	Night Service Group number
NITE	xxxx	Night Service directory number
ATDN	xxxx	Auto Terminate DN
MNDN	xxxx	Manual Directory Number
TGAR	xx	Trunk Group Access Restriction
SIGL	aaa	Trunk Signaling (SIGL responses begin on page 253)
XDIC	aaa	Outpulsing for DIC trunks (aaa = (MUT) or NOR)
EMTY	aaa	E & M Type (aaa = (TY2), TY1, or BPO)
CPAD	a...a	Carrier Pad out or Carrier Pad in for 4-wire E & M duplex trunks (a...a = (COUT) or CIN)
LDOP	a...a	Loop Dial Outpulsing (a...a = (LOOP) or BOP)
TIMP	x...x	Termination Impedance
BIMP	a...a	Balance Impedance (a...a = (3COM), 600, 900, or 3CM2)
AUTO_BIMP		
	(NO) YES	Automatic Balance Impedance Option
STRI	a...a	Start arrangement Incoming (a...a = DDL, IMM, MWNK, OWK, PTSD, SACK, RT, or WNK)
STRO	a...a	Start arrangement Outgoing (a...a = DDL, IMM, MWNK, OWK, PTSD, SACK, RT, or WNK)
SUPN	(NO) YES	Answer and disconnect Supervision required
- STYP	a...a	Supervision Type (a...a = ARF, BAT, BST, BTS, JDID, JCO, LBS, PIP, and PSP)
AST	(NO) YES	Associated trunk for CTI trunk Monitoring and Control
SEIZ	(NO) YES	Automatic Guard Detection for outgoing trunk
PPID	(0)-15	Periodic Pulse Metering country ID
BTID	(0)-15	Busy Tone country ID
CLS	a...a	Class of Service (CLS responses begin on page 240)
MFL	(0)-15	Multifrequency digit level
MFLI	(0) 1	Multifrequency transmit level identifier
MFPD	(NO) YES	Multifrequency PAD
BTDT	(0)-7	Busy Tone Detection Table
FCAR	(NO) YES	Forced Charge Account
TKID	nnnnnnn	Trunk Identifier
DTCR	(NO) YES	Digit Collection Ready
CFLP	0-159	Music Conference Loop

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
AST	(NO) YES	Associated trunk for CTI trunk Monitoring and Control	basic-23
ATDN	x...x	Auto Terminate DN This DN can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. A Group Hunt pilot DN can be entered. If a DNIS route is defined, then the response can only be an ACD DN. If no DN is assigned, the NITE number of the trunk will be used. Must have AUTO = YES in LD 16. Not prompted for Option 11C models.	disa-1
AUTO_BIMP			btd-23
	(NO) YES	Enable Automatic Balance Impedance Option. Prompted only for EXUT type trunks. Not supported on dual Busy Tone Detection card (NT5D31).	
BIMP	(3COM)	3-component Complex Impedance	tip/ xpe-19
	600	Not prompted for RAN which exclusively uses 600	
	900	Not prompted for XEM trunks	
	3CM2	For XUT trunks, the Termination Impedance (TIMP) must be compatible with the Balance Impedance (BIMP). See prompt TIMP for allowed combinations of BIMP/TIMP. When using the Enhanced Universal Trunk card only 600 or 900 ¾ terminating impedance is allowed. However, more Terminating and Balance Impedance (BIMP) combinations are available. In the case of AUTO_BIMP, this BIMP value will be used as default value if an optimum AUTO_BIMP is not found or if the AUTO_BIMP test is not complete.	btd-23

Prompt	Response	Comment	Pack/Rel
		The Terminating and Balance Impedance options are listed below. TIMP BIMP 600 600 600 3COM 900 3COM 900 900 900 3CM2 600 3CM2	
BTDT	(0)-7	Busy Tone Detection Table The BTD table must be defined in LD 97. BTDT is mutually exclusive with BTID.	btd-21
BTID	xxxx	Busy Tone country ID This must be configured for a BTS supervised XCOT trunk. One BTID type per card. Trunks must be removed from card to change BTID. BTDT is mutually exclusive with BTDT. Busy Tone ID — Recommended Country 0-2 Reserved for future use 3 Germany, Ireland 4 Switzerland 5 Denmark 6 Norway, Kuwait, Chile, Venezuela, Indonesia, Thailand, Korea 7 Holland 8 Australia, Mexico 9 Ireland 10 Taiwan, Brazil, Tortola, Mexico 11 Singapore 12 Argentina, Italy 13 Lebanon, Italy 14 Turkey 15 Reserved for future use	btd-21

Prompt	Response	Comment	Pack/Rel
CDEN		Card Density	basic-7
	SD	Single Density	
	DD	Double Density	
	4D	Quad Density for XCOT only	
	8D	Octal Density for XCOT only and there is no default. Not prompted for superloops or Small System and CS 1000S Models.	
CFLP	0-159	Music Conference Loop	mus-1
CHID	1-382	Channel ID for this trunk Prompted when the Route specified has ISL enabled in LD 16. The number of ISL trunks allowed for the D-channel is specified in LD 17. A different channel ID is requested for each Phantom TN which is used for ISPC links. The same channel ID must be configured for the same ISPC reference number on both PBXs linked by the connection.	isl-12
	1-4300	For CS 1000 Release 4.0	basic-4.0
CIST	(NO)	Incoming CIS three wire trunk is not a toll trunk	cist-21
	YES	Incoming CIS three wire trunk is a toll trunk CIST appears for trunks when SIGL = CIS. Only prompted for incoming route.	
CLS		Class of Service options for trunks. Defaults are shown in parentheses. Enter each non-default option required, followed by a space.	basic-1
	(APN)	ACD Priority not required	bacd-1
	APY	ACD Priority required Applies only to COT, WAT, DID and FEX trunks.	
	(BARD)	Barring Denied	basic-7
	BARA	Barring Allowed	

Prompt	Response	Comment	Pack/Rel
	(CLID)	Calling Line Identification Denied	acli-24
	CLIA	Calling Line Identification Allowed	
	CMFS	CMFS trunk register signaling means that the CIS MF Shuttle protocol is supported by the trunk. CMFS may be defined only for trunks on CDTI2/CSDTI2 with “CISFW=MFS” and only if both the MFS and CIST Packages are equipped.	cismfs-23
	(CND)	Calling party Denied	mfc-21
	CNA	Calling party Allowed Allowed for L1 Multifrequency Compelled Signaling and R2 MFC trunks. Automatic Number Identification is denied for an Outgoing Loop Start (LOP) Central Office Trunk (COT). Must have Commonwealth of Independent States (CIST) package 221 or Multifrequency Compelled Signaling (MFC) package 128.	
	(CORX)	Central Office Ringback not provided by SL-1	supp-14
	CORP	Central Office Ringback provided by SL-1	
	(DIP)	Dial Pulse	basic-21
	DPDT	Dial Pulse Digitone (incoming dial pulse - outgoing digitone)	basic-24
	DTDP	Digitone Dial Pulse (incoming digitone - outgoing dial pulse)	basic-24
	DIPF	DIPF trunk register signaling requires that DP digit collection be performed by firmware. Applies to CDTI2 or CSDTI2.	
	DTN	Digitone	
	MFC	R2 Multifrequency Compelled Signaling. MFC can be configured on 1.5 DTI routes.	
	MFE	Multifrequency Signaling for Socotel	
	MFK	Multifrequency Signaling for KD3	basic-20
	MFR	Multifrequency Receiver for Feature Group D	

Prompt	Response	Comment	Pack/Rel
	MFX	Mixed Signaling (MFC/DTMF)	
	(DRPD)	DTR PAD value Denied	dti2-10
	DRPA	DTR PAD value Allowed Can only be configured for 2.0 Mb/s DID with DTI2 enabled.	
	(ECD)	Echo Canceling Denied	basic-1
	ECA	Echo Canceling Allowed ECA indicates Echo suppression equipment is connected to trunk.	
	(HKD)	Hong Kong DTI Denied	basic-6
	HKA	Hong Kong DTI Allowed May only be used with DTI TNs with DTN CLS on DID or TIE routes.	
	(LNT)	Loop Start Non-supervisory Trunk	xutj-16
	JDID	Japan DID (JDID not valid for XCOT trunks)	
	JCO	Japan CO capabilities allowed. JCO should only be accepted with SIGL = LOP. Japan PSTN trunks, (QPC686), not allowed for XUT/XEM. Answer NO to prompt SUPN for an unsupervised trunk, instead of using LNT. For supervised trunks answer YES to SUPN then enter the appropriate supervision type at prompt STYP.	
	(LPR)	Low Priority	basic-1
	HPR	High Priority DID and TIE trunks should use HPR and be installed in card slot 1. Superloops do not require any trunks assigned as high priority.	
	(MID)	Manual Incoming Denied	basic-1
	MIA	Manual Incoming Allowed	

Prompt	Response	Comment	Pack/Rel
		Make-break ratio for dial pulse dialing	basic-21
	(P10)	10 pulses per second	
	P12	(see explanation below)	
	P20	20 pulses per second	
		P12 option: • P10 = primary 10 pps make-break ratio of 50% • P12 = secondary 10 pps make-break ratio of 50%	
		All three make-break ratios can be set for XUT, XUTJ and XEM trunks. See prompts P10R, P12R and P20R in LD 97.	
		Use P10 for PPS1 and P12 for PPS2 XUT/XEM trunks.	
		For Small System, P10 and P12 is also used for DTI/DTI2 trunks. P12 applies only to XUT, XUTJ and XEM trunks.	
	(PIP)	Polarity Insensitive card. (PIP is used for QPC330 and QPC331 packs)	basic-10
	PSP	Polarity Sensitive card (use PSP for QPC218, QPC219 and QPC295 packs). When using PSP in North America, the trunk route should have message registration set to reverse battery; the LD 16 prompt MR should be set to RVB.	
	BST	Battery Supervised card (SIGL = LOP is required)	basic-4
		For loop start trunks with Answer Supervision in U.S., the NT8D14 Universal Trunk does not provide Message Registration, PPM or PIP operation.	
		This can be used for Answer Supervision on Ground Start trunks.	
		Not valid for XCOT trunks.	
	SHL	Short line Class of Service	basic-20
	LOL	Long line Class of Service	
		SHL replaces NTC and LOL replaces TRC and VNL for XDID and XCOT trunks.	
	(SPCD)	Analog Semi-Permanent Connections Denied	basic-24
	SPCA	Analog Semi-Permanent Connections Allowed	

Prompt	Response	Comment	Pack/Rel
	MIA	Manual Incoming Allowed	
	(THFD)	Centrex Switchhook Flash Denied	basic-14
	THFA	Centrex Switchhook Flash Allowed	
		Transmission Class of Service	tip-19
	(TRC)	Transmission Compensated	
	NTC	Non-Transmission Compensated	
	VNL	Via Net Loss The default depends on the signaling type (SIGL) • DX2 = VNL • DX4 = VNL • EAM = VNL • EM4 = VNL • GRD = NTC • LDR = NTC • LOP = NTC • OAD = NTC VNL Class of Service is allowed with Universal Trunk Tie trunks. For XDID and XCOT cards: • NTC is replaced by SHL • TRC and VNL are replaced by LOL Existing databases will be converted automatically. For EM4 and WR4, AC15 = 2280 Hz. on XFEM trunks: • NTC and VNL are equivalent to TIE designation • TRC is equivalent to LINK designation • TIE = PBX-PBX connections via leased line • LINK = PBX-PBX connections on-premises	
	(CTD)	Conditionally Toll Denied. CTD is the default for trunk types: TIE, CSA, ATVN, FGD, and IDA	
	CUN	Conditionally Unrestricted	
	FR1	Fully Restricted class 1	
	FR2	Fully Restricted class 2	

Prompt	Response	Comment	Pack/Rel
	FRE	Fully Restricted	
	SRE	Semi-Restricted	
	TLD	Toll Denied	
	UNR	Unrestricted. Only UNR is allowed for CO, FX and WATS trunks. UNR is the default for all trunk types *except*: TIE, CSA, ATVN, FGD, and IDA	
	(WTA)	Warning Tone Allowed	basic-7
	WTD	Warning Tone Denied	
	(XARF)	ARF Supervised COT denied	basic-7
	ARF	ARF Supervised COT allowed Must have TYPE = COT, XTRK = XCOT and SIGL = LOP. Answer YES to prompt SUPN then enter the appropriate supervision type at prompt STYP.	
	(XBAT)	Battery Supervised COT denied	basic-7
	BAT	Battery Supervised COT allowed Answer YES to prompt SUPN then enter the appropriate Supervision Type at prompt STYP. Must have TYPE = COT, XTRK = XCOT and SIGL = LOP.	
	(XBTS)	Busy Tone Supervised COT denied	basic-7
	BTS	Busy Tone Supervised COT allowed Answer YES to prompt SUPN and then enter the appropriate supervision type at prompt STYP.	
	(XLBS)	Loop Break Supervised COT denied	basic-7
	LBS	Loop Break Supervised COT allowed Answer YES to prompt SUPN and then enter the appropriate Supervision Type at prompt STYP. Must have TYPE = COT, XTRK = XCOT and SIGL = LOP.	

Prompt	Response	Comment	Pack/Rel
	(XREP)	Reversed Ear Piece denied	rpa-15
	RVEP	Reversed Ear Piece allowed The E-lead is reversed for a radio paging trunk	
CMF		Call Modification restriction	basic-1
	(NO)	Call Modifications allowed	
	YES	Call Modifications not allowed	
CONN	(4)-48	Define the maximum number of broadcast connections allowed for this trunk.	ranbrd-23 ran-23
CPAD	(COUT)	Carrier Pad Out for 4-wire E & M duplex trunks	xpe-15
	CIN	Carrier Pad In for 4-wire E & M duplex trunks With CPAD = CIN, a 7 dB pad attenuates the trunk input and a 16 dB pad attenuates the trunk output.	
CUST	xx	Customer number (defined in LD 15 and prompted when REQ = NEW)	basic-1
DDSL	0-15	Digital DASS2/DPNSS Signaling Link DASS2/DPNSS D-channel	basic-7
DES	x...x	Designator field for trunk groups of 0-16 alphanumeric characters including spaces separating inputs (DES is an optional entry).	basic-22
DTCR	(NO) YES	Digit Collection Ready Send acknowledge when digit collection resources such as DTR, MFC, and S/R are ready and attached. Prompted when TYPE = DID and CLS = DTN. Prompted with International Supplementary Features (SUPP) package 131. Prompted when the incoming trunk is analog, answer supervision is on, and EOS is set to BSY.	basic-7
DTSL	0-159	Digital Trunk Signaling Link DASS2/DPNSS Signaling Link	basic-7

Prompt	Response	Comment	Pack/Rel
		Not supported on Small System and CS 1000S	
EMTY		E & M Type	xpe-15
	(TY2)	4-wire E&M Type 2	
	TY1	4-wire E&M Type 1	
	BPO	4 wire E&M British Post Office. (BPO is allowed if TYPE = XFEM and SIGL = EAM or EM4)	
	X	Precede with X to delete	
FCAR	(NO) YES	Forced Charge Account	chg-1
FWTM	(NO)	Firmware Timing for Trunk Hook Flash is not used by the card	ccb-21
	YES	Firmware timing for Trunk Hook Flash is used by the card This prompt appears if Collect Call Blocking (CCB) package 290, Malicious Call Trace (MCT) package 107 or Trunk Hook Flash (THF) package 157 are enabled.	
IAPG	(0)-15	Event Group for USM message	basic-23
INC	(YES)	Increasing channel numbers and member numbers	basic-7
	NO	Increasing channel numbers and decreasing member numbers	
IPRI	l ch	Incoming PRI channel This is the PRI channel through which the Meridian 1 gains access to the PSPDN. Where: • Loop = PRI loop number • Channel = PRI channel that holds the incoming nailed up connection (between 1-23)	mph-19
IPTN		ITG card Physical TN.	basic-25
	(NO)	The Terminal Number is a trunk unit on ITG card.	
	YES	The Terminal Number is used for concentration purpose. IPTN is output only if XTRK is ITG1 or ITG2.	

Prompt	Response	Comment	Pack/Rel
LDOP		Loop Dial Outpulsing	xpe-15
	(LOOP) BOP	Loop outpulsing for Loop Dial Repeating signalling Battery Oupulsing for Loop Dial Repeating signalling	
MAXU		Maximum number of Internet Protocol (IP) units supported	itg- 25
	1-32 1-24	Meridian Integrated IP Telephony Gateway (dual slot) Meridian Integrated IP Telephony Gateway (single slot) Maximum number of voice media channels supported	
	32	For CS 1000S	basic-2
MFL	(0)-15	Multifrequency digit level. MFL is not prompted for Option 11C. Expanded from 0-7 to 0-15 for Meridian 1 for superloop only. Enter the MFC digit level required for signals to the Public Switched Telephone Network (PSTN). Non-superloop codes and values: Codes Level Values (0) - 5 dBm 1 - 8 dBm 2 - 9 dBm 3 - 10 dBm 4 - 11 dBm 5 - 12 dBm 6 - 13 dBm 7 - 32 dBm	basic-2

Prompt	Response	Comment	Pack/Rel
		Superloop codes and values: Codes — Level Values (0) - 8 dBm 1 - 11 dBm 2 - 12 dBm 3 - 13 dBm 4 - 14 dBm 5 - 15 dBm 6 - 16 dBm 7 - 31 dBm 8 - 4 dBm 9 - 5 dBm 10 - 6 dBm 11 - 7 dBm 12 - 9 dBm 13 - 10 dBm 14 Spare 15 Spare	
MFLI		Multifrequency transmit level identifier. MFLI is prompted exclusively for the Small System. MFLI is prompted when CLS = MFC, MFE, or MFK.	opt11c-22
	(0)	Use multifrequency transmit level as defined for MFTL0 in LD 97.	
	1	Use multifrequency transmit levels defined for MFTL1 in LD 97.	
MFPD	(NO) YES	Multifrequency PAD MFPD is prompted if CLS = TLD, CUN or CTD, and if the trunk type is CSA or TIE. TLD is recommended. MFPD is not prompted if the route is 1.5 DTI and CLS= MFC.	basic-3
MNDN	x...x	Manual Directory Number This DN can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. A Group Hunt pilot DN can be entered. CLS should be MIA.	basic-1
MODL	1-127	Model number for Small System Model number for CS 1000S	basic-14 basic-1

Prompt	Response	Comment	Pack/Rel
NCOS	(0)-99	Network Class of Service group	ncos-1
NGRP	(0)-9	Night Service Group number NGRP appears when ENS = YES in LD15. This prompt replaces the NITE prompt. If ENS is changed from NO to YES while Night Service is in effect, the system verifies that the NITE number defined is a group number or a DN. If a night DN or 0000 is defined, the existing NITE number is used.	basic-2
NITE	x...x	Night Service directory number This DN can be up to 4 digits, up to seven digits with Directory Number Expansion (DNXP) package 150. A Group Hunt pilot DN can be entered. Night Service applies to trunks terminating at the attendant. This prompt takes precedence over the NITE and NIT1-NIT4 prompts in LD 15. If a DN is defined here, the call goes to this DN. If there is no DN here, the call goes to the defined LD 15 NITE prompts. Precede with X to remove.	basic-1
OPRI	l ch	Outgoing PRI channel (the PRI channel through which the Meridian 1 gains access to the PSPDN) Where: Loop = PRI loop number and Channel = PRI channel that holds the outgoing nailed up connection (between 1-23).	mph-19
PCML		Pulse Code Modulation Law	dti 2-15
	MU	Mu-law	
	A	A-law PCML is not prompted for JDMI loops. Prompted if loop is PRI2, DTI2, or if loop is PRI/DTI and is equipped with International 1.5/2.0 Mb/s Gateway (GPRI) package 167.	

Prompt	Response	Comment	Pack/Rel
PDCA	(1)-16	Pad Category table number The PAD table must be defined in LD 73 first.	dti 2-15
PPID	xx	Periodic Pulse Metering (PPM) country ID Must be configured if PPM is enabled. One PPID type per card. Trunks must be removed from card to change PPID. PPMID / Frequency / Recommended Country (0) / 50 Hz / UK 1 / 12 kHz / France 2 / 50 Hz / France 3 / 16 kHz / Germany, Turkey, Egypt, Venezuela, Indonesia, Finland 4 / 12 kHz / Switzerland, Ireland, Portugal, Italy, Spain, Lebanon, Turkey 5 / 12 kHz / Denmark 6 / 16 kHz / Norway, Belgium 7 / 50 Hz / Holland 8 / 12 kHz/50 Hz / Australia (two different packs) 9-15 / -------- / Reserved for future use	basic-7
PRDN	x...x	Private Line Directory Number PRDN must be defined in LD 11. This DN can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150.	basic-1
PRIO	(XHP) YLP	Priority designation. Prompted if SIGL = DPN. X High Priority Y Low Priority Used to determine which end has priority in a glare condition, where both sides seize the trunk at same time. XHP always has priority over YLP.	basic-7

Prompt	Response	Comment	Pack/Rel
REQ		Request	basic-1
	CHG	Change existing data block	
	END	Exit overlay program	
	LCHG	Print date and time that a trunk data block was last changed. The change can be the result of a NEW, OUT, or CHG command.	
	MOV	Move data block from one TN to another. Not valid for Small System and CS 1000S Models. MOV cannot be used to move a Phantom TN. MOV command cannot be used to move trunk data blocks.	basic-25.4
	NEW x	Add new data block to the system. Follow NEW with a value of 1-255 to create that number of consecutive trunks. You are not allowed to create more than one Phantom TN at a time. When a value different than 1 is entered for the creation of a Phantom TN, it is simply ignored and only one TN is created.	
	OUT x	Remove data block. Follow OUT with a value of 1-255 to remove that number of consecutive trunks.	
RLDN	x...x	Release Link trunk Directory Number This DN can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150.	cas-1
RTMB		Route number and Member number	basic-1
	0-511 1-510	Large System	basic-24
	0-127 1-510	Small System B-Channel Signaling is output if CHTY = BCH in LD 16. A/B Bit Signaling is output if CHTY = ABCH in LD 16. To use the ISDN Semi Permanent Connection (ISPC) link, this entry must be an ISL TIE route.	basic-24
	0-511 1-4000	Large System and CS 1000E system	basic-4.0
	0-127 1-4000	Small System, CS 1000S system, MG 1000B, and MG 1000T ***Note:*** CS 1000 Release 4.0 Virtual Trunks are limited to 1800 for SIP and 1200 for H.323. Maximum 1800 combined.	basic-4.0

Prompt	Response	Comment	Pack/Rel
		Note:	
SDCH	(NO)	The ISPC link is not used by a D-channel	ispc-22
	YES	The ISPC link is used by a D-channel	
SEIZ	(NO) YES	Automatic Guard Detection for outgoing trunk	basic-2
SFEX	(NO) YES	Special digital FEX trunk This is used on Digital Trunk Interface (DTI).	dti-5
SICA	(1)-16	Signaling Category table number The Digital Signaling Category table must be defined first. See FEAT = ABCD in LD 73. Default is 16 if loop type = JDMI.	dti 2-15
SIGL		Level 3 signaling	tip-21
	ALS	ALS signaling on COT trunk with ground start	
	APNS	Alternate Private Network Signaling System	
	CIS	CIS three wire trunk signaling for IPE. Commonwealth of Independent States (CIST) package 221 is required.	
	DAS	Digital Access Signaling System Number 2. This is allowed if DASS2 package 124 is equipped and PRIV = NO in DTSL data block in LD 74.	
	DPN	Digital Private Network Signaling System Number 1, allowed for DPNSS package 123.	
	DX2	2-wire duplex	
	DX4	4-wire duplex. The Enhanced Universal Trunk card uses DX4 signaling.	
	EAM	E&M 2-wire	

Prompt	Response	Comment	Pack/Rel
	EM4	E&M 4-wire	
	GRD	Ground start	
	LDC	Loop calling, Disconnect Clear. Accepted when TYPE = COT and UK package is equipped.	
	LDR	Loop Dial Repeating	
	LGR	Loop calling, Guarded Release. Accepted when TYPE = COT and UK package is equipped.	
	LOP	Loop start	
	OAD	Outgoing Automatic, incoming dial	
	WR4	AC15 = 2280 Hz, 4-wire	
SMAS	(NO)	This ISPC is not acting as a MASTER when connecting data interfaces to the ISPC link	ispc-22
	YES	This ISPC is acting as a MASTER when connecting data interfaces to the ISPC link SMAS is prompted when SDCH =YES. When the ISPC link is used to convey D-channel signaling, it is mandatory to have one side of the ISPC link configured with SMAS=YES and the other side with SMAS=NO. SMAS must be YES on the side of the ISPC link where the data interface is configured with the auto dialing capability.	
SREF	1-9999999	ISDN Semi Permanent Connection (ISPC) Reference Number The ISPC reference number is defined by Telecom administration at the time of subscription. The response is limited to seven digits. When REQ=NEW, the number given must be different than all the other ISPC reference numbers already associated with other Phantom trunk TNs.	ispc-22

Prompt	Response	Comment	Pack/Rel
STRI		Start arrangement Incoming	basic-5
		Your response to STRI determines which type of signaling will be used by the trunk to initiate digit sending or collection. Your STRI response should reflect the type of operation in use at the near end.	
	DDL	Delayed Dial	
		The terminating trunk returns an off-hook to the originating trunk, which is interpreted as an instruction not to send digits immediately. This delay allows the terminating end to find and attach digit collections equipment. When the equipment is attached, the terminating end returns on-hook which is interpreted as a signal to start sending digits.	
		For this application on incoming calls, the Meridian PBX sends a non-programmable 256-384 ms pulse. For outgoing calls, the Meridian PBX expects a delay-dial pulse from the far end to terminate before sending digits. Some types of delay-dial operation can also be accommodated by the IMM option.	
	IMM	Immediate	
		The terminating trunk is not expected to return a pulse telling the originating end to begin sending digits. In this application for incoming calls, the Meridian 1 returns a 256-384 ms off-hook/on-hook wink to the far end. This wink accommodates certain types of delay-dial operation.	
		For outgoing calls, the Meridian 1 starts a 300 ms timer when the outgoing trunk is seized. Digits are sent out when an off-hook/on-hook wink returned from the far end ends, or when the 300 ms timer expires (whichever occurs first).	
	MWNK	Modified Wink (MWNK) is printed automatically for Taiwan R1 trunks.	twr1-24
	OWK	Off-Hook Wink for RLR trunks equipped with signaling converter	
		This mode of operation is similar to wink except that the Meridian 1 waits one second after seizure before sending a wink start pulse. This arrangement applies only to release link remote trunks.	

Prompt	Response	Comment	Pack/Rel
	PTSD	Proceed to Send for CEPT L1 signaling Allowed only for Tie trunk using WR4 signaling.	basic-20
	RT	RON/TRON start arrangement to be sent by the near end PABX upon reception of an Incoming Seize	basic-20
	WNK	Wink or Fast Flash The terminating trunk sends an off-hook/on-hook wink as in DDL operation. However, in WNK operation the pulse is interpreted as a signal that digit collection equipment has been attached. The pulse is expected to be of 140-290 ms duration. For this application, the Meridian 1 first waits 128-256 ms after seizure and then returns a 256 ms pulse to the far end. After this, the Meridian 1 is ready to collect digits. On outgoing calls, the Meridian 1 waits until the wink pulse is finished before sending digits.	
	SACK	Seize Acknowledge for CEPT L1 signaling Allowed only for Tie trunk using WR4 signaling.	basic-20
STRO		Start arrangement Outgoing Your response to STRO determines which type of signaling will be used by the trunk to initiate digit sending or collection. Your STRO response should reflect the type of operation in use at the far end.	basic-5
	DDL	Delayed Dial	
	IMM	Immediate	
	MWNK	Modified Wink (MWNK) is printed automatically for Taiwan R1 trunks.	twr1-24
	OWK	Off-Hook Wink for RLR trunks equipped with signaling converter	

Prompt	Response	Comment	Pack/Rel
	PTSD	Proceed to Send for CEPT L1 signaling Allowed only for Tie trunk using WR4 signaling.	xpe-20
	RT	RON/TRON start arrangement to be received by the near end PABX after an outgoing seize has been sent	xpe-20
	SACK	Seize Acknowledge for CEPT L1 signaling Allowed only for Tie trunk using WR4 signaling.	xpe-20
	WNK	Wink or Fast Flash	
STYP		Supervision Type. STYP is prompted when SUPN = YES. For EPE equipment, only one response of PSP, PIP or BST will be accepted. For IPE equipment or with XUT/EXUT, only one of BST, PIP, JDID, or JCO will be accepted. For XCOT, STYP will accept up to two responses. The responses BAT, ARF and LBS are mutually exclusive. However, BTS can be used with any one of the aforementioned three responses. When BTD and Japan packages are equipped, BTS can be assigned to an XUT card. For Japan, TYPE = COT, SIGL = LOP, SUPN = YES, STYP = JCO BTS or TYPE = DID, SIGL = LOP, SUPN = YES, STYP = JDID BTS.	basic-20
	ARF	ARF supervised trunks. Must have XCOT LOP trunks.	
	BAT	Battery Supervised COT. Must have XCOT LOP trunks.	
	BST	Both Supervised Trunk Incoming and Outgoing supervised LOP CO/FEX/WATS trunk (QPC330/XUT/EXUT). BST and PIP are mutually exclusive.	

Prompt	Response	Comment	Pack/Rel
	(BTS)	Busy Tone Supervision. BTS is the default when XTRK = XCOT. Must have XCOT LOP trunks. BTD package must be equipped. BTS can be configured with any one of PIP, BST, JCO or JDID.	
	(PSP)	Polarity Sensitive Pack. PSP is the default when SIGL = GRD. Outgoing supervised LOP or GRD start CO/FEX/WATS trunk (QPC218/XUT/EXUT)	
	JCO	Japan CO trunk. Must have Japan Central Office Trunks (JPN) package 97 with LOP trunks (XUTJ). JCO and BTS are no longer mutually exclusive.	
	(JDID)	Japan DID trunk. JDID is the default when the trunk is a LOP DID trunk. Must have Japan Central Office Trunks (JPN) package 97. JDID is not automatically displayed.	
	LBS	Loop Break Supervision. Must have XCOT LOP trunks.	
	(PIP)	Polarity Insensitive Pack. PIP is the default when SIGL = LOP. Outgoing supervised Loop start CO/FEX/WATS trunk (QPC330/XUT/EXUT). PIP and BST are mutually exclusive.	
SUPN	(NO) YES	Answer and disconnect supervision required SUPN must = YES for a COT with Virtual Network Service. For ground start trunks disconnect supervision is detected even if SUPN = NO. The operation of answer supervision is affected if Federal Communications Commission Compliance for DID Answer Supervision (FC68) package 223 is equipped. SUPN will automatically be prompted YES for DID LOP.	basic-1

Prompt	Response	Comment	Pack/Rel
SXS	(NO) YES	Step-by-step CO trunk Only prompted for Universal Trunks XTRK or XUT when TYPE = CO. The central office reverses polarity on outgoing calls.	xpe-15
T_TN	l ch	Tandem PRI connection. Where: • Loop = PRI loop number • Channel = PRI channel that holds the outgoing nailed up connection (between 1-23) If the connection exists, both channels are displayed. Prompted if TYPE = TCON.	mph-19
TGAR	0-(1)-31	Trunk Group Access Restriction. The default of (1) automatically blocks direct access.	basic-1
TIMP		Termination Impedance. Prompted if XTRK = XEM or XUT.	tip/xpe-19
	(600)	600 ohms	
	900	900 ohms	
	1200	1200 ohms Use 1200 ohms for RAN trunks and (600) or 900 for all others. When using the Enhanced Universal Trunk card only 600 or 900 ¾ terminating impedance is allowed. However, more Terminating and Balance impedance (BIMP) combinations are available. The terminating and balance impedance options are: TIMP BIMP 600 600 600 3COM 900 3COM 900 900 900 3CM2 600 3CM2 For XUT trunks, the Termination Impedance or TIMP must be compatible with the Balance Impedance or BIMP.	

Prompt	Response	Comment	Pack/Rel
		The following combination of BIMP/TIMP are allowed: Timp Impedance / Bimp Impedance 600 ohms / 3-component or 3com 900 ohms / 3-component or 3com 600 ohms / 600 ohms 1200 ohms / 600 ohms For XEM trunks, TIMP must be set to 600. When CLS = JDID, TIMP must be set to 600.	
TKID	nnnnnnn	Trunk Identifier Does not have to be unique. Default is no trunk identifier assigned.	basic-6
TN	l s c u	Terminal Number, Large System format • l = 0-159 • l = 0-255 with Fibre Network Fabric l = 0, 4, 8, - 252 for CS 1000E	basic-1 fnf-25 basic-4.0
	c u	Terminal Number, Small System format For Option 11C • c = 1-50 • u = 0-31 For Option 11C Chassis • c = 0-4, 7-14, 17-24, 27-34, 37- 44, 47-50 • u = 0-31	basic-14
		Terminal Number, CS 1000S system format • c = 11-14, 17-24, 27-34, 37- 44, 47-50 • u = 0-31	basic-1
		Format for MG 1000B Chassis, where: c = card and u = unit • c = 0-4, 7-10 • u = 0-31	basic-4.0
		Format for MG 1000T, where: • c = 0-4, 7-10, 11-14, 17-24, 27-34, 37- 44, 47-50 • u = 0-31	basic-4.0

Prompt	Response	Comment	Pack/Rel
	l ch	Terminal Number for digital trunks when TYPE = RDC or VDC:	
		l = 0-159, Large System l = 0, 4, 8 - 252, CS 1000E l = 0-255: loops, Systems with Fibre Network Fabric	basic-4.0 fnf-25
		• l = 1-9 Option 11C l = 1-9, 11-19, 21-29, 31-39, 41-49, Option 11C with Survivable IP l = 11-14, 21-24, 31-34, 41-44 for CS 1000S l = 0-4, 7-10, 11-14, 17-24, 27-34, 37- 44, 47-50 for MG 1000T • ch = channel 1-24 for 1.5 Mb/s DTI/PRI or 1-30 for 2.0 Mb/s DTI/PRI.	sipe-25 basic-1.0 basic-4.0
		TN cannot belong to a phantom loop. TYPE must be TIE if this TN is on a Phantom loop.	
		TN is not prompted for model sets.	
	c u	Terminal Number of the first Virtual Trunk	
		For CS 1000S system, where: • c = 61-99	basic-2.0
		For MG 1000T, where: • c = 61-69	basic-4.0
	xx xx	PRI loop and channel	atvn-25.47
TOTN		To Terminal Number. TOTN is prompted when REQ = MOV. TOTN cannot be a phantom loop.	basic-1
	l s c u	Format for Large System	
		Format for CS 1000E	basic-4.0
	c u	Format for Small System Format for CS 1000S system	basic-7 basic-1.0
	c u	Format for MG 1000B, and MG 1000T, where: c = card and u = unit	basic-4.0
	l ch	Loop and channel for digital trunks when TYPE = RDC or VDC	

Prompt	Response	Comment	Pack/Rel
TYPE	ADM	Add-on Data Module data block Data port interfacing with a data line card	basic-1
	ADM M	Small System and CS 1000S Model	
	AWR	Automatic Wake Up RAN/Music trunk data block.	
	AWR M	Small System and CS 1000S Model	
	CAA	Common Control Switching Arrangement (CCSA) Automatic Number Identification (ANI) trunk data block	
	CAA M	Small System and CS 1000S Model	
	CAM	CAMA trunk data block	
	CAM M	Small System and CS 1000S Model	
	CBCT	NI-2 CBC trunk	
	COT	Central Office Trunk data block	
	COT M	Small System and CS 1000S Model	
	CSA	Common Control Switching Arrangement access line data block	
	CSA M	Small System and CS 1000S Model	
	DIC	Dictation trunk data block	
	DIC M	Small System and CS 1000S Model	
	DID	Direct Inward Dial trunk data block. Per FCC regulations, DID trunks used in the U.S. must be properly designated for answer supervision. Refer to FCC Compliance for DID Answer Supervision in *Features and Services* (553-3001-306). For an ISPC link when SDCH = YES, TYPE = DID.	
	DID M	Small System and CS 1000S Model	

Prompt	Response	Comment	Pack/Rel
	FEX	Foreign Exchange trunk data block	
	FEX M	Small System and CS 1000S Model	
	FGDT	Feature Group D Trunk data block	
	IPTI	IP TIE trunk data block	
	ISA	Integrated Services Access trunk data block. Also called Call-By-Call service trunk type. There is no provision against the use of non-QPC237 trunk types for the analog ISA service route. Only TIE and ISA trunks are applicable for directly connecting SL-1 PBX to SL-1 PBX.	
	MCU	Meridian Communications Unit.	
	MDM	Modem/Data Module data block. Data port interfacing with QPC60 500/2500 type card.	
	MDM M	Small System and CS 1000S Model	
	MUS	Music trunk data block	
	MUS M	Small System and CS 1000S Model	
	PAG	Paging trunk data block	
	PAG M	Small System and CS 1000S Model	
	R232	NT7D16 Data Access Card (DAC) port in RS-232 Data mode data block	
	R232 M	Small System and CS 1000S Model	
	R422	NT7D16 Data Access Card (DAC) port in RS-422 Data mode data block	
	R422 M	Small System and CS 1000S Model	
	RAC	Real Analog Channel data block	

Prompt	Response	Comment	Pack/Rel
	RAN	Recorded Announcement trunk data block	
	RAN M	Small System and CS 1000S Model	
	RCD	Recorder trunk data block	
	RDC	Real Digital Channel data block	
	RLM	Release Link Main trunk data block	
	RLM M	Small System and CS 1000S Model	
	RLR	Release Link Remote trunk data block	
	RLR M	Small System and CS 1000S Model	
	TCON	Tandem Connection for MPH and PRI connections	
	TIE	TIE trunk data block For an ISPC link when SDCH = NO, TYPE must be TIE.	
	TIE M	Small System and CS 1000S Model	
	VAC	Virtual Analog Channel data block	
	VDC	Virtual Digital Channel data block	
	VGW	Voice Gateway	
	WAT	Wide Area Telephone Service trunk data block	
	WAT M	Small System and CS 1000S Model	
XDIC	(MUT)	Mute outpulsing for DIC trunks	xpe-15
	NOR	Normal outpulsing for DIC trunks	
XTRK		Extended trunk. Prompted for superloops when defining the first unit. Packages 97 and 294 must be equipped.	tip/xpe-19
	EXUT	Enhanced Extended Universal Trunk	
	ITG1	ITG card (1 cardslot circuit card)	itg- 25
	ITG2	ITG card (2 cardslot circuit card)	itg- 25
	ITG8	ITG 486 8-port card	basic-3.0
	ITGP	ITG-P 24-port card	basic-3.0

Prompt	Response	Comment	Pack/Rel
	MC8	Media Card 8-port	basic-3.0
	MC32	Media Card 32-port	basic-3.0
	XCOT	Extended CO trunk card. Type must be COT or DID. If one or more units are to be used on a PPM route, then unit 0 must be defined as a PPM route member. If not, PPM will not function for any other unit on the card.	
	XDID	Extended DID trunk card	
	XEM	Extended E & M trunk card	
	XFEM	Extended Flexible E & M trunk card	
	XUT	Extended Universal Trunk card	
	VTRK	Virtual trunk for CS 1000S	basic-2
ZONE	0-255	Zone Number which the physical unit of the ITG card belongs. ZONE number is not checked against Overlay 117. If xtrk is ITG1 or ITG2 and if IPTN is YES, the data block is saved and Overlay 14 returns to the REQ prompt after ZONE prompt	basic-25

LD 15: Customer Data Block

This program allows data blocks for customers to be created or modified. When the Overlay is loaded, the available system memory and disk records are output in a header as follows:

CDB000
MEM AVAIL: (U/P): xxxxxx USED: xxxxx TOT: xxxxxxx
DISK RECS AVAIL: xxx

Overlay program 15 is structured to allow changes to be made by entering the desired gate opener mnemonic at the TYPE: prompt. The prompt sequence associated with that gate opener is then prompted in the usual manner. Once the end of the sub prompts has been reached, the Customer Data Block is updated and saved.

Enhanced input processing has also been applied to the REQ: and TYPE: prompts in LD 15. Thus, if the prompt ends with a colon a list of possible responses may be obtained by entering '?' followed by a carriage return. The REQ: and TYPE: prompts also accept abbreviated responses, thus allowing the user to only enter the first three unique characters of the gateway name.

Prompts and responses

Contents

Customer data block

Prompt	Response	Comment
REQ:	CHG	Change existing data block
TYPE:	CDB	Customer Data Block
CUST	xx	Customer number
AML_DATA	(NO) YES	Change Application Module Link options (see page 273)
ANI_DATA	(NO) YES	Change Automatic Number Identification numbers (see page 273)
ATT_DATA	(NO) YES	Change Attendant Console options (see page 275)
AWU_DATA	(NO) YES	Change Automatic Wake Up options (see page 277)
CAS_DATA	(NO) YES	Change Centralized Attendant Service options (see page 278)
CCS_DATA	(NO) YES	Change Controlled Class of Service options (see page 278)
CDR_DATA	(NO) YES	Change CDR and Charge Account options (see page 279)
FCR_DATA	(NO) YES	Change New Flexible Code Restriction options (see page 280)
FFC_DATA	(NO) YES	Change Flexible Feature Code options (see page 281)
FTR_DATA	(NO) YES	Change Features and options (see page 281)
HSP_DATA	(NO) YES	Change Hospitality Management options (see page 286)
ICP_DATA	(NO) YES	Change Intercept Computer update (se page 286)
IMS_DATA	(NO) YES	Change Integrated Message Service options (see page 287)
INT_DATA	(NO) YES	Change Intercept treatment options (see page 288)
LDN_DATA	(NO) YES	Change Listed Directory Numbers (see page 290)
MPO_DATA	(NO) YES	Change Multi-Party Options (see page 292)
NET_DATA	(NO) YES	Change ISDN and ESN Networking options (see page 292)
NIT_DATA	(NO) YES	Change Night Service options (see page 296)
OAS_DATA	(NO) YES	Change Off-Hook Alarm Security options (see page 296)
PPM_DATA	(NO) YES	Change Periodic Pulse Metering options (see page 297)
PWD_DATA	(NO) YES	Change Customer related Passwords (see page 298)
RDR_DATA	(NO) YES	Change Call Redirection (see page 298)
ROA_DATA	(NO) YES	Change Recorded Overflow Announcement (see page 300)
TIM_DATA	(NO) YES	Change Timers (see page 300)
TST_DATA	(NO) YES	Change Test lines (see page 301)

Note: This *Prompts and responses* table does not list prompts which appear under each gate opener. To find prompts which appear under a given gate opener, refer to the page listed in the *Comment* section of this table.

Default Customer Data Block

Prompt	Response	Comment
REQ:	NEW	Request = NEW
TYPE:	DEFAULT	Type = DEFAULT (Default Customer Data Block)
CUST	xx	Customer number
ANI_DATA		Automatic Number Identification prompts are automatically output when adding a new customer
ANAT	x...x	ANI billing number for attendants making ANI calls
ANLD	x...x	ANI Listed DN
PANI	(NO) YES	M911 Pseudo ANI display
CIS_ANI	(NO) YES	ANI option to allow the configuration of ANI entries for CIS ANI message composing.
- S_SIZE	(0)-2000	Maximum number of ANI entries that can be configured for sets.
- - S_ENTRY	1-2000	Entry of ANI table applying to a set
- - DNLG	0-(4)-15	DN Length
- - LEC	0-99..99	Local Exchange Code, 1 to 15 digits.
- - ADDG	0-(8)-99..9	Additional digits, 1 to 15 digits. They will be used to complete ANDN if LEC+ANDN is less than ANSZ digits (defined in OVL 16).
- - ANDN	0-99..99	Used as ANI DN if Calling number not available or DNLG=0. Up to 15 digits may be entered.
- R_SIZE	(1)-512	Maximum number of ANI entries that can be configured for incoming routes.
- R_ENTRY	(0)-aa	ANI entry for an incoming route to be created or modified
- - DNLG	0-(4)-15	DN Length
- - LEC	0-99..99	Local Exchange Code, 1 to 15 digits.

- - ADDG	0-(8)-99..9	Additional digits, 1 to 15 digits. They will be used to complete ANDN if LEC+ANDN is less than ANSZ digits (defined in OVL 16).
- - ANDN	0-99..99	Used as ANI DN if Calling number not available or DNLG=0. Up to 15 digits may be entered.
CACC	(NO) YES	CAC Conversion table option
- MFC_ENT	(0)-31	CAC conversion table to convert MFC CAC into CIS CAC
- - CAC0	0-(3)-9	CIS value corresponding to MFC DGT 0
- - CAC1	0-(3)-9	CIS value corresponding to MFC DGT 1
- - CAC2	0-(3)-9	CIS value corresponding to MFC DGT 2
- - CAC3	0-(3)-9	CIS value corresponding to MFC DGT 3
- - CAC4	0-(3)-9	CIS value corresponding to MFC DGT 4
- - CAC5	0-(3)-9	CIS value corresponding to MFC DGT 5
- - CAC6	0-(3)-9	CIS value corresponding to MFC DGT 6
- - CAC7	0-(3)-9	CIS value corresponding to MFC DGT 7
- - CAC8	0-(3)-9	CIS value corresponding to MFC DGT 8
- - CAC9	0-(3)-9	CIS value corresponding to MFC DGT 9
- - DFLT	0-(3)-9	CIS value used when MFC CAC has not been received, or MFC CAC received is not in the MFC CAC list of this table
- CIS_ENT	(0)-31	CAC conversion table to convert CIS CAC into MFC CAC
- - CAC0	0-(6)-10	MFC value corresponding to CIS 0
- - CAC1	0-(6)-10	MFC value corresponding to CIS 1
- - CAC2	0-(6)-10	MFC value corresponding to CIS 2
- - CAC3	0-(6)-10	MFC value corresponding to CIS 3
- - CAC4	0-(6)-10	MFC value corresponding to CIS 4
- - CAC5	0-(6)-10	MFC value corresponding to CIS 5
- - CAC6	0-(6)-10	MFC value corresponding to CIS 6
- - CAC7	0-(6)-10	MFC value corresponding to CIS 7
- - CAC8	0-(6)-10	MFC value corresponding to CIS 8
- - CAC9	0-(6)-10	MFC value corresponding to CIS 9
- DFLT	0-(6)-10	CIS value used when CIS CAC has not been received, or CIS CAC received is not in the CIS CAC list of this table

Data Block: AML (Application Module Link)

Prompt	Response	Comment
REQ:	CHG	Change existing data block
TYPE:	AML_DATA	Application Module Link
CUST	xx	Customer number
OPT	a..a	Options (OPT responses begin on page 359)
VSID	0-15	Value-Added Server Identifier
GP02	n n n n n n	Group 2 status events 1, 2, 3, 4, 5 or 6 assigned
GP03	n n n n n n	Group 3 status events 1, 2, 3, 4, 5 or 6 assigned
GP04	n n n n n n	Group 4 status events 1, 2, 3, 4, 5 or 6 assigned
GP05	n n n n n n	Group 5 status events 1, 2, 3, 4, 5 or 6 assigned
GP06	n n n n n n	Group 6 status events 1, 2, 3, 4, 5 or 6 assigned
GP07	n n n n n n	Group 7 status events 1, 2, 3, 4, 5 or 6 assigned
GP08	n n n n n n	Group 8 status events 1, 2, 3, 4, 5 or 6 assigned
GP09	n n n n n n	Group 9 status events 1, 2, 3, 4, 5 or 6 assigned
GP10	n n n n n n	Group 10 status events 1, 2, 3, 4, 5 or 6 assigned
GP11	n n n n n n	Group 11 status events 1, 2, 3, 4, 5 or 6 assigned
GP12	n n n n n n	Group 12 status events 1, 2, 3, 4, 5 or 6 assigned
GP13	n n n n n n	Group 13 status events 1, 2, 3, 4, 5 or 6 assigned
GP14	n n n n n n	Group 14 status events 1, 2, 3, 4, 5 or 6 assigned
GP15	n n n n n n	Group 15 status events 1, 2, 3, 4, 5 or 6 assigned

Data Block: ANI (Automatic Number Identification)

Prompt	Response	Comment
REQ:	CHG	Change existing data block
TYPE:	ANI_DATA	Automatic Number Identification
CUST	xx	Customer number
ANAT	x...x	ANI Attendant Billing number

ANLD	x...x	ANI Listed Directory Number
CIS_ANI	(NO) YES	ANI option to allow the configuration of ANI entries for CIS ANI message composing.
- S_SIZE	(0)-2000	Maximum number of ANI entries that can be configured for sets.
- - S_ENTRY	1-2000	Entry of ANI table applying to a set
- - DNLG	0-(4)-15	DN Length
- - LEC	0-99..99	Local Exchange Code, 1 to 15 digits.
- - ADDG	0-(8)-99..9	Additional digits, 1 to 15 digits. They will be used to complete ANDN if LEC+ANDN is less than ANSZ digits (defined in OVL 16).
- - ANDN	0-99..99	Used as ANI DN if Calling number not available or DNLG=0. Up to 15 digits may be entered.
- R_SIZE	(1)-512	Maximum number of ANI entries that can be configured for incoming routes.
- R_ENTRY	(0)-aa	ANI entry for an incoming route to be created or modified
- - DNLG	0-(4)-15	DN Length
- - LEC	0-99..99	Local Exchange Code, 1 to 15 digits.
- - ADDG	0-(8)-99..9	Additional digits, 1 to 15 digits. They will be used to complete ANDN if LEC+ANDN is less than ANSZ digits (defined in OVL 16).
- - ANDN	0-99..99	Used as ANI DN if Calling number not available or DNLG=0. Up to 15 digits may be entered.
CACC	(NO) YES	CAC Conversion table option
- MFC_ENT	(0)-31	CAC conversion table to convert MFC CAC into CIS CAC
- - CAC0	0-(3)-9	CIS value corresponding to MFC DGT 0
- - CAC1	0-(3)-9	CIS value corresponding to MFC DGT 1
- - CAC2	0-(3)-9	CIS value corresponding to MFC DGT 2
- - CAC3	0-(3)-9	CIS value corresponding to MFC DGT 3
- - CAC4	0-(3)-9	CIS value corresponding to MFC DGT 4
- - CAC5	0-(3)-9	CIS value corresponding to MFC DGT 5
- - CAC6	0-(3)-9	CIS value corresponding to MFC DGT 6
- - CAC7	0-(3)-9	CIS value corresponding to MFC DGT 7
- - CAC8	0-(3)-9	CIS value corresponding to MFC DGT 8
- - CAC9	0-(3)-9	CIS value corresponding to MFC DGT 9

- - DFLT	0-(3)-9	CIS value used when MFC CAC has not been received, or MFC CAC received is not in the MFC CAC list of this table
- CIS_ENT	(0)-31	CAC conversion table to convert CIS CAC into MFC CAC
- - CAC0	0-(6)-10	MFC value corresponding to CIS 0
- - CAC1	0-(6)-10	MFC value corresponding to CIS 1
- - CAC2	0-(6)-10	MFC value corresponding to CIS 2
- - CAC3	0-(6)-10	MFC value corresponding to CIS 3
- - CAC4	0-(6)-10	MFC value corresponding to CIS 4
- - CAC5	0-(6)-10	MFC value corresponding to CIS 5
- - CAC6	0-(6)-10	MFC value corresponding to CIS 6
- - CAC7	0-(6)-10	MFC value corresponding to CIS 7
- - CAC8	0-(6)-10	MFC value corresponding to CIS 8
- - CAC9	0-(6)-10	MFC value corresponding to CIS 9
- DFLT	0-(6)-10	CIS value used when CIS CAC has not been received, or CIS CAC received is not in the CIS CAC list of this table

Data Block: ATT (Attendant Consoles)

Prompt	Response	Comment
REQ:	CHG	Change existing data block
TYPE:	ATT_DATA	Attendant Consoles
CUST	xx	Customer number
OPT	a...a	Options (OPT responses begin on page 359)
ATDN	(0)-x...x	Attendant Directory Number
NCOS	(0)-99	Network Class of Service for all attendant consoles for this customer
ATAC	xxxxx	Attendant Administration Access Code
- PWD2	x...x	Second level administration Password
CWUP	(NO) YES	Call Waiting queue Update
CWCL	(0)-255 (0)-255	Call Waiting Call Limit
CWTM	(0)-511 (0)-511	Call Waiting Time
CWBZ	(NO) YES (NO) YES	Call Waiting Buzz

EFLL	(0)-8064	Efficiency Factor Loading Level
MATT	(NO) YES	Consoles used as Message Center
LFTN	l s c u	Lamp Field array Terminal Number (Opt 11 format is cu) (l s c u ranges are defined on page 347)
LFTN	l s c u	Second Lamp Field array Terminal Number (Opt 11 format is cu) (l s c u ranges are defined on page 347)
LFFD	x00...x00	First Directory Number of lamp field array
RTIM	xxx yyy zzz	Recall Timers for Slow-Answer, Camp-On and Call Waiting
ATIM	(0)-126	Attendant Alternative Answering Timer
AQTT	0-(30)-255	Attendant Queue Timing Threshold in seconds
AODN	x...x	Attendant Overflow DN
SPVC	(0)-63	Supervisory Console
- SBLF	(NO) YES	Standard Busy Lamp Field
- ITH1	1-255	Visual Indication Threshold 1
- ITH2	1-255	Visual Indication Threshold 2
- ITH3	1-255	Visual Indication Threshold 3
RTSA	aaaa	Recall To Same Attendant (aaaa = (RSAD), RSAA, or RSAX)
SACP	aaaa	Semi-Automatic Camp-On (aaaa = (NO), ALL, or SNGL)
ABDN	(NO) YES	Activation of the Attendant Blocking of DN feature
IRFR	(NO) YES	Internal Attendant Remote Call Forward Password
- IRFP	x...x	Internal Attendant Remote Call Forward Password
XRFR	(NO) YES	External Attendant Remote Call Forward Password
- XRFP	x...x	External Attendant Remote Call Forward Password
ADHT	(0)-14	Attendant Delay On-Hold Timer in seconds
AFNT	(0)-126	Attendant Forward No Answer Timer (must be an even number)
AFBT	(0)-*AFNT*	Attendant Forward Buzz Tone (Entry can be equal to or less than response to AFNT prompt and must be an even number)
IDBZ	(NO) YES	Trunk Buzzing IADN calls in the attendant queue.
PBUZ	xx yy	Flexible Priority Buzz cadence for IADN and Code Blue calls.
ICI	0-19 aaaa	Attendant Incoming Call Indicators
RICI	xx xx...	ICI key numbers that may receive Recorded Overflow Announcement

Data Block: AWU (Automatic Wake Up Data)

Prompt	Response	Comment
REQ:	CHG	Change existing data block
TYPE:	AWU_DATA	Automatic Wake Up Data
CUST	xx	Customer number
AWU	(NO) YES	Automatic Wake Up
ATRC	(NO) YES	Attendant Recall allowed
RANF	0-511	Music route TYPE must be AWR in LD 16
RAN1	0-511	Primary Ran route TYPE must be AWR in LD 16
RAN2	0-511	Secondary RAN route TYPE must be AWR in LD 16
LA11	0-511	Primary RAN route for Language1
LA12	0-511	Secondary RAN route for Language1
LA21	0-511	Primary RAN route for Language 2
LA22	0-511	Secondary RAN route for Language 2
LA31	0-511	Primary RAN route for Language 3
LA32	0-511	Secondary RAN route for Language 3
LA41	0-511	Primary RAN route for Language 4
LA42	0-511	Secondary RAN route for Language 4
LA51	0-511	Primary RAN route for Language 5
LA52	0-511	Secondary RAN route for Language 5
R2BN	0-23 0-59	RAN2 Begin time; hour, minute
R2ED	0-23 0-59	RAN2 End time; hour, minute
NRWU	2-(5)	Number of Rings for Wake Up before recall to attendant
TAWU	1-(3)	Number of Tries for an unanswered AWU call
- WUD	(NO) YES	Is Wake-up Delimiter required
- - STE	(NO) YES	Is Standard Time Entry allowed?

Data Block: CAS (Centralized Attendant Service Data)

Prompt	Response	Comment
REQ:	CHG	Change existing data block
TYPE:	CAS_DATA	Centralized Attendant Service Data
CUST	xx	Customer number
CAS	(NO) YES	Centralized Attendant Service main
- MAIN	(NO) YES	CAS Main
- - CHDN	x...x	CAS silent Hold DN
- - HRCL	0-512	Hold Recall timer in units of 2 seconds
- - ICI	0-19 aaaa	Attendant Incoming Call Indicators
- DFLT	(NO) YES	Default
- LDNT	(NO) YES	Listed Directory Number Tone
- LADN	x...x	Local Attendant Directory Number
- RLA	0-511	Release Link route number

Data Block: CCS (Controlled Class of Service)

Prompt	Response	Comment
REQ:	CHG	Change existing data block
TYPE:	CCS_DATA	Controlled Class of Service
CUST	xx	Customer number
CCRS	aaa	Controlled Class of Service (CCOS) Restricted Service (aaa = (UNR), CTD, FR1, FR2, FRE, SRE, or TLD)
ECC1	aaa	Enhanced Controlled Class of Service level 1 (aaa = (UNR), CTD, FR1, FR2, FRE, SRE, or TLD)
ECC2	aaa	Enhanced Controlled Class of Service level 2 (aaa = (UNR), CTD, FR1, FR2, FRE, SRE, or TLD)
CNCS	0-99	Network Controlled Class of Service for Electronic Lock
PELK	(NO) YES	Electronic Lock on Private Lines

Data Block: CDR (Call Detail Recording)

Prompt	Response	Comment
REQ:	CHG	Change existing data block
TYPE:	CDR_DATA	Call Detail Recording
CUST	xx	Customer number
CDR	(NO) YES	Change Call Detail Recording data
- IMPH	(NO) YES	CDR for Incoming Packet data call
- OMPH	(NO) YES	CDR for Outgoing Packet data call
- AXID	(NO) YES	Auxiliary Identification output in CDR record
- TRCR	(NO) YES	Carriage Return sent after each CDR message
- CDPR	(NO) YES	Coordinated Dialing Plan Record option
- ECDR	(NO) YES	End-to-End Signaling digits in CDR record
- BDI	(YES) NO	Buffer Data Interface for CDR
- OTCR	(NO) YES	CDR provided, based on Originally dialed Trunk Route
- PORT	0-15	CDR port
- - CNI	a...a	Calling Number Identification (a...a = (DGTS), CLID, or NONE)
- BCAP	(NO) YES	Bearer Capability in CDR
CHLN	(0)-23	Charge account number Length
FCAF	(NO) YES	Forced Charge Account active
- CHMN	(1)-*CHLN*	Minimum number of digits for FCA code (Entry can be equal to or less than response to prompt CHLN)
- FCNC	0-99	FCA Network Class of Service

Data Block: FCR (Flexible Code Restriction)

Prompt	Response	Comment
REQ:	CHG	Change existing data block
TYPE:	FCR_DATA	New Flexible Code Restriction
CUST	xx	Customer number
NFCR	(NO) YES	Enable New Flexible Code Restriction
- MAXT	1-255	Maximum number of NFCR translation tables
- OCB1	(0)-(MAXT-1), 255	NFCR tree number to be used for OCB level. Your entry can be either your response to the MAXT prompt minus one or 255. 255 is a special entry which disallows this level.
- OCB2	(0)-(MAXT-1), 255	NFCR tree number to be used for OCB level 2. Your entry can be either your response to the MAXT prompt minus one or 255. 255 is a special entry which disallows this level.
- OCB3	(0)-(MAXT-1), 255	NFCR tree number to be used for OCB level 3. Your entry can be either your response to the MAXT prompt minus one or 255. 255 is a special entry which disallows this level.
IDCA	(NO) YES	Incoming DID Digit Conversion allowed
- DCMX	1-255	Maximum number of IDC conversion tables

Data Block: FFC (Flexible Feature Codes)

Prompt	Response	Comment
REQ:	CHG	Change existing data block
TYPE:	FFC_DATA	Flexible Feature Code
CUST	xx	Customer number
CCRS	aaa	Controlled Class of Service (CCOS) Restricted Service
SCPL	0-8	Station Control Password Length
SBUP	(YES) NO	Enable use of station control passwords for set based administration user level access
- PWD2	xxxx	PWD2 password for confirmation
FFCS	(NO) YES	Change Flexible Feature Code end-of-dialing indicator
- STRL	1-3	String Length of end-of-dial indicator
- STRG	xxx	String to indicate end-of-dialing (Enterable characters are digits 0-9, *, and #.)
ADLD	(0)-20	Auto Dial Delay in seconds
DFLT_SCPW		
	(NO) YES	Allow or deny Default Station Control Password for IP Phones.

Data Block: FTR (Features and options)

Prompt	Response	Comment
REQ:	CHG	Change existing data block
TYPE:	FTR_DATA	Customer Features and options
CUST	xx	Customer number
OPT	a...a	Options (OPT responses begin on page 359)
DGRP	(0)-2046	Maximum number of Dial Intercom Groups
IRNG	(NO) YES	Intercom Ring
PKND	(1)-4	Number of digits Dialed for Group Pickup
DNDL	(NO) YES	Do Not Disturb Lamp on 500/2500 telephones
SPRE	xxxx	Special Prefix number (1-4 digits)

LINK	(NO) YES	ACD DNIS Link option
- APL	0-15	Auxiliary Processor Link number
PREO	(0) 1	Pretranslation Option
BPSS	(NO) YES	Block Pretranslation on System Speed Call lists.
SRCD	xxxx	Set Relocation Security Code
EEST	(NO) YES	End-to-End Signaling Tone to originating party
- DTMF	(YES) NO	DTMF feedback tone
EESD	(NO) YES	End-to-End Signalling Digit Display
TTBL	(0)-31	Tone Table number
ADCP	xxxx	All-Digital Connection Prefix
MUS	(NO) YES	Music for sets
- MUSR	0-511	Music Route for sets
HCC	aaaa	Held Call Clearing (aaa = (NO), YES, or XFER)
ALDN	x...x	Alarm Directory Number
ALRM	(NO) YES	Malicious Call Trace Alarm for internal or external calls
TIME	0-(15)	Time for the alarm in minutes
INT	NO YES	Internal
RECD	(NO) YES	Recorder
- MCRT	0-511	Malicious Call Trace Recording Route number as defined in LD 16
TMON	(NO) YES	Traffic Monitoring
PORT	0-15	Serial Data Interface Port Monitor
STCB	(NO) YES	Station Camp-On Busy allowed
NSCP	(NO) YES	Network Station Camp-On to sets on this node allowed
TFDR	(NO) YES	Trunk Failure Display Required
RPA	(NO) YES	Radio Paging Allowed
MCDC	(NO) YES	Malicious Call DN/CLID printing allowed
NAUT	(NO) YES	Network Authorization Code
IDEF	(NO) YES	Internal/external definition
MTAR	(NO) YES	Meridian Mail Trunk Access Restriction
LEND	(NO) YES	List Entry Number Delimiter
MSCD	(NO) YES	Mandatory Speed Call Delimiter

CPCI	(NO) YES	Called Party Control on Internal Call (is not) is allowed for the customer
CONF_DSP	(NO) YES	Change Conference Display configurations
- CNFFIELD	(NO) YES	Enable Conference Count Display Field
- -CNF_NAME	(CONF) aaaa	Change Conferees Count Display Field Name
- INTFIELD	(NO) YES	Enable Internal Conferees Count display field
- -INT_NAME	(I) aaaa	Change Internal Conferees Count display field
- EXTFIELD	(NO) YES	Enable Total External Conferees Count display field
- -EXT_NAME	(E) aaaa	Change Total External Conferees Count field name
DAPC	(NO) YES	Dial Access Prefix on CLID table entry option
- TBL	1-15	Table Number
- NPI	aaa	Numbering Plan
- - TON	aaaa	Type of Number
- - - PREF	0-9999	Access Prefix for a unique NPI/TON combination in the table.
BSFE	(NO) YES	Boss Secretary Filtering Enhancement
- ACT_IDLE	aaaa	Lamp status when boss's set has BSFE active and is idle, where aaaa = (WINK), FLSH, LIT or DARK
- ACT_BUSY	aaaa	Lamp status when boss's set has BSFE active and is idle, where aaaa = (FLSH), WINK, LIT or DARK
- DACT_IDLE	aaaa	Lamp status when boss's set doesn't have BSFE active and is idle, where aaaa = (DARK), WINK, LIT or FLASH
- DACT_BUSY	aaaa	Lamp status when boss's set doesn't have BSFE active and is busy, where aaaa = (LIT), WINK, FLASH or DARK
ARDL_ATTEMPT		
	1-(30)-60	Automatic Redial number of attempts
ASPCT	(10)-180	Analog Semi-Permanent Connection re-connection Timer
FXS	YES (NO)	Flexible Services
- FXSDN1	x...x	MADN of MIMS card 1
DFLT_LANG	a...a	Default language for M3900 on Remote Office. Where: a...a = (ENG), FRE, GER, DUT, SPA, ITA, NOR, SWE, DAN, POR, FIN, POL, CZE, HUN, JAP, RUS, LAT, TUR.
STS_MSG	(NO) YES	Modify Set-to-Set Messages

MSG1	a...a	Set-to-Set Message Where: a...a = <CR> keeps current message a...a = <text string> is the new message to be displayed (up to 24 characters)
MSG2	a...a	Set-to-Set Message Where: a...a = <CR> keeps current message a...a = <text string> is the new message to be displayed (up to 24 characters)
MSG3	a...a	Set-to-Set Message Where: a...a = <CR> keeps current message a...a = <text string> is the new message to be displayed (up to 24 characters)
MSG4	a...a	Set-to-Set Message Where: a...a = <CR> keeps current message a...a = <text string> is the new message to be displayed (up to 24 characters)
MSG5	a...a	Set-to-Set Message Where: a...a = <CR> keeps current message a...a = <text string> is the new message to be displayed (up to 24 characters)
MSG6	a...a	Set-to-Set Message Where: a...a = <CR> keeps current message a...a = <text string> is the new message to be displayed (up to 24 characters)

MSG7	a...a	Set-to-Set Message Where: a...a = <CR> keeps current message a...a = <text string> is the new message to be displayed (up to 24 characters)
MSG8	a...a	Set-to-Set Message Where: a...a = <CR> keeps current message a...a = <text string> is the new message to be displayed (up to 24 characters)
MSG9	a...a	Set-to-Set Message Where: a...a = <CR> keeps current message a...a = <text string> is the new message to be displayed (up to 24 characters)
MSG10	a...a	Set-to-Set Message Where: a...a = <CR> keeps current message a...a = <text string> is the new message to be displayed (up to 24 characters)
VO_ALO	(NO) YES	Enable Virtual Office Automatic Logout.
PCA	(OFF) ON	Personal Call Assistant
TPDN	yyyy	Target PCA DN
VO_ALOHR	(0)-23	Virtual Office Automatic Logout time using 24 hour clock.
MLPPSD	xxxxxx	Default MLPP service domain used when no value is entered for the MLPPSD prompt in Overlay 87, Where: • xxxxxx = six hexadecimal characters in the range (000000 to FFFFFF) used to signify a 24 bit binary integer. Default is (000000).
BFS_CFW	(YES) NO	Busy Forward Status Call Forward

Data Block: HSP (Hospitality Management)

Prompt	Response	Comment
REQ:	CHG	Change existing data block
TYPE:	HSP_DATA	Hospitality Management
CUST	xx	Customer number
FRAN	0-511	First RAN number for first PCR threshold
SRAN	0-511	Second RAN number for second PCR threshold
IDR	0-511	Identification Error RAN number
AUTR	0-511	Authcode Error RAN number
RLCR	0-511	Relocation FFC Error RAN number
FRAN	0-511	First RAN number for first PCR threshold
CLS1	aaa	Class of Service 1 (aaa = (UNR), CTD, CUN, FR1, FR2, FRE, SPE, or TLD)
NCS1	(0)-99	Network Class of Service
TGR1	(0)-31	Trunk Group Access Restriction
CLS2	aaa	Class of Service 2 (aaa = (UNR), CTD, CUN, FR1, FR2, FRE, SPE, or TLD)
NCS2	(0)-99	Network Class of Service
TGR2	(0)-31	Trunk Group Access Restriction

Data Block: ICP (Intercept Computer Update)

Prompt	Response	Comment
REQ:	CHG	Change existing data block
TYPE:	ICP_DATA	Intercept Computer
CUST	xx	Customer number
ICP	(NO) YES	Change Intercept Computer
- APL	0-15	Auxiliary Processor Link number used for ICP
- NIPN	0-(99)	Number of Intercept Positions that can be configured

- ICCR	(NO) YES	Intercept Position Canceling Reply is sent if transfer is canceled from Intercept computer
- ICMM	0-9	Message number shown when the transfer is caused by a maintenance program
- ICDN	x...x	Internal Call DN
- ECDN	x...x	External Call DN
- ICWN	(0)-511	Intercept Computer Owner
- ICPS	aaa	ICP Printer Search (aaa = (CIR) or COM)
- ICPR	0-<NIPN>	ICP Printer number
- ICDL	3-(4)-7	CP DN Length
- ICPD	(0)-9	ICP Padding Digit
- ICTD	(NO) YES	Intercept Computer Terminal Dial from directory

Data Block: IMS (Integrated Message Service)

Prompt	Response	Comment
REQ:	CHG	Change existing data block
TYPE:	IMS_DATA	Change Integrated Messaging System features
CUST	xx	Customer number
IMS	(NO) YES	Change Integrated Message System
- SAMM	(NO) YES	Standalone Meridian Mail
- IMA	(NO) YES	Integrated Messaging System enabled
- - APL	0-15	Auxiliary Processor Link number for IMS
- UST	(NO) YES	User Status Update enabled
- - APL	0-15	Auxiliary Processor Link number for UST
- UMG	(NO) YES	User-to-User Messaging enabled
- - APL	0-15	Auxiliary Processor Link number for UMG

Data Block: INT (Intercept Treatments)

Prompt	Response	Comment
REQ:	CHG	Change existing data block
TYPE:	INT_DATA	Change Intercept Treatment
CUST	xx	Customer number
ACCD	(OVF OVF OVF ATN)	Access Denied
- RANR	x...x	Intercept Recorded Announcement Route number
CTVN	(OVF OVF OVF ATN)	Call To Vacant Number
- RANR	x...x	Intercept Recorded Announcement Route number
MBNR	(OVF OVF OVF ATN)	Maintenance Busy Numbers
- RANR	x...x	Intercept Recorded Announcement Route number
CTRC	(OVF NAP OVF NAP)	Restricted Call
- RANR	x...x	Intercept Recorded Announcement Route number
CLDN	(NAP OVF NAP NAP)	Calls to Listed Directory Number
- RANR	x...x	Intercept Recorded Announcement Route number
NINV	(OVF OVF OVF ATN)	Invalid NARS/BARS call
- RANR	x...x	Intercept Recorded Announcement Route number
NITR	(OVF OVF OVF ATN)	NARS/BARS Invalid Translation
- RANR	x...x	Intercept Recorded Announcement Route number
NRES	(OVF OVF OVF ATN)	NARS/BARS Restricted calls
- RANR	x...x	Intercept Recorded Announcement Route number
NBLK	(OVF OVF OVF ATN)	NARS/BARS Blocked calls
- RANR	x...x	Intercept Recorded Announcement Route number
MFVO	(OVF OVF OVF ATN)	MFC Call to Vacant Office
- RANR	x...x	Intercept Recorded Announcement Route number
MFVN	(OVF OVF OVF ATN)	MFC Call to Vacant Number
- RANR	x...x	Intercept Recorded Announcement Route number
MFCG	(OVF OVF OVF ATN)	MFC Congestion
- RANR	x...x	Intercept Recorded Announcement Route number
LCKT	(BSY BSY BSY BSY)	Call to a Lockout set

- RANR	x...x	Intercept Recorded Announcement Route number
UBRI	(OVF NAP NAP NAP)	Universal BRI
- RANR	x...x	Intercept Recorded Announcement Route number
RCLE	(ATN OVF ATN ATN)	Redirection Count Limit Exceeded as defined by TRCL
- RANR	x...x	Intercept Recorded Announcement Route number
CONG	aaa	Congestion tone for all trunks busy condition (aaa = (OVF) or BSY)
DLT	aaa	Direct Inward System Access Lockout treatment (aaa = (OVF), ATN, or OFA)
LLT	aaa	Flexible Line Lockout treatment (aaa = (OVF), ATN, or OFA)
DNDT	aaa	Do Not Disturb intercept Treatment (aaa = (BST), ATT, or RAN)
- RRT	0-511	Intercept Recorded Announcement Route number
PINT	(NO) YES	Change Precedence Intercept treatment
- PHIP	(ATN) RAN CPAS OVF	Precedence dialed is higher than allowed
- RANR	x...x	Intercept Recorded Announcement Route number
PBLK	(ATN) RAN CPAS OVF	Call presented has higher precedence
- RANR	x...x	Intercept Recorded Announcement Route number
PFAN	(ATN) RAN CPAS	Intercept if dialed DN fails to answer (Call Waiting)
- RANR	x...x	Intercept Recorded Announcement Route number
PFNA	(ATN) RAN CPAS	Intercept if dialed DN fails to answer
- RANR	x...x	Intercept Recorded Announcement Route number
PICP	(ATN) RAN CPAS OVF	Intercept treatment if called party cannot be preempted
- RANR	x...x	Intercept Recorded Announcement Route number
CPAS	xxxx	Central Precedence answering station listed DN

Data Block: LDN (Listed Directory Numbers)

Prompt	Response	Comment
REQ:	CHG	Change existing data block
TYPE:	LDN_DATA	Listed Directory Numbers
CUST	xx	Customer number
OPT	a...a	Options (OPT responses begin on page 359)
DLDN	(NO) YES	Departmental Listed Directory Numbers
LDN0	xxxx	Listed Directory Number 0
LDA0	1-63 ALL	Attendant consoles associated with LDN0
LDN1	x...x	Listed DN 1
LDA1	a...a	Attendant consoles associated with LDN1 (a...a = 1-63 or ALL)
LDN2	x...x	Listed DN 2
LDA2	a...a	Attendant consoles associated with LDN2 (a...a = 1-63 or ALL)
LDN3	x...x	Listed DN 3
LDA3	a...a	Attendant consoles associated with LDN3 (a...a = 1-63 or ALL)
LDN4	x...x	Listed DN 4
LDA4	a...a	Attendant consoles associated with LDN4 (a...a = 1-63 or ALL)
LDN5	x...x	Listed DN 5
LDA5	a...a	Attendant console associated with LDN5 (a...a = 1-63 or ALL)
LDBZ	n n n n n n	Listed Directory Number Buzzing assigned groups (n = 0-5)
ICI	0-19 aaaa	Attendant Incoming Indicators

Data Block: MON (Set-based Monitoring)

Prompt	Response	Comment
REQ:	CHG	Change existing data block
TYPE:	MON	Set-based monitoring
USBM	(NO) YES	UIPE Set-based monitoring Where: (NO) = all previously configured TNs are flushed, and subsequent prompts are not prompted. YES = accept and prompt the next prompts. <CR> = previously stored value taken.
TN1		Terminal Number
	l s c u	For Large Systems
	c u	For Small Systems and CS 1000S
		Enter X to delete
TN2		Terminal Number
	l s c u	For Large Systems
	c u	For Small Systems and CS 1000S
		Enter X to delete
TN3		Terminal Number
	l s c u	For Large Systems
	c u	For Small Systems and CS 1000S
		Enter X to delete
TN4		Terminal Number
	l s c u	For Large Systems
	c u	For Small Systems and CS 1000S
		Enter X to delete
TN5		Terminal Number
	l s c u	For Large Systems
	c u	For Small Systems and CS 1000S
		Enter X to delete
TN6		Terminal Number
	l s c u	For Large Systems
	c u	For Small Systems and CS 1000S
		Enter X to delete

Data Block: MPO (Multi-Party Operations)

Prompt	Response	Comment
REQ:	CHG	Change existing data block
TYPE:	MPO_DATA	Multi-Party Operations
CUST	xx	Customer number
FMOP	(NO) YES	Flexible Misoperation Options
- RGNA	xxx yyy	Ringing No Answer treatment
- AOCS	xxx yyy	All Other Cases
- RCY1	1-(6)-15	Number of Cycles of Re-ringing before forwarding or disconnecting
- RCY2	1-(4)-15	Number of Cycles of Ringing before forwarding to transferring station
- RALL	(NO) YES	Mandatory recall is required prior to dialing control digits
- CDTO	2-(14)	Control digit timeout; in multiples of two seconds
IFLS	(NO) YES	Ignore Switchhook Flash signal from 500/2500 sets
MHLD	(NO) YES	Manual Hold after inquiry enabled
PCDS	(NO) YES	Programming of Control Digits required
- CNFD	0-(1)-9, *, #	Control Digit for Conference
- TGLD	0-(2)-9, *, #	Control Digit for Toggle
- DISD	0-(3)-9, *, #	Control Digit for Disconnect
CCDO	(NO) YES	Consultation Connection Disconnect Option alternative treatment
AFCO	(YES) NO	(Automatic)/Manual Forced Camp-On
- ACNS	aaa	Attendant Clearing during Night Service (aaa = (NO), EXT, or ALL)

Data Block: NET (Networking)

Prompt	Response	Comment
REQ:	CHG	Change existing data block
TYPE:	NET_DATA	Networking
CUST	xx	Customer number
OPT	a...a	Options (OPT responses begin on page 359)

AC2	aaaa	Access Code 2 as defined in LD 86 (aaaa = NPA, NXX, INTL, SPN, or LOC)
FNP	(YES) NO	Enable Flexible Numbering Plan for customer
ISDN	(NO) YES	Integrated Services Digital Network
VPNI	1 - 16283	Virtual Private Network Identifier
- PNI	(0)-16283	Private Network Identifier
- CLID	(NO) YES	(Do not allow) Allow Calling Line Identification option
- - SIZE	0-(256)-4000	CLID entry size
- - INTL	0-9999	Country code (1-4 digits)
- - ENTRY	xx	CLID entry to be configured
- - - HNTN	0-999999	National code for home national number (1-6 digits)
- - - HLCL	0-99 ... 99	Local code for home local number or Listed DN (1-12 digits)
- - - DIDN	a...a	Use DN as DID (a...a = YES, NO or SRCH)
- - - HLOC	0-x...x	Home location code (ESN) (1-7 digits)
- - - LSC	0-x...x	Local steering code (1-7 digits)
- ESA_APDN	(YES) NO	Append the originating Directory Number after the Home Local Number for Emergency Services Access calls
- ESA_HLCL	x..x	Home Local Number for Emergency Services Access calls
- ESA_INHN	(NO) YES	Home National Number in front of Home Local Number for Emergency Services Access calls
- CLASS_FMT	aaa	Send information to a CLASS set as the calling number
- PINX_DN	xx....x	Node DN
- MBG	(0)-65535	Multi-location Business Group
- BSGC	0-(65535)	Business Sub Group Consult-only
- PFX1	xxxx	Prefix 1
- PFX2	xxxx	Prefix 2
- HNPA	200-999	Home Number Plan Area code defined in LD 90
- HNXX	100-9999	Prefix for Central Office defined in LD 90
- CNTP	aaa	Calling Number Type (aaa = (PDN) or LDN)
- RCNT	0-(5)	Redirection Count for ISDN calls
- PSTN	(NO) YES	Public Service Telephone Networks
- - TNDM	0-(15)-31	Tandem Threshold/Loop Avoidance Limit value permitted in a network connection

- - PCMC	0-(15)-31	Pulse Code Modulation Conversions permitted, µ-Law to A-Law or A-Law to µ-Law, in a network connection
- SATD	0-(1)-5	Satellite Delays
OCLI	aaa	CLID information for incoming/outgoing calls
TIDM	(NO) YES	Trunk Identity Meaningful
DASC	xxxx	Display Access Code
ROPT	aaa	Route Optimization (aaa = (NRO), RAX, ROA, or ROX)
DITI	(NO) YES	DID to TIE connections allowed
TRNX	(NO) YES	(Prevent) Allow transfer on ringing of supervised external trunks across the network
EXTT	(NO) YES	(Prevent) Allow unconditional external Trunk to Trunk transfer. Enter YES to indicate that a caller can transfer a call made to one outgoing trunk to another outgoing trunk without restrictions based on supervision. Trunk to trunk connection features such as TGAR/TARG and Trunk Barring still apply as appropriate. Enter NO to indicate that the transfer is allowed only if conditions regarding supervision are met. This prompt only applies to situations involving two calls originated by the same caller.
FTOP	(FRES) TBFT FTTB FTLY	Flexible Trunk to Trunk Connection Option
APAD	x y	Alternative Pad
DMWM	(NO) YES	Enable the output of DPNSSI Message Waiting Indication error messages
MWNS	(NO) YES	Message Waiting Indication Non Specified Information string to recognize.
- REQ	aaa	Message Waiting Indication Non Specified Information table
- MFID	a	Manufacturer Identifier
- - NOTI	(NO) YES	Non Specified Information string for Message Waiting Notification
- - MSSC	a	a = any alphanumeric character
- - PRMT	aaa	Subsequent Non Specified Information string for Message Waiting notification
- - CANC	YES NO	Non Specified Information string for Message Waiting Cancellation
VNR	(NO) YES	Vacant Number Routing

- RLI	0-999	Route List Index as defined in LD 86
- FLEN	1-(16)	Flexible length of digits expected
- CDPL	1-(10)	Flexible length of VNR CDP
- UDPL	1-(19)	Flexible length of Vacant Number Routing (VNR) Uniform Dialing Plan digits (UDP). Enter the maximum number of UDP digits expected by VNR.
NIT	2-(8)	Network Alternate Route Selection (NARS) Interdigit Timer
NAS_ATCL	(YES) NO	Network Attendant Service Attendant Control allowed
NAS_ACTV	(YES) NO	Network Attendant Service routing Activated
FOPT	0-(14)-30	Flexible Orbiting Prevention Timer
ARDL_ACCEPT		
	0-(20)-60	Automatic Redial Acceptance Timer in seconds
ARDL_RETRY	10-(30)-60	Automatic Redial Retry Timer in seconds
CNDN	0-x...x	Customer Calling Number Identification DN on outgoing MFC calls
- CNIP	(YES) NO	Calling Number Identification Presentation
CNAT	0-x...x	CNI Attendant DN on outgoing MFC calls
HMDN	xxxx	Home DN
CNTC	x	Country Code
NATC	x	National Access Code
INTC	xxx	International Access Code

Data Block: NIT (Night Service)

Prompt	Response	Comment
REQ:	CHG	Change existing data block
TYPE:	NIT_DATA	Night Service
CUST	xx	Customer number
NIT1	x...x	First Night Service DN by Time of Day
TIM1	hh mm	Hour and Minute for First Night Service DN
NIT2	x...x	Second Night Service DN by Time of Day
TIM2	hh mm	Hour and Minute for Second Night Service DN
NIT3	x...x	Third Night Service DN by Time of Day
TIM3	hh mm	Hour and Minute for Third Night Service DN
NIT4	x...x	Fourth Night Service DN by Time of Day
TIM4	hh mm	Hour and Minute for Fourth Night Service DN
RPNS	(NO) YES	Recall With Priority During Night Service
ENS	(NO) YES	Enhanced Night Service enabled
- NWT	(NO) YES	Night Call Waiting Tone enabled
- NNT	0-253	Night Number Table
- NSO	(NO) YES	Enhanced Night Service enabled

Data Block: OAS (Off Hook Alarm Security)

Prompt	Response	Comment
REQ:	CHG	Change existing data block
TYPE:	OAS_DATA	Change Off-Hook Alarm Security options
CUST	xx	Customer number
ODN0	xxxx	OHAS Security DN for zone 0
ODN1	xxxx	OHAS Security DN for zone 1
ODN2	xxxx	OHAS Security DN for zone 2
ODN3	xxxx	OHAS Security DN for zone 3

ODN4	xxxx	OHAS Security DN for zone 4
ODN5	xxxx	OHAS Security DN for zone 5
ODN6	xxxx	OHAS Security DN for zone 6
ODN7	xxxx	OHAS Security DN for zone 7
ODN8	xxxx	OHAS Security DN for zone 8
ODN9	xxxx	OHAS Security DN for zone 9
ASTM	1-(30)-63	OHAS off-hook or interdigit timeout timer in seconds
HDOPT	(0)-10 CONT	OHAS Half Disconnect Treatment Options
HDTM	1-(30)-600	OHAS Half Disconnect Timer in seconds

Data Block: PPM (Periodic Pulse Metering)

Prompt	Response	Comment
REQ:	CHG	Change existing data block
TYPE:	PPM_DATA	Periodic Pulse Metering
CUST	xx	Customer number
HMTL	(YES) NO	Hotel/Motel environment
PCDL	(NO) YES	PPM output on CDR Link
UCST	(0)-9999	Unit Cost for Periodic Pulse Metering
ATCH	(NO) YES	Attendant display of call Charge
SCDL	(0)-3	Schedule for printing Message Registration and PPM data
- WKDY	1-7	Week Day for weekly printout; 1 = Sunday
- DAY	0-28	Day of month for printout; 0 = last day of month
- HOUR	hh	Hour of day for printout
	hh hh	Two printouts per day allowed when SCDL = 1
- MCLR	(NO) YES	Meter Clear after printing
- PTTY	(0)-15	PPM TTY number for printing meters (one per switch)

Data Block: PWD (Password)

Prompt	Response	Comment
REQ:	CHG	Change existing data block
TYPE:	PWD_DATA	Password
CUST	xx	Customer number
SPWD	xxxx	Secure data password for LD 88 authcodes and LD 24 DISA
- PWD2	xxxx	Second level administration Password
ATAC	xxxx	Attendant Administration Access code
- PWD2	xxxx	Second level administration Password

Data Block: RDR (Call Redirection)

Prompt	Response	Comment
REQ:	CHG	Change existing data block
TYPE:	RDR_DATA	Call Redirection
CUST	xx	Customer number
OPT	a...a	Options (OPT responses begin on page 359)
FNAD	aaa	Call Forward No Answer treatment for DID calls (aaa = (HNT), ATT, NO, or FDN)
FNAT	aaa	Call Forward No Answer treatment for external Trunk non-DID calls (aaa = (HNT), ATT, NO, or FDN)
FNAL	aaa	Call Forward No Answer treatment for All other calls including trunk calls marked as internal (aaa = (HNT), ATT, NO, or FDN)
CFTA	(NO) YES	Call Forward to Trunk Access code allowed
CCFWDN	x...x	Customer Call Forward DN (maximum: 23 digits)
CFNA	1-(4)-15	Number of normal ringing cycles for Call Forward No Answer (CFNA)
CFN0	1-(4)-15	Number of normal ringing cycles for CFNA, Option 0
CFN1	1-(4)-15	Number of normal ringing cycles for CFNA, Option 1
CFN2	1-(4)-15	Number of normal ringing cycles for CFNA, Option 2

CRTOD	(NO) YES	Change Call Redirection by Time Of Day alternate time options
- CRT0	SH SM EH EM	Alternate time option 0, denotes time when Alternate Redirection DN will be used. (SH SM = Start time, EH EM = End time)
- CRT1	SH SM EH EM	Alternate time option 1 (SH SM = Start time; EH EM = End time)
- CRT2	SH SM EH EM	Alternate time option 2 (SH SM = Start time; EH EM = End time)
- CRT3	SH SM EH EM	Alternate time option 3 (SH SM = Start time; EH EM = End time)
CRDAY	(NO) YES	Call Redirection by Day
- DAY0	n n n n n n n	Days for day option 0 for which alternate treatment is given
- DAY1	n n n n n n n	Days for day option 1 for which alternate treatment is given
- DAY2	n n n n n n n	Days for day option 2 for which alternate treatment is given
- DAY3	n n n n n n n	Days for day option 3 for which alternate treatment is given
CRHOL	aaa	Redirection Holiday(s)
- DATE	dd mm yyyy	Date of the holiday
- - HOL_OPT	0-3	Holiday redirection option for which the date applies
NMDR	(0)-4	Number of normal ring cycles for DNDR
DFN0	1-(4)-15	Number of distinctive ringing cycles for CFNA, Option 0
DFN1	1-(4)-15	Number of distinctive ringing cycles for CFNA, Option 1
DFN2	1-(4)-15	Number of distinctive ringing cycles for CFNA, Option 2
DMDR	(0)-14	Number of distinctive ringing cycles for DNDR
DNDH	(NO) YES	Do Not Disturb Hunting allowed
MDID	(NO) YES	No Answer DID calls routed to Message Center
NDID	(NO) YES	No Answer non-DID calls routed to Message Center
MWFB	(NO) YES	DID calls to busy telephones routed to Message Center
TRCL	(0)-7	Total Redirection Count Limit
DFNR	(0)-15	DID Forward No Answer Ring cycles
FCWD	(0)-126	Number of seconds a DID call should wait on a set before being forwarded to the attendant

Data Block: ROA (Recorded Overflow Announcement)

Prompt	Response	Comment
REQ:	CHG	Change existing data block
TYPE:	ROA_DATA	Recorded Overflow Announcement
CUST	xx	Customer number
OPT	a...a	Options (OPT responses begin on page 359)
FRRT	0-511	First RAN route
- FRT	0-(20)-2044	Time delay in seconds for the first RAN route
SRRT	0-511	Second RAN route number for ROA
- SRT	2-(40)-2044	Time delay in seconds for the second RAN route
WAIT	aaa	Treatment during Waiting time for ROA (aaa = (RGB), MUS, or SIL)
- MURT	0-511	Music Route
RICI	0-19	ICI key numbers that may receive ROA

Data Block: TIM (Timers)

Prompt	Response	Comment
REQ:	CHG	Change existing data block
TYPE:	TIM_DATA	Timers
CUST	xx	Customer number
FLSH	20-(45)-768	Switchhook Flash timing
SDFL	384-(1024)-2048	Signal Destination Flash timing
PHDT	1-(30)-63	Permanent Hold Timer
DIND	2-(30)-60	Dial tone and Interdigit timeout for non-DTMF sets
DIDT	2-(14)-60	Dial tone and Interdigit timeout for DTMF sets
LDTT	2-(6)-30	Line disconnect tone timer for 500/2500 telephones in seconds
DLAT	(0)-120	Delayed Answer Timer
BOTO	2-(14)-60	Busy tone/Overflow tone Timeout

DBRC	2-(60)-120	Duration Between Reminder Cadences for Audible Reminder of Held Call
RTIM	xxx yyy zzz	Recall Timers for Slow Answer, Camp-On and Call Waiting
ATIM	(0)-126	Attendant Alternative Answering Timer
AQTT	0-(30)-255	Attendant Queue Timing Threshold in seconds
ADLD	(0)-20	Auto Dial Delay in seconds
AFNT	(0)-126	Attendant Forward No Answer Timer (must be an even number)
AFBT	(0)-*AFNT*	Attendant Forward Buzz Tone (Your entry can be equal to or less than your response to the AFNT prompt and must be an even number)
NFNA	(0)-63	Night Forward No Answer or ring cycles
NFNS	(0)-504	Night Forward No Answer in seconds
ADHT	(0)-14	Attendant Delay on Hold Timer in seconds
HWTT	0-(300)-600	Length of Howler Tone in seconds
NIT	2-(8)	Network Alternate Route Selection Interdigit Timer
FOPT	0-(14)-30	Flexible Orbiting Prevention Timer
PRNG	0 - (40) - 60	Precedence ringback timer in seconds.
PRMT	0 - (60)-120	Duration of preemption tone before set goes to line lock out.

Data Block: TST (Test lines)

Prompt	Response	Comment
REQ:	CHG	Change existing data block
TYPE:	TST_DATA	Test lines for transmission testing
CUST	xx	Customer number
T100	xxxx	DN for Type-100 test line
REF0	xxxx	DN for Reference trunk 0
TST0	xxxx	DN for Test trunk 0
REF1	xxxx	DN for Reference trunk1
TST1	xxxx	DN for Test trunk 1
REF2	xxxx	DN for Reference trunk 2
TST2	xxxx	DN for Test trunk 2
REF3	xxxx	DN for Reference trunk 3
TST3	xxxx	DN for Test trunk 3

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
ABDN	(NO) YES	Activation of the Attendant Blocking of DN Prompted with Semi-Automatic Camp-On (SACP) package 181.	abdn-20
AC2		Access Code 2	pri-15
	NPA	E.164 National	
	NXX	E.164 Subscriber	
	INTL	International	
	SPN	Special Number	
	LOC	Location Code	
		For DPNSS1, only SPN and LOC values apply. Enter call types that use Access Code 2 (AC2) Multiple responses are permitted. If a numbering plan is not entered here, it is automatically defaulted to Access Code1 (AC1). This prompt applies to both ISDN and non-ISDN calls if you have Network Message Services (NMS) package175.	
ACCD	(OVF OVF OVF ATN)	Access Denied	basic-1
ACNS		Attendant Clearing during Night Service	mpo-20
	(NO)	No automatic treatment	
	EXT	External calls only	
	ALL	All calls This prompt appears when the Multi-Party Operations (MPO) package is equipped, MPOP = YES and FMOP = YES.	

Prompt	Response	Comment	Pack/Rel
ACT_BUSY	(FLSH) WINK LIT DARK	LCD Lamp flash rate is 30 impulses per minute. LCD Lamp flash rate is 60 impulses per minute. LCD Lamp is on. LCD Lamp is off.	bfs-24
ACT_IDLE	(WINK) FLSH LIT DARK	LCD Lamp flash rate is 60 impulses per minute. LCD Lamp flash rate is 30 impulses per minute. LCD Lamp is on. LCD Lamp is off.	bfs-24
ADDG	0-(8)-99..99	Additional digits, 1 to 15 digits. They will be used to complete ANDN if LEC+ANDN is less than ANSZ digits (defined in OVL 16).	
ANDN	0-99..99	Used as ANI DN if Calling number not available or DNLG=0. Up to 15 digits may be entered.	
	X	remove ANDN	
ADHT	(0)-14	Attendant Delay on Hold Timer Prompted with International Supplementary Features (SUPP) package 131.	supp-9
ADLD	(0)-120	Auto Dial Delay Time in two-second interval. Prompted with the Flexible Feature Codes (FFC) package 139. 0 = Auto Dial does not take place.	ffc-20
AFBT	(0)-2-AFNT	Attendant Forward Buzz Tone The number of seconds in 2 second intervals that the attendant is buzzed at full volume. Odd entries are rounded down to the next valid entry. If entry is 0, the original volume is in effect.	afna-14
AFCO	(YES) NO	(Automatic)/Manual Forced Camp-On Prompted with Priority Override (POVR) package 186.	povr-20

Prompt	Response	Comment	Pack/Rel
AFNT	(0)-2-126	Attendant Forward No Answer Timer The number of seconds in 2 second intervals that the call is presented to the attendant before Attendant Forward No Answer (AFNA) is attempted. Odd entries are rounded down to the next valid entry. If entry is 0, the call is not forwarded. Prompted with Attendant Forward No Answer (AFNA) package 134.	afna-14
ALDN	x...x	Alarm Directory Number Must be a Single-Appearance 500-set DN. Precede with X to remove.	emct-20
ALRM	(NO) YES	Malicious Call Trace Alarm for internal or external calls ALRM has to set to YES if the alarm is to be rung for any call (external or internal) when MCT is activated.	emct-20
AML_DATA	(NO) YES	Change Application Module Link options	basic-21
ANAT	x...x	ANI Attendant Billing Number Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. In either case, together with ANLD (ANI listed DN), the total number of digits must be seven. Prompted with Automatic Number Identification (ANI) package 12.	ani-1
ANI_DATA	(NO) YES	Change Automatic Number Identification options	basic-21
ANLD	xxxxx	Automatic Number Identification (ANI) Listed Directory Number May be 0-5 digits, depending on the length of ANAT. The combined number of digits for ANAT and ANLD must be 7. Prompted with Automatic Number Identification (ANI) package 12.	ani-1

Prompt	Response	Comment	Pack/Rel
	X	Enter the letter X to clear the field	
AOCS	xxx yyy	All Other Cases Where: xxx is for internal calls and yyy or ATN is for external calls Valid entries for xxx and yyy are: • AAR - forward to attendant or Night Service after re-ringing for RCY1 cycles • ATN - forward to attendant or Night Service (ATN is the default for yyy or external calls) • DAR - disconnect after re-ringing for RCY1 cycles • DIS - disconnect default for xxx or internal calls • OVF - provide overflow tone • STD - standard operation.	mpo-20
AODN	x...x	Attendant Overflow DN Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Precede with X to remove an entry. Prompted with Attendant Overflow Position (AOP) package 56.	aop-1

Prompt	Response	Comment	Pack/Rel
APAD	x y	Alternative Pad. Where: x = trunk pad selection and y = conference pad selection Valid inputs for x are: • (0) = default North America • 1 = Australia • 2 = New Zealand • 3 = Italy • 4 = China EPE or EPE/IPE systems • 5 = China pure IPE system • 6-7 = future usage currently set to default Valid inputs for y are: • (0) = default North America • 1 = Alternative Conference pads selected The default = 0 when REQ = NEW. The default is the existing value when REQ = CHG.Alternative Conference pads are only provided on specific Conference cards.	
APL	0 - 15	Auxiliary Processor Link number	apl-10
AQTT	0-(30)-255	Attendant Queue Timing Threshold in seconds	basic-1
ARDL_ACCEPT			ardl-22
	0-(20)-60	Automatic Redial Acceptance Timer in seconds. An odd-numbered entry is rounded up to the next even number, and the following message is printed: “ARDL_ACCEPT ROUNDED TO XX.” (where: xx = the even number). This is the maximum allotted time for the originator response on a successful automatic redial call. Prompted if Automatic Redial (ARDL) package 304 is equipped.	

Prompt	Response	Comment	Pack/Rel
ARDL_ATTEMPT			ardl-22
	1-(30)-60	Automatic Redial number of attempts Any single ARDL call is automatically redialed up to the number of retries entered at this prompt. Prompted if Automatic Redial (ARDL) package 304 is equipped.	
ARDL_RETRY			ardl-22
	10-(30)-60	Automatic Redial Retry Timer in seconds. An odd-numbered entry is rounded up to the next even number, and the following message is printed: "ARDL_ACCEPT ROUNDED TO XX." (where: xx = the even number). This timer controls successive automatic redial retry dialing. Prompted if Automatic Redial (ARDL) package 304 is equipped.	
ASPCT		Analog Semi-Permanent Connections re-connection Timer	basic-24
	10	minimum value in seconds	
	180	maximum value in seconds	
ASTM	1-(30)-63	OHAS Off-Hook or interdigit timeout timer This timer is applied to telephones with Alarm Security Allowed (ASA) Class of Service. When the timer expires, the telephone is intercepted to the OHAS DN. ASTM applies to all OHAS DNs. If the telephone has Alarm Security Denied (ASD) Class of Service, the normal dial tone and interdigit timers are used. See LD 15 prompts DIND and DIDT.	basic-18
ATAC	xxxx	Attendant Administration Access Code The entered code is not actually accepted until the correct password is entered in the next prompt. Prompted with Attendant Administration (AA) package 54.	aa-1
ATCH	(NO) YES	Attendant display of call Charge	supp-15

Prompt	Response	Comment	Pack/Rel
ATDN	(0)-x...x	Attendant Directory Number Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Calls timed for recall by the DPNSS1 redirection feature are redirected to this number when the timer expires.	basic-1
ATIM	(0)-126	Attendant Alternative Answering Timer This timer is in increments of two seconds, odd numbers are rounded down to the next valid input. Use ATIM = 0 to disable AAA. Prompted with Attendant Alternative Answering (AAA) package 174.	aaa-15
ATRC	(NO) YES	Attendant Recall allowed A YES response enables Attendant Recall for unanswered Automatic Wake Up (AWU) call attempts. The number of Wake Up tries is defined at the TAWU prompt. The number of rings for a Wake Up call is defined at the NRWU prompt.	awu-10
ATT_DATA	(NO) YES	Change Attendant Console options	basic-21
AUTR	0-511 X	Authcode Error RAN number To disable the RAN	disa-16
AWU	(NO) YES X	Enable Automatic Wake-Up All AWU related data is removed from CDB. Prompted with Automatic Wake-Up (AWU) package 102.	awu-10
AWU_DATA	(NO) YES	Change Automatic Wake Up options	basic-21
AXID	(NO) YES	Auxiliary Identification output in CDR record Auxiliary Identification provides the TN when the call involves a multiple appearance DN.	cdr-1
BCAP	(NO) YES	Bearer Capability in CDR	cdr-24

Prompt	Response	Comment	Pack/Rel
BDI	(YES) NO	Buffer Data Interface for CDR	dba-24
BFS_CFW	(YES) NO	Busy Forward Status Call Forward. Where: • (YES) = the Call Forward on the boss telephone can be enabled from the secretary telephone by pressing the BFS key on the secretary telephone. • NO = the BFS key on the secretary telephone is disabled.	bfs-24
BOTO	2-(14)-60	Busy tone/Overflow tone Timeout Odd entries are rounded down to a valid multiple of two seconds.	basic-10
BPSS	(NO) YES	Block Pretranslation on System Speed Call lists when dial accessed.	pxlt- 23 ssc- 23
BSFE	(NO) YES	Boss Secretary Filtering Enhancement	ffcsf-24
BSGC	0-(65535)	Business Sub Group Consult-only. Where: • 0 = no indication • 1 - 65535 = Subgroup identifier This value is sent as the Multi-location Business Group Subgroup (MBGS) identifier or tenant number when an existing call has more than two different MBGSs. In this case a consultation connection will be allowed, but completion of a call modification, conference or transfer, will be disallowed. If BSGC = 0 then Call Transfer and Call Modifications may be restricted under certain circumstances. Ensure BSGC is not 0 if Call Transfer and Call Modifications to be allowed.	tens-16

Prompt	Response	Comment	Pack/Rel
CAC0	0-(6)-10	MFC value corresponding to CIS 0. Reserved.	cist-24
	0-(3)-9	CIS value corresponding to MFC DGT 0.	
CAC1	0-(6)-10	MFC value corresponding to CIS 1. Residential or business subset with the access to automatic regional, toll and international network".	cist-24
	0-(3)-9	CIS value corresponding to MFC DGT 1.	
CAC2	0-(6)-10	MFC value corresponding to CIS 2. Hotel subset with the access to automatic regional, toll international network.	cist-24
	0-(3)-9	CIS value corresponding to MFC DGT 2.	
CAC3	0-(6)-10	MFC value corresponding to CIS 3. Residential, business or Hotel subset with the access to local network only.	cist-24
	0-(3)-9	CIS value corresponding to MFC DGT 3.	
CAC4	0-(6)-10	MFC value corresponding to CIS 4. Business subset with the access to regional, toll, international network and to special service numbers; preferential access to regional and toll network.	cist-24
	0-(3)-9	CIS value corresponding to MFC DGT 4.	
CAC5	0-(6)-10	MFC value corresponding to CIS 5. Business subset of telecommunication administration with the access to automatic regional, toll, international network and to special service numbers free of charge.	cist-24
	0-(3)-9	CIS value corresponding to MFC DGT 5.	

Prompt	Response	Comment	Pack/Rel
CAC6	0-(6)-10	MFC value corresponding to CIS 6. Toll Coin box and public call paystation with the access to automatic regional and toll network also the general purpose coin box with the access to local and toll network (paying in cash) and the coin box with access to special services only.	cist-24
	0-(3)-9	CIS value corresponding to MFC DGT 6.	
CAC7	0-(6)-10	MFC value corresponding to CIS 7. Business or residential subset with automatic access to regional, toll and international network plus to chargeable service numbers.	cist-24
	0-(3)-9	CIS value corresponding to MFC DGT 7.	
CAC8	0-(6)-10	MFC value corresponding to CIS 8. Business subset for data, facsimile and electronic mail with automatic access to regional, toll and international network.	cist-24
	0-(3)-9	CIS value corresponding to MFC DGT 8.	
CAC9	0-(6)-10	MFC value corresponding to CIS 9. Local call coin box.	cist-24
	0-(3)-9	CIS value corresponding to MFC DGT 9.	
CACC	(NO) YES	CAC Conversion table option	
CANC	YES NO	Non Specified Information string for Message Waiting Cancellation.	dmwi- 23
CAS	(NO) YES	Centralized Attendant Service Prompted with Centralized Attendant Services (Main) (CASM) package 26 or Centralized Attendant Services (Remote) (CASR) package 27.	casm-1

Prompt	Response	Comment	Pack/Rel
CAS_DATA	(NO) YES	Change Centralized Attendant Service options	basic-21
CCDO	(NO)	Consultation Connection Disconnect Option alternative treatment is not required	mpo-20
	YES	Consultation Connection Disconnect Option alternative treatment is required	
CCFWDN	x...x	Customer Call Forward DN. Maximum of 23 digits allowed (0-23) CCFWDN allows subscribers to forward their phones to a central answering service by dialing a FFC. CCFWDN activates the regular Call Forward All Calls function, but without having to specify the DN to which calls will be forwarded. Customer Call Forward is only applicable to 500-type sets.	basic-21
CCRS		Controlled Class of Service (CCOS) Restricted Service. This applies when CCRS is active. If CCRS is inactive, the set defaults to the TN class of service access restriction. Allowed access restrictions are:	ccos-7
	(UNR)	Unrestricted	
	CTD	Conditionally Toll Denied	
	CUN	Conditional Unrestricted	
	FR1	Fully Restricted class 1	
	FR2	Fully Restricted class 2	
	FRE	Fully Restricted	
	SRE	Semi-Restricted	
	TLD	Toll Denied	
		Prompted with Controlled Class of Service (CCOS) package 81.	
CCS_DATA	(NO) YES	Change Controlled Class of Service options	basic-21
CDPL	1-(10)	Flexible length of Vacant Number Routing (VNR) Coordinated Dialing Plan (CDP)	cdp-10

Prompt	Response	Comment	Pack/Rel
CDPR		Coordinated Dialing Plan Record option. CDPR appears with Coordinated Dialing Plan (CDP) package 59. Applies only to trunk routes with OPD = NO.	cdp-10
	(NO)	Replace the Distant Steering Code (DSC) or Trunk Steering Code (TSC) with the Access Code (ACOD). The format is: ACOD + concluding digits	
	YES	Insert ACOD ahead of DSC or TSC. The format is : ACOD + DSC or TSC + concluding digits	
CDR	(NO) YES	Change Call Detail Recording record Prompted with Call Detail Recording (CDR) package 4.	cdr-1
CDR_DATA	(NO) YES	Change CDR and Charge Account options	basic-21
CDTO	2-(14)	Control digit timeout in multiples of 2 seconds.	mpo-20
CFNA	1-(4)-15	Number of normal ringing cycles for Call Forward No Answer If the Flexible Tones and Cadences (FTC) package 125 is equipped, this interval is tied to the number of cycles of NCAD ringing. Refer to 553-2711-180 Flexible Tone and Digit Switches.	basic-1
CFN0	1-(4)-15	Number of normal ringing cycles for CFNA, Option 0 CFNA has three ringing cycle options. This assigns the normal ringing cycles for Option 0. Refer to *Features and Services* (553-3001-306) for details concerning this feature.	uscr-19
CFN1	1-(4)-15	Number of normal ringing cycles for CFNA	uscr-19
CFN2	1-(4)-15	Number of normal ringing cycles for CFNA	uscr-19
CFTA	(NO)	Call Forward to Trunk Access code not allowed	optf-12

Prompt	Response	Comment	Pack/Rel
	YES	Call Forward to Trunk Access code allowed	
CHDN	x...x	CAS silent Hold DN Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150.	casm-1
CHLN	(0)-23	Charge Account Number Length Prompted with Charge Account (CHG) package 23	fca-1
CHMN	(1)-CHLN	Minimum number of digits for FCA code The range is from 1 to CHLN, where CHLN = Charge account Number Length.	fca-1
CIS_ANI	(NO) YES	ANI option to allow the configuration of ANI entries for CIS ANI message.	cist-24
CIS_ENT		CAC conversion table to convert CIS CAC into MFC CAC	cist-24
	(0)-31 Xaa Xaa Xbb	CAC conversion table entry to be created or modified CAC conversion table entry to be deleted CAC conversion table entries between aa and bb to be deleted. For REQ=NEW, only default table 0 is configurable. An ENTRY can be deleted even if still configured on an incoming route. For all subprompts, if 0 is configured, the value configured for non-tie trunks in the outgoing R2MFC table (LD 94) is used.	

Prompt	Response	Comment	Pack/Rel
CLASS_FMT			cnumb- 23
	(DN)	Send internal Directory Number to a CLASS set as the calling number.	
	LCL	Send Local Number to a CLASS set as the calling number.	
	NTN	Send National Number to a CLASS set as the calling number.	
CLDN	(NAP OVF NAP NAP)	Calls to LDN	basic 1
CLID	(NO)	Do not allow Calling Line Identification option	isdn-22
	YES	Allow Calling Line Identification option Calling Line Identification does not require ISDN.	
CLS1		Class of Service	basic-1
	(UNR)	Unrestricted	
	CTD	Conditionally Toll Denied	
	CUN	Conditional Unrestricted	
	FR1	Fully Restricted class 1	
	FR2	Fully Restricted class 2	
	FRE	Fully Restricted	
	SRE	Semi-Restricted	
	TLD	Toll Denied	
CLS2		Class of Service	supp-16
	(UNR)	Unrestricted	
	CTD	Conditionally Toll Denied	
	CUN	Conditional Unrestricted	
	FR1	Fully Restricted class 1	
	FR2	Fully Restricted class 2	
	FRE	Fully Restricted	
	SRE	Semi-Restricted	
	TLD	Toll Denied	

Prompt	Response	Comment	Pack/Rel
CNAT	0-9999	CNI Attendant DN on outgoing Multifrequency Compelled Signaling (MFC) calls.	mfc-9
	X	To remove Prompted with Multifrequency Compelled Signaling (MFC) package 128	
CNCS	0-99	Controlled NCOS CNCS allows the user to select a controlled NCOS to be used when the set is locked. When a set is locked, the NCOS defined at this prompt is used as the set NCOS when a trunk call is made. Precede entry with X to remove.	ffc -21
CNDN		Customer Calling Number Identification on outgoing MFC calls. Prompted with Multifrequency Compelled Signaling (MFC) package 128	mfc-9
	0-9999	Customer CNI sent	
	0-99999999	Customer CNI not sent	
	X	Precede with X to remove	
CNFD	0-(1)-9, *, #	Control Digit for Conference	mpo-20
CNFFIELD	(NO) YES	Enable Conference Count Display Field.	basic- 23
CNF_NAME	(CONF) aaaa	Change Conferees Count Display Field Name. aaaa = 1 to 4 alphanumeric characters.	basic- 23
CNI		Calling Number Identification (R2MFC) Your CNI response will determine which field of the CDR record will contain the Calling Number Identification for this customer.	basic-22
	(DGTS)	CNI is recorded in the digits field	
	CLID	CNI of R2MFC is recorded in CLID field	
	NONE	CNI will not be recorded in CDR	

Prompt	Response	Comment	Pack/Rel
		CNI is prompted if : • CDR = YES • FCDR, CLID, and MFC packages are equipped • FCDR = NEW in LD 17 • CLID = YES in LD 17	
CNIP		Calling Number Identification Presentation	basic-22
	(YES)	Send Customer Calling Number Identification (CNDN) + Trunk ID (TKID) if Calling Line ID (CLID) = NO in LD 17	
	NO	Respond to Calling Number Identification (CNI) request with End-of-CNI R2MFC level 1 forward signal (ECNI)	
CNTC	x	Country Code for CS 1000S, Where: x = 1 for Canada	basic-2
CNTP		Calling Number Type	pri-12
	(PDN)	The Calling Line ID (CLID) feature displays the set's Prime DN	
	LDN	The CLID feature displays the customer's Listed Directory Number (LDN) This determines the default Calling Line ID (CLID) Class of Service(CLS) for all sets except those configured differently in LD 10 and LD 11. Attendant consoles only have a Listed Directory Number (LDN).	
CONF	loop	Conference loop number	awu-10
CONF_DSP	(NO) YES	Change Conference Display configurations.	basic-23
CONG		Congestion tone for all trunks busy condition	basic-1
	(OVFL)	Overflow tone for all trunks busy condition	
	BUSY	Busy tone	

Prompt	Response	Comment	Pack/Rel
CPAS	xxxx	Central Precedence answering station listed DN	basic-21
CPCI	(NO)	Called Party Control on Internal Call is not allowed for the customer	cpci-22
	YES	Called Party Control on Internal Call is allowed for the customer CPCI package 310 is required.	
CRDAY	(NO) YES	Call Redirection by Day	basic-24
CRHOL	NEW	Add holiday(s)	basic-24
	CHG	Change holiday(s)	
	OUT	Remove holiday(s)	
	OUT ALL	Deletes all holidays in the list	
CRT0	SH SM EH EM	Alternate time option 0, denoting a time when the Alternate Redirection DN will be used. Where: • SH SM = Start time • EH EM = End time Both entries are in international time format and are entered as HH MM (hour = 00-23; minute = 00-59). The default value is 00 00 00 00. The default disables CRTOD for that alternate time option.	basic-22
CRT1	SH SM EH EM	Alternate time option 1, denoting a time when the Alternate Redirection DN will be used. See the prompt CRT0 for an explanation of the response format.	basic-22
CRT2	SH SM EH EM	Alternate time option 2, denoting a time when the Alternate Redirection DN will be used. See the prompt CRT0 for an explanation of the response format.	basic-22
CRT3	SH SM EH EM		basic-22

Prompt	Response	Comment	Pack/Rel
		Alternate time option 3, denoting a time when the Alternate Redirection DN will be used. See the prompt CRT0 for an explanation of the response format.	
CRTOD		Call Redirection by Time Of Day	basic-22
	(NO)	Do not change CRTOD alternate time options	
	YES	Change CRTOD alternate time options	
CTRC	(OVF NAP OVF NAP)		basic-1
		Restricted Call	
CTVN	(OVF OVF OVF ATN)		basic-1
		Call to Vacant Number	
CUST	0-99	Customer number for Large Systems	basic-1
		For CS 1000E	basic-4.0
	0-31	For Small Systems	
		For CS 1000S	basic-1.0
		For MG 1000B	basic-2.0
		For MG 1000T	basic-4.0
CWBZ		Call Waiting Buzz	basic-1
	(NO) YES	First field-Provide two second buzz on exceeding upper CWCL or CWTM threshold.	
	(NO) YES	Second field-Buzz on first call entering queue.	
CWCL		Call Waiting Call Limit	basic-1
	(0)-255 (0)-255		
		Lower and upper thresholds.	
		The Call Waiting lamp starts flashing when number of calls in the queue exceeds the upper threshold. The lamp continues to flash until the number of calls in queue is less than the lower threshold. Enter 0 to disable this feature.	

Prompt	Response	Comment	Pack/Rel
	(0)-1000 (0)-1000	Lower and upper thresholds defined as a percentage of the active consoles when OPT = FACA. When the FACA/FACD option is changed, a new value for CWCL must be set or the default values are used. The CWCL values for the tenant-level are set equal to the customer-level values. CWCL is also prompted in LD 93.	
CWTM	(0)-511 (0)-511	Lower and upper thresholds for Call Waiting Time. The Call Waiting lamp starts flashing when the call in the queue exceeds the upper threshold. The lamp continues to flash until the wait time is less than the lower threshold. Enter 0 to disable this feature.	basic-1
CWUP	(NO) YES	Call Waiting queue Update Prompted with M2250 Attendant Console (DCON) package 140. The M2250 type consoles can be notified every time there is a change to the Call Waiting queue.	dcon-15
DACT_BUSY		Boss's Lamp status when BSFE is disabled and set is busy.	ffcsf-24
	(LIT)	LCD Lamp is on.	
	WINK	LCD Lamp flash rate is 60 impulses per minute.	
	FLSH	LCD Lamp flash rate is 30 impulses per minute.	
	DARK	LCD Lamp is off.	

Prompt	Response	Comment	Pack/Rel
DACT_IDLE		Boss's Lamp status when BSFE is disabled and set is idle.	ffcsf-24
	(DARK)	LCD Lamp is off.	
	WINK	LCD Lamp flash rate is 60 impulses per minute.	
	LIT	LCD Lamp is on.	
	FLSH	LCD Lamp flash rate is 30 impulses per minute.	
DAPC	(NO) YES	Dial Access Prefix on CLID table entry option	isdn-24
DASC	xxxx	Display Access Code Enter the access code which is to be placed on displays before Originating Line Identities (OLI) and Terminating Line Identities (TLI) are received from the ISDN. The default is no code, when creating a new data block. Prompted with Multi Language Wake Up (MLWU) package 206 and Integrated Digital Access (IDA) package 122.	mlwu-16
DATE	dd mm yyyy	Date of the holiday Where: dd = day mm = month yyyy = year (optional, if no year is entered the holiday is repeated every year.	basic-24
DAY	0-28	Day of month for printout. Where 0 = last day of month	supp-15
DAY0	n n n n n n n	Days for day option 0 for which alternate treatment is given. Where: n = 1 (Sunday) n = 2 (Monday) n = 3 (Tuesday) n = 4 (Wednesday) n = 5 (Thursday) n = 6 (Friday) n =7 (Saturday)	basic-24

Prompt	Response	Comment	Pack/Rel
	ALL	Alternate treatment is to be given throughout the week	
	Xn	Precede the day number with X to remove	
	Xn Xn Xn	Multiple days may be removed by preceding each day number with X and separating with a space.	
DAY1	n n n n n n n	Days for day option 1 for which alternate treatment is given Where: n = 1 (Sunday) n = 2 (Monday) n = 3 (Tuesday) n = 4 (Wednesday) n = 5 (Thursday) n = 6 (Friday) n =7 (Saturday)	basic-24
	ALL	Alternate treatment is to be given throughout the week	
	Xn	Precede the day number with X to remove	
	Xn Xn Xn	Multiple days may be removed by preceding each day number with X and separating with a space.	
DAY2	n n n n n n n	Days for day option 2 for which alternate treatment is given Where: n = 1 (Sunday) n = 2 (Monday) n = 3 (Tuesday) n = 4 (Wednesday) n = 5 (Thursday) n = 6 (Friday) n =7 (Saturday)	basic-24
	ALL	Alternate treatment is to be given throughout the week	
	Xn	Precede the day number with X to remove	
	Xn Xn Xn	Multiple days may be removed by preceding each day number with X and separating with a space.	

Prompt	Response	Comment	Pack/Rel
DAY3	n n n n n n n	Days for day option 3 for which alternate treatment is given Where: n = 1 (Sunday) n = 2 (Monday) n = 3 (Tuesday) n = 4 (Wednesday) n = 5 (Thursday) n = 6 (Friday) n =7 (Saturday)	basic-24
	ALL	Alternate treatment is to be given throughout the week	
	Xn	Precede the day number with X to remove	
	Xn Xn Xn	Multiple days may be removed by preceding each day number with X and separating with a space.	
DBRC	2-(60)-120	Duration Between Reminder Cadences for audible reminder of held call Odd entries are rounded up to a valid multiple of two seconds.	basic-14
DCMX	1-255	Digit Conversion Maximum number of tables The sum of the values for MAXT and DCMX cannot exceed 255 or MAXT + DCMX = 255.	idc-12
DFLT		Default	casr-1
	(NO)	CAS will not be activated after a SYSLOAD.	
	YES	CAS will be activated after a SYSLOAD.	
DFLT	0-(3)-9	CIS value used when MFC CAC has not been received, or MFC CAC received is not in the MFC CAC list of this table.	cist-24
	0-(6)-10	CIS value used when CIC CAC has not been received, or MFC CAC received is not in the CIC CAC list of this table.	

Prompt	Response	Comment	Pack/Rel
DFLT_LANG	a...a	Default language for M3900 on Remote Office Where: a...a = (ENG), FRE, GER, DUT, SPA, ITA, NOR, SWE, DAN, POR, FIN, POL, CZE, HUN, JAP, RUS, LAT, or TUR.	ponw-25.4
DFLT_SCPW	(NO) YES	Allow or deny Default Station Control Password for IP Phones. When DFLT_SCPW = YES, the system automatically assigns a SCPW when a new IP Phone is programmed. An SCPW is not automatically assigned to an existing IP Phone until it receives a service change.	
DFNA	1-(4)-15	Number of Distinctive Ringing Forward No Answer cycles Prompted with Distinctive Ringing (DRNG) package 74.	drng-4
DFN0	1-(4)-15	Number of Distinctive Ringing cycles for CFNA, Option 0 CFNA has three ringing cycle options. This assigns the Distinctive Ringing cycles for Option 0. Refer to *Features and Services* (553-3001-306) for details concerning this feature	uscr-19
DFN1	1-(4)-15	Number of Distinctive Ringing cycles for CFNA, Option 1	uscr-19
DFN2	1-(4)-15	Number of Distinctive Ringing cycles for CFNA, Option 2	uscr-19

Prompt	Response	Comment	Pack/Rel
DFNR	(0)-15	DID Forward No Answer Ring cycles Defines the Number of ringing cycles before a DID call is Slow Answer Recalled to the attendant console after the last stage of CFNA or hunt treatment has been completed (the maximum number of CFNA or hunt steps is two). If DFNR = 0, then DID CFNA enhancement is disabled. DID Call Forward No Answer is the Master Timer. Prompted if the FNAD prompt is not ATT or NO.	ffc-16
DGRP	(0)-2046	Maximum number of Dial Intercom Groups (DIG) Prompted with Dial Intercom (DI) package 21	di-1
DIDN	(YES)	Precede the DN of the active DN key with the digits in HLCL	isdn-22
	NO	Use digits in HLCL	
	SRCH	FInd a DN key of the set from key 0 which has DIDN of a CLID entry set to YES	
DIDT	0-(14)-60 0-(14)-60 0-(14)-60	Dial tone and Interdigit timeout for DTMF sets when International Supplementary Features (SUPP) package 131 is equipped. The 1st parameter is the time before first digit or the dial tone time. The 2nd parameter is the time between the first and second digits. The 3rd parameter is the time between digits after the second digit. Odd entries are rounded down to a valid multiple of two seconds.	supp-9
	2-(14)-60	Dial tone and Interdigit timeout for DTMF sets when International Supplementary Features (SUPP) package 131 is not equipped. Odd entries are rounded down to a valid multiple of two seconds.	

Prompt	Response	Comment	Pack/Rel
DIND	0-(30)-60 0-(30)-60 0-(30)-60	Dial tone and Interdigit timeout for non-DTMF sets when International Supplementary Features (SUPP) package 131 is equipped. The 1st parameter is the time before first digit or the dial tone time. The 2nd parameter is the time between the first and second digits. The 3rd parameter is the time between digits after the second digit. Odd entries are rounded down to a valid multiple of two seconds.	basic-10
	2-(30)-60	Dial tone and Interdigit timeout for non-DTMF sets when International Supplementary Features (SUPP) package 131 is not equipped.	
DISD	0-(1)-9, *, #	Control digit for Disconnect	mpo-20
DITI	(NO) YES	DID to TIE connections allowed To connect external DID and internal network TIE trunks for the customer (which allows an external trunk to be transferred across an internal network TIE trunk), set DITI = YES.	supp-10
DLAT	(0)-120	Delayed Answer Timer. Where 0 = no time limit. In seconds for internal calls. Call disconnected if not answered. Prompted with Operator Call Back (OPCB) package 126.	opcb-14
DLDN	(NO) YES	Departmental Listed Directory Numbers. Prompted with Departmental Listed Directory Number (DLDN) package 76.	dldn-5

Prompt	Response	Comment	Pack/Rel
DLT		Direct Inward System Access (DISA) Lockout treatment	disa-1
	(OVF)	Overflow tone	
	ATN	Attendant	
	OFA	Overflow then attendant	
DMWM	(NO) YES	Enable the output of DPNSSI Message Waiting Indication Non Specified Information error messages (ERR0001, ERR0002, ERR0003).	dmwi- 23
DNDH	(NO) YES	Do Not Disturb Hunting allowed Prompted with Meridian Hospitality Voice Services (MHVS) package 179.	hvs-16
DNDL	(NO) YES	Do Not Disturb Lamp on 500/2500 telephones Prompted with Do Not Disturb Individual (DNDI) package 9.	dndi-10
DNDT		Do Not Disturb intercept Treatment	dndi-1
	(BST)	Busy Tone	
	ATT	Attendant	
	RAN	RAN trunk Prompted with Do Not Disturb Individual (DNDI) package 9	
DNLG	0-(4)-15	DN Length	
DTMF		End-to-End Signaling feedback tone	ees-19
	(NO)	Use the improved EES for single tone feedback	
	YES	Use the current EES for DTMF feedback tone	

Prompt	Response	Comment	Pack/Rel
ECC1		Enhanced Controlled Class of Service level 1 ECC1 is prompted with Enhanced Control Class of Service (ECCS) package 173. This access restriction applies when CCRS is active. When CCRS is inactive, the set reverts to the Access Restrictions defined in LD 10 or LD 11. Allowed access restrictions are:	eccs-15
	(CTD)	Conditionally Toll Denied	
	CUN	Conditional Unrestricted	
	FR1	Fully Restricted class 1	
	FR2	Fully Restricted class 2	
	FRE	Fully Restricted	
	SRE	Semi-Restricted	
	TLD	Toll Denied	
	UNR	Unrestricted	
ECC2		Enhanced Controlled Class of Service level 2 ECC2 is prompted with Enhanced Control Class of Service (ECCS) package 173. This access restriction applies when CCRS is active. When CCRS is inactive, the set reverts to the Access Restrictions defined in LD 10 or LD 11. Allowed access restrictions are:	eccs-15
	(CTD)	Conditionally Toll Denied	
	CUN	Conditional Unrestricted	
	FR1	Fully Restricted class 1	
	FR2	Fully Restricted class 2	
	FRE	Fully Restricted	
	SRE	Semi-Restricted	
	TLD	Toll Denied	
	UNR	Unrestricted	

Prompt	Response	Comment	Pack/Rel
ECDN	x...x	External Call DN DN used for intercept transfer when the FDN and Multi-Tenant are not on intercept position. The DN is used for intercept treatment for external calls. Up to13 digits allowed.	icp-16
ECDR	(NO) YES	Print End-to-End Signaling digits in CDR record	ees-19
EESD		End-to-End Signalling Digit Display	ees-24
	(NO) YES	No End-to-End Signalling Digit Display Display End-to-End Signalling Digits	
EEST		End-to-End Signaling Tone to originating party	ees-19
	(NO)	No feedback tone to the originator	
	YES	Send feedback tone to originator	
		When EEST = NO *or* when EEST = YES and DTMF = NO, *Improved* End-to-End Signaling is used. When EEST = YES and DTMF = YES, *Enhanced* End-to-End Signaling is used.	
		EEST is prompted with End-to-End Signaling (EES) package 10.	
EFLL	(0)-8064	Efficiency Factor Loading Level Prompted with Network Attendant Services (NAS) package 159	nas-14
ELPL	1-15	Electronic Lock Password Length (number of digits)	basic-12
ENS	(NO) YES	Enhanced Night Service enabled Prompted with Enhanced Night Service (ENS) package 133.	ens-20
ENTRY	xx	CLID entry to be configured. CLID entries must be between 0 and the value entered at the SIZE prompt - 1. Precede entry or entries with X to delete. ENTRY is repeated until a <CR> is entered.	isdn-22

Prompt	Response	Comment	Pack/Rel
ESA_APDN	(YES) NO	Append the originating Directory Number after the Home Local Number for Emergency Services Access calls.	esa- 23 esa_clmp-23
ESA_HLCL	x..x	Home Local Number for Emergency Services Access calls. If the system is Flexible Numbering Plan (FNP) packaged, then up to 12 digits are accepted. If the system is not FNP packaged, then up to 7 digits are accepted. 'X' deletes the data.	esa- 23
ESA_INHN	(NO) YES	Insert Home National Number in front of Home Local Number for Emergency Services Access calls.	esa- 23
EXTFIELD	(NO) YES	Enable Total External Conferees Count display field.	basic- 23
EXT_NAME	(E) aaaa	Change Total External Conferees Count field name. aaaa = 1 to 4 alphanumeric characters.	basic- 23
EXTT	(NO) YES	Prevent unconditional external Trunk to Trunk transfer. Allow unconditional external Trunk to Trunk transfer.	basic-22
FCAF	(NO) YES	Forced Charge Account active Prompted with Forced Charge Account (FCA) package 52	fca-1
FCNC	0-99	FCA Network Class of Service	fca-1
FCR_DATA	(NO) YES	Change New Flexible Code Restriction options	basic-21

Prompt	Response	Comment	Pack/Rel
FCWD	(0)-126	Forwarded No Answer Call Waiting DID feature. FCWD determines the number of seconds a DID call should wait on a set before being forwarded to the attendant If (0) is chosen, the call is not forwarded to attendant. Valid entries are even numbers between 0-126, odd numbers are rounded down. Prompted with French Type Approval (FRTA) package 197	frta-15
FFC_DATA	(NO) YES	Change Flexible Feature Code options	basic-21
FFCS	(NO) YES	Change Flexible Feature Code end-of-dialing indicator	ffc-15
FLEN	1-(16)	Flexible length of digits expected	
FLSH	xxx	Switchhook Flash timing. (format when International Supplementary Features (SUPP) package 131 is not equipped)	basic-1
	xxx yyy	Minimum and maximum switchhook flash time in milliseconds (format when International Supplementary Features (SUPP) package 131 is equipped) Where: xxx = 20-(45)-768; yyy = xxx-(896)-1500 The timing specified will be used for EPE equipment only. XPE equipment will use the FLSH specified in LD 97.	
FMOP	(NO) YES	Flexible Misoperation options are not required Flexible Misoperation options are required	mpo-20

Prompt	Response	Comment	Pack/Rel
FNAD		Call Forward No Answer treatment for DID calls	basic-2
	(HNT)	Hunt DN, defined in telephone data block	
	ATT	CFNA to attendant	
	FDN	Flexible CFNA DN, defined in telephone data block	
	NO	CFNA not allowed	
FNAL		Call Forward No Answer treatment for all other calls including trunk calls marked as internal. An internal trunk call is a trunk call in which LD 16 prompt RCLS = INT. If FNAL = HNT, no answer calls are forwarded to the Hunt DN.	basic-10
	(HNT)	Hunt DN (defined in telephone data block)	
	ATT	CFNA to attendant	
	FDN	Flexible CFNA DN (defined in telephone data block)	
	NO	CFNA not allowed	
FNAT		Call Forward No Answer treatment for external Trunk non-DID calls. An external call is defined as a trunk call in which LD 16 prompt RCLS = EXT. If FNAT = FDN or HNT, then Call Forward by Call Type (CFCT) handles the call.	basic-10
	(HNT)	Hunt DN, defined in telephone data block	
	ATT	CFNA to attendant	
	FDN	Flexible CFNA DN, defined in telephone data block	
	NO	CFNA not allowed	
FNP	(YES) NO	Enable Flexible Numbering Plan for customer.	fnp-23
FOPT	0-(14)-30	Flexible Orbiting Prevention Timer The number of seconds in two second intervals that CFW should be suspended on a set that has just forwarded a call off-node. Odd entries are rounded up to the next valid entry. A response of 0 disables FOPT.	nas-20

Prompt	Response	Comment	Pack/Rel
FRAN	0-511	First RAN number for first PCR threshold	supp-16
	X	To disable the RAN	
FRRT	0-511	First Recorded Announcement or RAN Route for Recorded Overflow Announcement (ROA). Prompted with Recorded Overflow Announcement (ROA) package 36 and OPT = ROI. Enter X to remove	roa-14
FRT	0-(20)-2044	First RAN Time seconds before first RAN given.	frt-1
FTR_DATA	(NO) YES	Change Features and options	basic-21
FTOP		Flexible Trunk to Trunk Options.	basic-23
	(FRES)	Flexible Trunk to Trunk Connections Restricted. FTT feature is inactive.	
	TBFT	Trunk Barring Flexible Trunk to Trunk Connections. FTT adds new restrictions on connections not barred by TBAR	
	FTTB	Flexible Trunk to Trunk connections Trunk Barring. FTT lifts TBAR restrictions for routes barred by TBAR. FTT cannot add any new restrictions for non-barred routes.	
	FTLY	Flexible Trunk to Trunk Connections Only. All set based trunk to trunk connections for Transfer and Conference are controlled by FTT only.	

Prompt	Response	Comment	Pack/Rel
GPXX	x	Unsolicited status events 1, 2, 3, 4, 5 or 6 Unsolicited status events are used with Meridian Link applications. Enter the message to be sent to the host computer for telephones in the group, where: • 0 = No status messages monitored • 1 = On-Hook • 2 = Off-Hook • 3 = Ringing • 4 = Active • 5 = Disconnect • 6 = Unringing Precede the value with an X to remove a status from the Group report. The prompts GP02 through GP15 appear when Meridian Link package is equipped. Default values are in Group 0 and Group 1: • Group 0 = sends no messages • Group 1 = sends all messages Groups 0 and 1 cannot be entered or changed here, but can be entered in response to the IAPG prompt in LD 10 and LD 11.	mlm-19

Prompt	Response	Comment	Pack/Rel
GP02	n n n n n	Group 2 status events The following comment applies to prompts GP03 through GP15: Unsolicited status events are used with Meridian Link applications. Enter the message to be sent to the host computer for telephones in the group, where: • 0 = No status messages monitored • 1 = On-Hook • 2 = Off-Hook • 3 = Ringing • 4 = Active • 5 = Disconnect • 6 = Unringing Precede the value with an X to remove a status from the Group report. Default values are in Group 0 and Group 1: • Group 0 sends no messages • Group 1 sends all messages Groups 0 and 1 cannot be entered or changed here, but can be entered in response to the IAPG prompt in LD 10 and LD 11. The prompt GP02 through GP15 are presented only with Integrated Services Digital Network Application Module Link for 3rd Party Vendors (IAP3P) package 153 equipped.	iap3p-13
GP03	n n n n n	Group 3 status events 1, 2, 3, 4, 5 or 6 assigned	iap3p-13
GP04	n n n n n	Group 4 status events 1, 2, 3, 4, 5 or 6 assigned	iap3p-13
GP05	n n n n n	Group 5 status events 1, 2, 3, 4, 5 or 6 assigned	iap3p-13
GP06	n n n n n	Group 6 status events 1, 2, 3, 4, 5 or 6 assigned	iap3p-13
GP07	n n n n n	Group 7 status events 1, 2, 3, 4, 5 or 6 assigned	iap3p-13

Prompt	Response	Comment	Pack/Rel
GP08	n n n n n	Group 8 status events 1, 2, 3, 4, 5 or 6 assigned	iap3p-13
GP09	n n n n n	Group 9 status events 1, 2, 3, 4, 5 or 6 assigned	iap3p-13
GP10	n n n n n	Group 10 status events 1, 2, 3, 4, 5 or 6 assigned	iap3p-13
GP11	n n n n n	Group 11 status events 1, 2, 3, 4, 5 or 6 assigned	iap3p-13
GP12	n n n n n	Group 12 status events 1, 2, 3, 4, 5 or 6 assigned	iap3p-13
GP13	n n n n n	Group 13 status events 1, 2, 3, 4, 5 or 6 assigned	iap3p-13
GP14	n n n n n	Group 14 status events 1, 2, 3, 4, 5 or 6 assigned	iap3p-13
GP15	n n n n n	Group 15 status events 1, 2, 3, 4, 5 or 6 assigned	iap3p-13
HCC		Held Call Clearing, prompted with International Supplementary Features (SUPP) package 131.	supp-9
	(NO)	feature not activated	
	YES	feature activated	
	XFER	feature activated and set to transfer	
HDOPT		Off-Hook Alarm Security Half Disconnect Options	basic-24
	(0)	No Off-Hook Alarm Security Half Disconnect treatment	
	1-10	Number of Off-Hook Alarm Security Half Disconnect treatments	
	CONT	Continuous Off-Hook Alarm Security Half Disconnect treatment	
HDTM	1-(30)-600	Off-Hook Alarm Security Half Disconnect Timer in seconds	basic-24
HLCL	0-99 ... 99	Local code for home local number or Listed directory number (1-12 digits). Precede with X to remove.	isdn-22

Prompt	Response	Comment	Pack/Rel
HLOC	100-99999999	Home Location Code (ESN) as defined in LD 90 Up to 7 digits with extended code. Prompted when ISDN=YES, or with Digital Private Network Signaling System 1 (DPNSS) package 123.	pri-12
HMDN	xxxx	Home DN	basic-21
HMTL	(YES) NO	Hotel/Motel environment	hosp-21
HNPA	200-999	Home Number Plan Area code defined in LD 90 Prompted with Multi Language Wake Up (MLWU) package 206. Not prompted with International Primary Rate Access (IPRA) package 202.	nanp-19
HNTN	0-999999	National code for home national number (1-6 digits). Precede with X to remove.	isdn-22
HNXX	100-9999	Prefix for Central Office defined in LD 90. Prompted with Multi Language Wake Up (MLWU) package 206. Not prompted with International Primary Rate Access (IPRA) package 202. Allow for digit insertion between HNXX and the DN. If HNXX is 4 digits long, only the last 3 digits of the DN are displayed in the Calling Line ID CLID.	mlwu-12
HOL_OPT	0-3 ALL X0-3	Holiday redirection option for which the date applies Date applies to all holiday options Precede the option number with X to remove the date from that option list	basic-24
HOSP	(NO) YES	Hospitality Management or Hospitality allowed Prompted with HOSP package 166.	hosp-21

Prompt	Response	Comment	Pack/Rel
HOUR	hh	Hour of day for printout	
	hh hh	Two printouts per day allowed when SCDL = 1	
HRCL	0-512	Hold Recall timer	casm-1
HSP_DATA	(NO) YES	Change Hospitality Management options	basic-21
HWTT	0-(300)-600	Length of Howler Tone in seconds. Prompted with Multi Language Wake Up (MLWU) package 206, and Operator Callback (OPCB) package 126. Where: 0 = continuous tone	mlwu-12
ICCR	(NO) YES	Intercept position Canceling Reply is sent if transfer is canceled from Intercept computer	icp-10
ICDN	xxxx	Internal Call DN DN used for intercept transfer when the FDN and Multi-Tenant are not on intercept position. The DN is used for intercept treatment for internal calls. Up to 13 digits allowed.	icp-16
ICDL	3-(4)-7	ICP DN Length Length of DN to and from the ICP computer.	icp-10
ICI	x aaa	Attendant Incoming Call Indicators Where: x = 0-9 if OPT = IC1, or x = 0-19 if OPT = IC2. Where: aaa = ICI function name. Multiple responses can be entered for the same key.	basic-20
	x CAy	ICI number, Station Category Indication priority level, (where y = 1-7)	
	x CFB	ICI number, Call Forward Busy	
	x CFN	ICI number, Call Forward No Answer	
	x DF0	ICI number, dial 0 fully restricted	
	x DL0	ICI number, dial 0	

Prompt	Response	Comment	Pack/Rel
	xx IADN	xx = ICI key number (0 - 19) ICI key for individual attendant DN.	basic- 23
	x IAT	ICI number, Inter-Attendant call	
	x IEN	ICI number, Idle Extension Notification	
	x INT	ICI number, Intercept	
	x LCT	ICI number, lockout intercept	
	x LD0	ICI number, listed DN0	
	x LD1	ICI number, listed DN1	
	x LD2	ICI number, listed DN2	
	x LD3	ICI number, listed DN3	
	x LD4	ICI number, listed DN4	
	x LD5	ICI number, listed DN5	
	x MTR	ICI number, Meter Recall	
	x MWC	ICI number, Message Waiting Calls	
	x NCO	ICI number, Network CO trunk	
	x NDID	ICI number, Network DID trunk	
	x NFEX	ICI number, Network FEX trunk	
	x NTIE	ICI number, Network TIE trunk	
	x NUL	ICI number, remove ICI appearances	
	x NWAT	ICI number, Network WAT trunk	
	x RDI	ICI number, RDI intercept	
	x RLL	ICI number, Recall	
	x Ryyy Ryyy	ICI number, one or more Route numbers	
	x TRK	ICI number, Trunk types and local route numbers	
ICMM	0-9	Message number shown when the transfer is caused by a maintenance program	icp-14

Prompt	Response	Comment	Pack/Rel
ICP	(NO) YES	Intercept Computer available Prompted with Intercept Computer Interface (ICP) package 143. Must be defined in LD 17.	icp-10
ICP_DATA	(NO) YES	Change Intercept Treatment options	basic-21
ICPD	(0)-9	ICP Padding Digit Padding digit for DNs shorter than specified in ICDL.	icp-10
ICPR	0-<nipn>	ICP Printer number. Prompted if ICPS = COM.	icp-10
ICPS		ICP Printer Search	icp-10
	(CIR)	Circular search	
	COM	Common printer for all consoles	
		Type of Intercept Computer printer search, done when more than one console is used.	
ICTD	(NO) YES	Intercept Computer Terminal Dial from directory This prompt allows an intercept position of attendant type to dial an extension DN from the Intercept Computer Terminal.	icp-10
ICWN	(0)-511	Intercept Computer Owner Prompted with Multi-Tenant Service (TENS) package 86. Tenant that owns the intercept computer.	tens-9
IDBZ	(NO) YES	Enable Individual Attendant DN Buzzing.	basic- 23
IDCA	(NO) YES	Incoming DID Digit Conversion Allowed NFCR must = YES before IDCA can = YES. Prompted with Incoming Digit Conversion (IDC) package 113	idc-12

Prompt	Response	Comment	Pack/Rel
IDEF		Internal/external definition Network wide INY/EXT definition for Call Forward/Hunt by Call Type, Internal Call Forward, and Break In Indication Prevention.	basic-22
	(NO)	A call will not be treated as internal or external according to the network wide definition of internal and external calls. When IDEF = NO, information that could have been entered previously at the IDEF prompt in LD 16 will not influence call treatment.	
	YES	A call will be treated as internal or external according to the network wide definition of internal and external calls. Changing IDEF to NO and then back to YES will not reset the data entered in LD 16.	
IDR	0-511	Identification Error RAN number	supp-16
	X	To disable the RAN	
IFLS	(NO)	Allow switchhook flash signal from 500/2500 sets	mpo-20
	YES	Ignore switchhook flash signal from 500/2500 sets If YES then sets require ground buttons.	
IMA	(NO) YES	Integrated Messaging System enabled Prompted when OPT=MCI	ims-1
IMPH	(NO) YES	CDR for Incoming Packet data call	mph-19
IMS	(NO) YES	Change Integrated Messaging System features Prompted with Integrated Message System (IMS) package 35.	ims-1
IMS_DATA	(NO) YES	Change Integrated Message Service options	basic-21

Prompt	Response	Comment	Pack/Rel
INT	(NO) YES	Internal Malicious Call Trace Alarm If the alarm is to be rung when MCT is activated against internal calls ALRM = YES and INT = YES.	emct-20
INTFIELD	(NO) YES	Enable Internal Conferees Count display field.	basic- 23
INTL	0-9999	Country code (1-4 digits). Precede with X to remove.	isdn-22
INTC	xxx	International Access Code for CS 1000S, Where: xxx = 011 for Canada	basic-2
INT_DATA	(NO) YES	Change Intercept Treatment options	basic-21
INT_NAME	(I) aaaa	Change Internal Conferees Count display field name. aaaa = 1 to 4 alphanumeric characters.	basic- 23
INTR	(NO) YES	Change Intercept Treatment Intercept treatments determine the action performed when a user makes an invalid call. Each intercept prompt requires four entries representing the type call: • first entry = station/DISA • second entry = attendant extended • third entry = TIE trunk • fourth entry = CCSA/DID trunk One of the following responses is required for each entry: • ATN = Intercept to Attendant • BSY = Busy Tone • NAP = Not Applicable • OVF = Overflow Tone • RAN = Intercept to Recorded Announcement • SRC1-SRC8 = Announcement Source Channel	basic-1

Prompt	Response	Comment	Pack/Rel
		The defaults are shown for each Intercept prompt. If RAN is specified, you are prompted for the RAN route number.	
IRFP	x....x	Internal Attendant Remote Call Forward Password The password length is 1-8 digits. The password is numeric only.	arfw-20
IRFR	(NO) YES	Internal Attendant Remote Call Forward Password Required	arfw-20
IRNG	(NO) YES	Intercom Ring Distinctive Ringing for Dial Intercom	drng-4
ISDN	(NO) YES	Integrated Services Digital Network allowed for customer Prompted when ISDN signaling package 145 is equipped and either the Integrated Service Digital Network BRI Trunk Access (BRIT) package 233 is equipped or at least one PRA link is configured.	isdn-12
ITH1	1-255	Visual Indication Threshold 1 TH1 ≤ calls in queue ≤ ITH2	bacd-8
ITH2	1-255	Visual Indication Threshold 2 ITH2 ≤ calls in queue ≤ ITH3	bacd-8
ITH3	1-255	Visual Indication Threshold 3 calls in queue > ITH3	bacd-8
LA11	0-511	Primary RAN route for Language 1 Prompted with Multi-Language Wake Up (MLWU) package 206.	mlwu-16
LA12	0-511	Secondary RAN route for Language 1	mlwu-16

Prompt	Response	Comment	Pack/Rel
LA21	0-511	Primary RAN route for Language 2	mlwu-16
LA22	0-511	Secondary RAN route for Language 2	mlwu-16
LA31	0-511	Primary RAN route for Language 3	mlwu-16
LA32	0-511	Secondary RAN route for Language 3	mlwu-16
LA41	0-511	Primary RAN route for Language 4	mlwu-16
LA42	0-511	Secondary RAN route for Language 4	mlwu-16
LA51	0-511	Primary RAN route for Language 5	mlwu-16
LA52	0-511	Secondary RAN route for Language 5	mlwu-16
LADN	x...x	Local Attendant Directory Number This must be different from the DN entered for ATDN. Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150.	casr-1
LCKT	(BSY BSY BSY BSY)	Call to a lockout set	isdn-15
LDA0	1-63 ALL	Attendant consoles associated with LDN0 Allow LDN0 on all attendants. Precede X to remove.	basic-5
LDA1	1-63 ALL	Attendant consoles associated with LDN1 Allow LDN1 on all attendants. Precede with X to remove.	basic-5
7LDA2	1-63 ALL	Attendant consoles associated with LDN2 Allow LDN2 on all attendants. Precede X to remove.	basic-5

Prompt	Response	Comment	Pack/Rel
LDA3	1-63 ALL	Attendant consoles associated with LDN3 Allow LDN3 on all attendants. Precede X to remove.	basic-5
LDA4	1-63 ALL	Attendant consoles associated with LDN4 Attendant consoles associated with LDN4	nldn-20
LDA5	1-63 ALL	Attendant console associated with LDN5 Attendant console associated with LDN5	nldn-20
LDBZ	n n n n n n ALL	Listed Directory Number Buzzing groups 0,1,2,3,4, or 5. The Departmental Listed Directory Number groups which should be buzzed when a Listed Directory Number/Code Blue call is in the attendant queue. Precede with 'X' to remove.	basic-23
LDN_DATA	(NO) YES	Change Departmental Listed Directory Numbers	basic-21
LDN0	x...x	Listed Directory Number 0 Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Precede with X to remove an entry. LDN0 must be defined for ISDN PRI DID service. The length of LDN0 determines the number of trailing digits translated as the dialed DN on PRI DID routes.	basic-1
LDN1	x...x	Listed DN 1 Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Precede with X to remove an entry.	basic-1
LDN2	x...x	Listed DN 2 Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Precede with X to remove an entry.	basic-1

Prompt	Response	Comment	Pack/Rel
LDN3	x...x	Listed DN 3 Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Precede with X to remove an entry.	basic-1
LDN4	x...x	Listed DN 4 Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Precede with X to remove an entry.	nldn-20
LDN5	x...x	Listed DN 5 Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Precede with X to remove an entry.	nldn-20
LDNT	(NO) YES	Listed Directory Number Tone Special tone to CAS main attendant when presented with LDN calls.	casr-12
LDTT	2-(6)-30	Line disconnect tone timer for 500/2500 telephones in seconds	basic-17
LEC	0-99..99	Local Exchange Code, 1 to 15 digits.	
	X	Remove LEC	
LEND		List Entry Number Delimiter	ssc-22
	(NO)	A delimiter (*) is neither required nor allowed between the list entry number and telephone number	
	YES	A delimiter (*) is required between the list entry number and telephone number. LEND is prompted with packages scc-1 or ssc-34	

Prompt	Response	Comment	Pack/Rel
LFFD	x00..x00	First DN of lamp field array for ILF. The system shows the status of the next 150 consecutive DNs. Last two digits of first DN must be 00. First DN must start on even 100 (e. g., 3400 is acceptable, but 3450 is not). Precede with X to remove. Prompted when OPT = ILF.	basic-1
LFTN	l s c u	Lamp Field array Terminal Number LFTN is prompted again for a second lamp field array. For Supervisory Console, when assigning lamp field array to show Attendant status, enter the secondary TN of the console. To remove the second LFTN, enter “0”. To remove both LFTNs, enter XLF in response to prompt OPT. Prompted when OPT = ILF. Not allowed for 2000/3000 series telephones.	basic-1
	c u	For Small System	
LINK	(NO) YES	ACD DNIS Link option. Prompted if OPT = DNI.	dnis-10
LLT		Flexible Line Lockout Treatment	basic-4
	(OVF)	Overflow tone	
	ATN	Attendant	
	OFA	Overflow, then Attendant	
LOCL	1-(10)	Flexible length of Vacant Number Routing (VNR) Location digits (LOC). Enter the maximum number of LOC digits expected by VNR.	fnp-14

Prompt	Response	Comment	Pack/Rel
LSC	1-9999999	Local Steering Code. LSC can be one to seven digits. LSCs are required if the CDP DNs are longer than the local PDNs. The CLID sent for a CDP call is composed of the LSC defined in LD 15 plus the PDN of the calling set. Various ISDN network features depend on the CLID as the return address for sending feature control messages. Multiple LSCs may be defined in LD 87 for CDP but only one LSC can be defined here for the CLID. The LSC prompt appears only if the user has a five or six digit dialing plan, or if the DPNSS software package is equipped. LSC is prompted here if ISDN = NO, otherwise LSC is a sub-prompt of ISDN. Precede with X to remove	cdp-12
MAIN	(NO) YES	CAS Main	casm-1
MATT	(NO) YES	Consoles used as Message Center Prompted with Message Waiting Center (MWC) package 46 and OPT = MCI.	mwc-1
MAXT	1-255	Maximum number of NFCR translation tables Once defined a lower value cannot be entered for MAXT. The sum of the values for MAXT and DCMX cannot exceed 255 or MAXT + DCMX $\leq$ 255 per customer.	nfcr-2
MBG	(0)-65535	Multi-location Business Group. Where: • 0 = no indication • 1 = reserved for public network • 2-65535 = Business Group Identifiers This parameter is used to define the Multi-location Business Group. It is not currently used by the MSL-1, but is added for interfacing with systems that require it.	tens-16

Prompt	Response	Comment	Pack/Rel
MBNR	(OVF OVF OVF ATN)		
		Maintenance Busy Numbers	basic-1
	MAIL MAIL MAIL MAIL		
		Mail intercept treatment configuration	sipe-25
MCDC	(NO) YES	Malicious Call DN/CLID printing allowed	mct-10
MCLR	(NO) YES	Meter Clear after printing	supp-15
MCRT	xxxx	Malicious Call Trace Recorder route number as defined in LD 16.	emct-20
MDID	(NO) YES	No Answer DID calls routed to Message Center Prompted with Message Waiting Center (MWC) package 46 and OPT = MCI.	mwc-1
MFC_ENT		CAC conversion table to convert MFC CAC into CIS CAC	
	(0)-31	CAC conversion table entry to be created or modified	
	Xaa	CAC conversion table entry to be deleted	
	Xaa Xbb	CAC conversion table entries between aa and bb to be deleted.	
	<CR>	Exit MFC CAC conversion table, gives CIS_ENT prompt. This prompt is repeated until <CR> is entered as response. For REQ=NEW, only default table 0 is configurable. An ENTRY can be deleted even if still configured on an incoming route.	

Prompt	Response	Comment	Pack/Rel
MFCG	(OVF OVF OVF ATN)	MFC Congestion	opcb-14
MFID	a	Manufacturer Identifier. a = any alpha character 'X' followed by the Manufacturer Identifier of the Message Waiting Indication Non Specified Information table to delete. 'XALL' to remove all the existing Message Waiting Indication Non Specified Information tables.	dmwi- 23
MFVN	(OVF OVF OVF ATN)	MFC Call to Vacant Number	opcb-14
MFVO	(OVF OVF OVF ATN)	MFC Call to Vacant Office	opcb-14
MHLD	(NO) YES	Manual Hold after inquiry is not required Manual Hold after inquiry is required	mpo-20
MLDN	<MAIL DN>	mail DN	sipe-25
MLPPSD	xxxxxx	Default MLPP service domain used when no value is entered for the MLPPSD prompt in Overlay 87. Where: • xxxxxx = six hexadecimal characters in the range (000000 to FFFFFF) used to signify a 24 bit binary integer. Default is (000000).	atvn-25.47
MPH	(NO) YES	CDR for Meridian Packet Handler This is the Call Detail Records for an incoming packet data call from the Public Switched Packet Data Network to the Meridian Packet Handler	mph-19

Prompt	Response	Comment	Pack/Rel
MPO_DATA	(NO) YES	Change Multi Party Options	basic-21
MPOP		Multi-Party Operations	mpo-20
	(NO)	Do not define certain multi-party options	
	YES	Define certain multi-party options Prompted with Multi-Party Operations (MPO) package 141.	
MSCD		Mandatory Speed Call Delimiter	ssc-22
	(NO)	End of dial speed call delimiter is optional	
	YES	A delimiter is required to store the number. A confirmation tone is given if this option is configured. MSCD is prompted with package scc-1.	
MSG1	a...a	Set-to-Set Message Where: a...a = <CR> keeps current message a...a = <text string> is the new message to be displayed (up to 24 characters)	basic-25.4
MSG2	a...a	Set-to-Set Message Where: a...a = <CR> keeps current message a...a = <text string> is the new message to be displayed (up to 24 characters)	basic-25.4
MSG3	a...a	Set-to-Set Message Where: a...a = <CR> keeps current message a...a = <text string> is the new message to be displayed (up to 24 characters)	basic-25.4

Prompt	Response	Comment	Pack/Rel
MSG4	a...a	Set-to-Set Message Where: a...a = <CR> keeps current message a...a = <text string> is the new message to be displayed (up to 24 characters)	basic-25.4
MSG5	a...a	Set-to-Set Message Where: a...a = <CR> keeps current message a...a = <text string> is the new message to be displayed (up to 24 characters)	basic-25.4
MSG6	a...a	Set-to-Set Message Where: a...a = <CR> keeps current message a...a = <text string> is the new message to be displayed (up to 24 characters)	basic-25.4
MSG7	a...a	Set-to-Set Message Where: a...a = <CR> keeps current message a...a = <text string> is the new message to be displayed (up to 24 characters)	basic-25.4
MSG8	a...a	Set-to-Set Message Where: a...a = <CR> keeps current message a...a = <text string> is the new message to be displayed (up to 24 characters)	basic-25.4

Prompt	Response	Comment	Pack/Rel
MSG9	a...a	Set-to-Set Message Where: a...a = <CR> keeps current message a...a = <text string> is the new message to be displayed (up to 24 characters)	basic-25.4
MSG10	a...a	Set-to-Set Message Where: a...a = <CR> keeps current message a...a = <text string> is the new message to be displayed (up to 24 characters)	basic-25.4
MSSC	a	a = any alphanumeric character Manufacturer-specific service character for Message Waiting Notification.	dmwi- 23
MTAR	(NO) YES	Disable Meridian Mail Trunk Access Restriction Enable Meridian Mail Trunk Access Restriction MTAR is prompted if OPT = MCI and Message Center (MWC) package 46 is equipped.	mwc-22
MURT	0-511 X	Music Route Prompted if WAIT = MUS. To remove.	mus-1
MUS	(NO) YES	Music for Sets Prompted with Enhanced Music (EMUS) package 119.	emus-12
MUSR	(0)-511	Music Route for Sets The default is route “0” which is not normally a music route. Enter X to remove. Prompted if MUS = YES.	emus-12

Prompt	Response	Comment	Pack/Rel
MWFB	(NO) YES	DID calls to busy telephones routed to Message Center Prompted with Message Waiting Center (MWC) package 46 and when OPT = MCI.	mwc-1
MWNS	(NO) YES	Message Waiting Indication DPNSSI Non Specified Information string to recognize.	dmwi- 23
NAS_ ACTV	(YES) NO	Network Attendant Service routing Activated	nas-20
NAS_ ATCL	(YES) NO	Network Attendant Service Attendant Control allowed	nas-20
NATC	x	National Access Code for CS 1000S, Where: x = 1 for Canada	basic-2
NAUT	YES	Network Authorization Code prompt is given for every leg of a conference.	naut-1
	(NO)	Network Authorization Code prompt is given for first leg of a conference.	
NBLK	(OVF OVF OVF ATN)	NARS/BARS blocked calls	esn-1
NCOS	(0)-99	Network Class of Service for all Attendant consoles in this customer. Prompted with Network Class of Service (NCOS) package 32.	ncos-1
NCS1	(0)-99	Network Class of Service	ncos-1
NCS2	(0)-99	Network Class of Service	ncos-1

Prompt	Response	Comment	Pack/Rel
NDID	(NO) YES	No Answer non-DID calls routed to Message Center Prompted with Message Waiting Center (MWC) package 46 and when OPT = MCI.	mwc-1
NET_DATA	(NO) YES	Change ISDN and ESN networking options	basic-21
NFCR		New Flexible Code Restriction	nfcr-1
	(NO)	Do not enable New Flexible Code Restriction	
	YES	Enable New Flexible Code Restriction To build an IDC table in LD 49, NFCR and IDCA must be set to YES. NFCR is prompted with New Flexible Code Restriction (NFCR) package 49.	
NFNA	(0)-63	Night Forward No Answer ring cycles The number of times a DID/DOD and CO trunk call will ring a set before being disconnected during Night Service. Prompted if OPT = DNCA.	afna-14
NFNS	(0)-504	Night Forward No Answer Seconds If a value is entered for this prompt all outgoing CO/DOD trunk calls in a waiting state, and all incoming CO/DID trunk calls in the answered state will be disconnected after the time in seconds expires as entered in this prompt. The entered value must be a multiple of 8. Prompted if OPT = DNCS.	afna-14
NINV	(OVF OVF OVF ATN)	Invalid NARS/BARS call	esn-1
NIPN	2-(8)	Number of Intercept Positions that can be configured	icp-14
NIT	2-(8)	Network Alternate Route Selection (NARS) Interdigit Timer	
NIT_DATA	(NO) YES	Change Night Service options	basic-21

Prompt	Response	Comment	Pack/Rel
NIT1	x...x	First Night Service DN by time of day DN can be defined as a PLDN Up to four night service DNs can be defined. The time of day is specified by the prompts TIM1 to TIM4. A Group Hunt pilot DN can be entered. Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150.	basic-12
NIT2	x...x	Second Night Service DN by time of day DN can be defined as a PLDN	basic-12
NIT3	x...x	Third Night Service DN by time of day DN can be defined as a PLDN	basic-12
NIT4	x...x	Fourth Night Service DN by time of day DN can be defined as a PLDN	basic-12
NIT5	x...x	Network Alternate Route Selection Interdigit Timer	fnp-20
NITR	(OVF OVF OVF ATN)	NARS/BARS invalid translation	esn-1
NNT	0-253	Night Number Table Speed Call List number designated to be used as the Night Number Table	ens-20
NOTI	(NO) YES	Non Specified Information string for Message Waiting Notification.	dmwi- 23

Prompt	Response	Comment	Pack/Rel
NPI	E163	Numbering Plan based on E163	isdn-24
	E164	Numbering Plan based on E164	
	NATL	National	
	PRIV	Private	
	TELX	Telex	
	UNKN	Unknown	
	X121	Data X121	
NRES	(OVF OVF OVF ATN)	NARS/BARS calls which are restricted by Supplemental Digit Restriction (SDRR) intercept treatment. See prompt INTR for details.	esn-1
NRWU	2-(5)	Number of Rings for Wake Up before recall to attendant	awu-10
NSCP	(NO) YES	Network Station Camp-On to sets on this node allowed	sco-20
NSO	0-9	Night Service Option number	ens-20
NWT	(NO) YES	Night Call Waiting Tone enabled	ens-20
OAS_DATA	(NO) YES	Change Off-Hook Alarm Security options	basic-21
OCB1		Outgoing Call Barring level 1	basic-21
	(0)–[MAXT-1]	NFCR tree number to be used for OCB level 1. You may enter any digit between zero and your response to the MAXT prompt minus one. The default entry to OCB1 is zero (0).	
	255	255 is a special entry which disallows this level.	
OCB2		Outgoing Call Barring level 2	basic-21
	(0)–[MAXT-1]	NFCR tree number to be used for OCB level 2. You may enter any digit between zero and your response to the MAXT prompt minus one. The default entry to OCB2 is zero (0).	

Prompt	Response	Comment	Pack/Rel
	255	255 is a special entry which disallows this level.	
OCB3		Outgoing Call Barring level 3	basic-21
	(0)–[MAXT-1]	NFCR tree number to be used for OCB level 3. You may enter any digit between zero and your response to the MAXT prompt minus one. The default entry to OCB3 is zero (0).	
	255	255 is a special entry which disallows this level.	
OCLI	(NO)	NO manipulation is done on outgoing CLID for calls forwarded to EuroISDN link.	basic-23
	EXT	Last forwarding DN is sent as CLID information for incoming UIPE DID or CO calls landing on G/W node and forwarded back to this link.	
	ALL	The scenario described above still applies. Moreover, last forwarding DN is sent as CLID for internal calls on ISDN tie except DPNSS (MCDN/QSIG.) or local calls (Sets) redirected from G/W node to UIPE DID or CO link. If the redirection does not occur on G/W node, redirecting information number is sent as CLID if present in the incoming SETUP message received on G/W node from private network.	
ODN0	xxxx	OHAS Security DN for zone 0	basic-18
ODN1	xxxx	OHAS Security DN for zone 1	basic-18
ODN2	xxxx	OHAS Security DN for zone 2	basic-18
ODN3	xxxx	OHAS Security DN for zone 3	basic-18
ODN4	xxxx	OHAS Security DN for zone 4	basic-18
ODN5	xxxx	OHAS Security DN for zone 5	basic-18

Prompt	Response	Comment	Pack/Rel
ODN6	xxxx	OHAS Security DN for zone 6	basic-18
ODN7	xxxx	OHAS Security DN for zone 7	basic-18
ODN8	xxxx	OHAS Security DN for zone 8	basic-18
ODN9	xxxx	OHAS Security DN for zone 9	basic-18
OHAS	(NO) YES	Off-Hook Alarm Security Enter X to remove the OHAS DNs for the following zones.	basic-18
OMPH	(NO) YES	CDR for outgoing packet data call This is the Call Detail Records for an outgoing packet data call from the Meridian Packet Handler to the Public Switched Packet Data Network	mph-19
OPT	aaa	Options Multiple options separated by spaces are allowed in response to the OPT prompt. The last option must be followed by a carriage return <CR>. The <CR> inputs the options selected and is followed by either the next prompt or a system message.	basic-1
	(ABDD) ABDA	Attendant Busy Display Denied Attendant Busy Display Allowed Only with International Supplementary Features (SUPP) package 131.	supp-6
	(AHD) AHA	Autohold on Loop Key Denied Autohold on Loop Key Allowed Only with International Supplementary Features (SUPP) package 131.	misop-20

Prompt	Response	Comment	Pack/Rel
	(AMD)	Attendant Monitor Denied	china-21
	AMA	Attendant Monitor Allowed Only with China Attendant Monitor (CHINA) package 285.	
	(ATDA)	Attendant Through Dialling Allowed.	basic- 23
	ATDD	Attendant Through Dialling Denied.	
	(BIND)	Break-In Indication Denied	bki-9
	BBIN	Basic Break-In Indication	
	EBIN	Extended Break-In Indication Only with Attendant Break-In (BKI) package 127.	
	(BIXA)	Break-In to external call Allowed	bki-9
	BIXD	Break-In to external call Denied Only with Attendant Break-In (BKI) package 127.	
	(BLA)	Break-In to Line Lockout Set Allowed	bki-9
	BLD	Break-In to Line Lockout Set Denied Only with Attendant Break-In (BKI) package 127.	
	(BOHD)	Position Busy with Calls on Hold Denied	supp-6
	BOHA	Position Busy with Calls on Hold Allowed Only with International Supplementary Features (SUPP) package 131.	
	(BWTD)	Breakin Warning Tone Denied	ponw-25.4
	BWTA	Breakin Warning Tone Allowed	
	(CCBD)	Collect Call Blocking Denied	ccb-21
	CCBA	Collect Call Blocking Allowed	

Prompt	Response	Comment	Pack/Rel
	(CFO)	Call Forward Originating	basic-1
	CFF	Call Forward Forwarding Either the Originating or Forwarding party's Class of Service is used to determine access to services or features on Call Forward.	
	(CFRD)	Call Forward Reminder tone for 500/2500 telephone	cfrt-19
	CFRA	Call Forward Reminder tone for 500/2500 telephone	
	(CHDD)	Charge Display Denied at end of call	supp-16
	CHDA	Charge Display Allowed at end of call	
	(COX)	Central Office call No Priority for Ringing	dcp-12
	COP	Central Office call Priority for Ringing Number Pickup or RNPU and Group Call Pickup GPUA	
	(CPD)	Call Park Denied	cpk-2
	CPA	Call Park Allowed. Call Park (CPRK) package 33 must be equipped.	
	CPN	CPN enables the Call Park Network wide (CPRKNET) option. CPRKNET package 306 must be equipped.	
	(CTD)	Camp-On Tone Denied	basic-1
	CTA	Camp-On Tone Allowed	
	(CUI)	CI lamps show Attendant Console Group (ACG) information for incoming calls	coop-14
	MTI	CI lamps show Multi-Tenant Service (MTS) information for incoming calls Only with Console Operations (COOP) package 169	
	(CWRD)	CFNA treatment for Call Waiting calls on a DN Denied	basic-21
	CWRA	CFNA treatment for Call Waiting calls on a DN Allowed	

Prompt	Response	Comment	Pack/Rel
	(CXOD)	No Override of Call Forward External	
	CXOA	Overrides Call Forward External Denied (CFXD) to allow call forward to a CDP Distant Steering Code (DSC)	
	(DBD)	Flexible Incoming Tones Denied on digital sets	basic-14
	DBA	Flexible Incoming Tones Allowed on digital sets	
	(DNCA)	If DNCA is entered, all DID/CO or DOD calls are disconnected after the number of ring cycles defined by the response to the NFNA prompt while the system is in Night Service.	afna-14
	DNCS	If DNCS is entered, outgoing CO/DOD calls or incoming CO/DID calls in the answered state, and waiting on a set are disconnected after the number of seconds defined in response to the NFNS prompt expires. Only with Attendant Forward No Answer (AFNA) package 134.	
	(DNX)	ACD Dialed Number Identification Service feature excluded	dnis-10
	DNI	ACD Dialed Number Identification Service feature Included Only with Dialed Number Identification Service (DNIS) package 98	
	(DRE)	Queue thermometer REST Excludes Inter-Attendant calls, Recalls and Metered calls	coop- 5
	DRT	Queue thermometer REST Includes Inter-Attendant calls, Recalls and Metered calls Only with Console Operations (COOP) package 169	
	(DSX)	Data Services or server IS Excluded	bkil-8
	DSI	Data Services or server IS Included	

Prompt	Response	Comment	Pack/Rel
		Only with Attendant Break-In (BKI) package 127.	
	(DSTD)	DID call to Second degree busy Treatment Denied	supp-6
	DSTA	DID call to Second degree busy Treatment Allowed If Allowed DID calls forwarded to a busy set are disconnected. If Denied DID calls forwarded to a busy set follow the set's CLS (FBA/FBD) treatment. Only with International Supplementary Features (SUPP) package 131.	
	(FACD)	Flexible Attendant Call Waiting (ACW) thresholds Denied	supp-15
	FACA	Flexible Attendant Call Waiting (ACW) thresholds Allowed If allowed, the Call Waiting thresholds are expressed as a percentage of the active consoles.	
	(FKA)	Forward Key Allowed	basic-6
	FKD	Forward Key Denied	
	(HLPD)	Individual Hold Lamp Option Denied.	dhld- 23
	HLPA	Individual Hold Lamp Option Allowed.	
	(HRLD)	Individual Hold Release Option Denied.	dhld- 23
	HRLA	Individual Hold Release Option Allowed.	
	(HTU)	Hot Line access Unrestricted	hot-10
	HTR	Hot Line access Restricted If Restricted only Hot Line calls may terminate on Hot Line DNs. Only with Enhanced Hot Line (HOT) package 70.	
	(HVD)	Handsfree Voice call Denied	hva-19
	HVA	Handsfree Voice call Allowed	

Prompt	Response	Comment	Pack/Rel
		Incoming Call Indicator key/lamp strips	basic-1
	(IC1)	One key/lamp strip = 10 ICIs	
	IC2	Two key/lamp strips = 20 ICIs	
	(IHD)	Individual Hold Denied	basic-1
	IHA	Individual Hold Allowed	
	(LLCD)	Line Load Control commands in LD 2 Denied	llc-10
	LLCA	Line Load Control commands in LD 2 Allowed	
	(LOD)	Lockout Denied	basic-1
	LOA	Lockout Allowed LOA locks an attendant out of re-entering an established call on the console Hold key. The attendant can override with the Barge-In feature.	
	(LRD)	Last Number Redial Denied	lnr-8
	LRA	Last Number Redial Allowed Only with Last Number Redial (LNR) package 90.	
	(MCTD)	Malicious Call Trace signal Denied	mct-10
	MCTA	Malicious Call Trace signal Allowed Only with Malicious Call Trace (MCT) package 107	
	(MCX)	Message Center Excluded	mwc-1
	MCI	Message Center Included	
	(MWUD)	Message Waiting Unconditional Denied	ffc-14
	MWUA	Message Waiting Unconditional Allowed	
	(NCD)	When an Attendant Console Group (ACG) is in Night Service, redirection of attendant calls is denied.	coop-5
	NCA	When an Attendant Console Group (ACG) is in Night Service, redirection of attendant calls is allowed. Only with Console Operations (COOP) package 169.	

Prompt	Response	Comment	Pack/Rel
	(PCMD)	Periodic Clearing with Meridian Mail Denied	nas-14
	PCMA	Periodic Clearing with Meridian Mail Allowed Must have PCMA to output PCMM prompt in LD 23. Requires International Supplementary Features (SUPP) package 131 and Network Attendant Services (NAS) package 157.	
	(PSD)	Presentation Status selection Denied on attendant consoles	coop- 5
	PSA	Presentation Status selection Allowed on attendant consoles Only with Console Operations (COOP) package 169	
	(PVCA)	Prevention of reciprocal Call Forward Allowed	arfw-20
	PVCD	Prevention of reciprocal Call Forward Denied	
	(RECA)	Attendant calls will be redirected when all but one console is busy.	coop-5
	RECO	Attendant calls will be redirected when all consoles are busy. ***Note:*** Attendant calls will also be redirected when there is no presentation status to other consoles in the console group. Console Operations (COOP) package 169 is required.	
	(REA)	Release on Exclusion Allowed	misop-20
	RED	Release on Exclusion Denied	
	(RND)	Ring Again No Answer Denied	misop-20
	RNA	Ring Again No Answer Allowed	

Prompt	Response	Comment	Pack/Rel
	(ROX)	Recorded Overflow Announcement Excluded	roa-2
	ROI	Recorded Overflow Announcement Included This treatment applies exclusively to congested consoles with Recorded Overflow Announcement (ROA) package 36.	
	(RTD)	Coordinated Dialing Plan routing feature Denied	cdp-15
	RTA	Coordinated Dialing Plan routing feature Allowed RTA allows DID routing with Distant Steering Codes over CO and WATS trunks. Only with Call Detail Recording (CDP) package 59.	
	(RTR)	Terminating side of call determines ringing or buzzing cadence used	ftc-14
	ROR	Originating side of call determines ringing or buzzing cadence used Only with Flexible Tones and Cadences (FTC) package 125.	
	(SBD)	Flexible Incoming Tones Denied for SL-1 telephones	ftc-14
	SBA	Flexible Incoming Tones Allowed for SL-1 telephones Only with Flexible Tones and Cadences (FTC) package 125.	
	(SDDE)	Single Digit Access to Hotel Services (Denied) Allowed	supp-6
	SDAL	Single Digit Access to Hotel Services (Denied) Allowed Only with International Supplementary Features (SUPP) package 131.	
	(SIAD)	Source Included when Attendant dials Denied	supp-18
	SIAA	Source Included when Attendant dials Allowed	
	(SLD)	Slow Answer Recall Enhancement Denied	supp-6
	SLA	Slow Answer Recall Enhancement Allowed Only with International Supplementary Features (SUPP) package 131.	

Prompt	Response	Comment	Pack/Rel
	(SYD)	Secrecy Denied	basic-1
	SYA	Secrecy Allowed	
	EHS	Enhanced Secrecy Allowed	
	(THPD)	ACD Threshold Percentage Denied	supp-5
	THPA	ACD Threshold Percentage Allowed Only with International Supplementary Features (SUPP) package 131.	
	(TOA)	Attendant Monitor Tone Allowed	china-21
	TOD	Attendant Monitor Tone Denied Only with China Attendant Monitor Package (CHINA) package 285.	
	(TTAD)	Time To Answer and Abandoned call records Denied	fcdr-8
	TTAA	Time To Answer and Abandoned call records Allowed Only with New Format CDR (FCDR) package 234.	
	(VOBD)	Make Set Busy and Voice Call Override Enhancement Denied	basic-20
	VOBA	Make Set Busy and Voice Call Override Enhancement Allowed	
	(XBL)	Exclude Enhanced Busy Lamp Field	dcon-15
	IBL	Include Enhanced Busy Lamp Field IBL and ILF cannot be used together. Only with M2250 Attendant Console (DCON) package 140.	
	(XDP)	Exclude Digit Display	ddsp-1
	IDP	Include Digit Display	
	(XLDN)	Network-wide LDN denied	nldn-20
	NLDN	Network-wide LDN allowed	

Prompt	Response	Comment	Pack/Rel
	(XTG)	Exclude key/lamp expansion module	basic-1
	ITG	Include key/lamp expansion module Used as Trunk Group Busy field or supervisory lamp field	
OTCR	(NO) YES	CDR provided, based on Originally Dialed Trunk Route	supp-14
PANI	(NO) YES	M911 Pseudo ANI display where: • No = no display pseudo ANI • Yes = display pseudo ANI	basic-25
PBLK		Call presented has higher precedence.	basic-21
	(ATN)	Attendant	
	RAN	Ran trunk	
	CPAS	Central Precedence answering station	
	OVF	Overflow tone	
PBUZ	xx yy	Priority Buzzing cadence for IADN and Code Blue calls. xx - priority buzz-on phase yy - priority buzz off phase Range is from 2 to 16 seconds. If the value entered is an odd number between 2 and 16, it is truncated to the next lowest even integer.	basic- 23
PCA	(OFF) ON	Personal Call Assistant, where: OFF = Turns PCA off at the customer level ON = Turns PCA on at the customer level ***Note:*** Configuration of the PCA is preserved and enabled regardless of whether or not the feature is enabled.	pca-3.0
PCDL	(NO) YES	PPM output on CDR Link. An additional three words will be added to tape record.	supp-15

Prompt	Response	Comment	Pack/Rel
PCDS	(NO)	Programming of Control Digits is not required	mpo-20
	YES	Programming of Control Digits is required	
PCMC	0-(15)-31	Pulse Code Modulation Conversions permitted in a network connection, µ-Law to A- Law or A- Law to µ-Law, in a network connection	esn-14
PELK	(NO)	Do not enable Electronic Lock on Private Lines	ffc-21
	YES	Enable Electronic Lock on Private Lines	
PFAN		Intercept if dialed DN fails to answer (Call waiting)	basic-21
	(ATN)	Attendant	
	RAN	Ran trunk	
	CPAS	Central Precedence answering station	
PFNA		Intercept if dialed DN fails to answer	basic-21
	(ATN)	Attendant	
	RAN	Ran trunk	
	CPAS	Central Precedence answering station	
PFX1	x...x	Prefix 1. Prefix or area code for International PRA. First element of Calling Party Number. PFX1 + PFX2 + DN cannot exceed 8 numbers for AXE-10. Prompted with International Primary Rate Access (IPRA) package 202.	pri2-15
PFX2	x...x	Prefix 2. Central Office Prefix for International PRA. Second element of Calling Part Number. PFX1 + PFX2 + DN cannot exceed 8 numbers for AXE-10. Prompted with International Primary Rate Access (IPRA) package 202.	pri2-15

Prompt	Response	Comment	Pack/Rel
PHDT	1-(30)-63	Permanent Hold Timer Number of two second intervals between reminders, for example: 30 = 60 seconds. If Audible Reminder of Held Calls (ARHC) is enabled then DBRC takes precedence over PHDT. Prompted with 2500 Set Features (SS25) package 18.	ss25-4
PHIP		Precedence dialed is higher than allowed.	basic-21
	(ATN)	Attendant	
	RAN	Ran trunk	
	CPAS	Central Precedence answering station	
	OVF	Overflow tone	
PICP		Intercept treatment if called party cannot be preempted.	basic-21
	(ATN)	Attendant	
	RAN	Ran trunk	
	CPAS	Central Precedence answering station	
	OVF	Overflow tone	
PINT	(NO) YES	Change precedence Intercept treatment.	basic-21
PINX_DN	xx...x	Node DN	basic-21
PKND	(1)-3	Number of digits Dialed for Group Pickup	dcp-12
	(1)-4	Prompted with Directed Call Pickup (DCP) package 115. To determine the number of digits, count the number of digits of the highest number RNPG group.	

Prompt	Response	Comment	Pack/Rel
PNI	1-16283	Private Network Identifier Each customer data block must have a unique PNI when multi-customer option is equipped. The PNI in the CDB functions as a logical customer number for routing incoming non-call-associated Transaction Capability Application Part (TCAP) facility messages to the appropriate ESN translations. PNI = 1 is typical for customer 0. It must be matched by the PNI in the far end RDB. Default PNI = 0 prevents the operation of features such as NRAG, NACD and NMS. Within one network, use the same value for PNI in both LD 15 and LD 16. When inter-working with different networks, the LD 15 PNI is for the local system and the LD 16 PNI is for the target or remote switch. ***Note:*** Requires package 148 (NTWK)	
PORT	0-15 <CR>	CDR port Stop PORT prompt To remove a CDR port, change CDR = NO. Exit and re-enter LD 15, select CDR = YES, then add only the desired CDR port numbers. Precede with X to remove.	cdr-1
	(0)-15	Serial Data Interface Port Monitor (Features and Options Data Block) One Serial Data Interface Port Monitor per customer is recommended.	
PPMD	(YES) NO	Periodic Pulse Metering Prompted with Message Registration (MR) package 101.	mr-10
PPM_DATA	(NO) YES	Change Periodic Pulse Metering options	basic-21

Prompt	Response	Comment	Pack/Rel
PREF	0-9999	Up to 4 digit Access Prefix for a unique NPI/TON combination in the table.	isdn-24
	#	Wild character for replacement of any digit. The entry of # for wild card character will be stored as *.	
	X	Reset the access prefix value to nil	
PREO		Pretranslation Option	pxlt-8
	(0)	Disabled	
	1	Enabled To enable the Pretranslation feature, the Pretranslation data block or Calling Group to Speed Call correlation must be configured in LD 18. Prompted with Pretranslation (PXLT) package 92.	
PRMT	aaa	aaa = sequence of any alphanumeric character. max of 126 characters. Subsequent Non Specified Information parameters for Message Waiting notification. 'PRMT" is re-prompted until <CR> is entered, then the next prompt 'CANC' is prompted.	dmwi- 23
PRNG	0 - (40) - 60	Precedence ringback timer in seconds.	atvn-25.47
PRMT	0 - (60)-120	Duration of preemption tone before set goes to line lock out.	atvn-25.47
PSTN	(NO) YES	Public Service Telephone Networks Limit the number of PSTNs allowed in a network connection to one PSTN. The default (NO) puts no limit on the number of PSTN connections.	isdn-14
PTTY	(0)-15	PPM TTY number for printing meters (one per switch) Precede with X to remove.	mlwu-16

Prompt	Response	Comment	Pack/Rel
		Prompted with Multi Language Wake Up (MLWU) package 206. TTY must be defined with USER = BGD in LD 17.	
PWD_DATA	(NO) YES	Customer related passwords	basic-21
PWD2	x...x	Second level administration Password Password length is 4-16 characters and is defined in LD 17. The SPWD password is not updated unless the PWD2 password is entered correctly. PWD2 must be entered before new ATAC is accepted.	basic-1
R2BN	0-23 0-59	RAN2 Begin time	awu-10
R2ED	0-23 0-59	RAN2 End time	awu-10
RALL	(NO)	Mandatory Recall is not required prior to dialing control digits	mpo-20
	YES	Mandatory Recall is required prior to dialing control digits	
RAN1	x...x	Primary Ran route, where: • x...x = 0-127 for Small system, CS 1000S, MG 1000B and MG 1000T • x...x = 0-511 for Large system and CS 1000E Use RAN1 as the Primary route for Language 0 in a Multi Language AWU application. The route must be unique. TYPE must = AWR in LD 16.	mpo-20
RAN2	x...x	Secondary RAN route, where: • x...x = 0-127 for Small system, CS 1000S, MG 1000B and MG 1000T • x...x = 0-511 for Large system and CS 1000E Use RAN2 as the Secondary route for Language 0 in a Multi Language AWU application. The route must be unique. TYPE must = AWR in LD 16.	mpo-20

Prompt	Response	Comment	Pack/Rel
RANF	x...x	Music route, where: • x...x = 0-127 for Small system, CS 1000S, MG 1000B and MG 1000T • x...x = 0-511 for Large system and CS 1000E TYPE must = AWR in LD 16.	awu-10
RANR	x...x	RAN Route number, where: • x...x = 0-127 for Small system, CS 1000S, MG 1000B and MG 1000T • x...x = 0-511 for Large system and CS 1000E	ran-1
RCLE	(ATN OVF ATN ATN)	Redirection Count Limit Exceeded as defined by TRCL ATN is not allowed for attendant calls. NAP is not allowed for any field for RCLE.	isdn-15
RCNT	0-(1)-5	Redirection Count for ISDN calls Maximum number of inter-node hops allowed in a network redirection call, only enforced when ISDN = YES. This field must be set to greater than 0 for a network redirection to take place.	esn-14
RCY1	1-(6)-15	Number of Cycles of Re-ringing before forwarding to attendant or disconnecting. Applies only if RGNA = DAR or AAR.	mpo-20
RCY2	1-(4)-15	Number of Cycles of Ringing before forwarding to transferring station Valid only for the RGNA option.	mpo-20
RDR_DATA	(NO) YES	Change Call Redirection	basic-21
RECD	(NO) YES	Malicious Call Trace Recorder is not activated Malicious Call Trace Recorder is activated Not prompted when defining a new customer.	emct-20

Prompt	Response	Comment	Pack/Rel
REF0	xxxx	DN for Reference trunk 0	basic-1
REF1	xxxx	DN for Reference trunk 1	basic-1
REF2	xxxx	DN for Reference trunk 2	basic-1
REF3	xxxx	DN for Reference trunk 3	basic-1
R_ENTRY	aa	ANI entry for an incoming route to be created or modified	cist-24
	Xaa	ANI entry for an incoming route to be deleted	
	Xaa Xbb	ANI entries for an incoming between aa and bb to be deleted.	
	<CR>	Exit	
		This prompt is repeated until <CR> is entered as response.	
		ANI entries must be between 0 and (R_SIZE-1).	
		For REQ=NEW, only default table 0 is configurable.	
		An R-ENTRY can be deleted even if still configured on an incoming route.	
REQ:		Request	basic-1
		A colon following a prompt indicates enhanced processing. Enhanced processing allows a user to either view a list of possible responses or input an abbreviated response.	
	?	Get a list of possible responses	
	CHG	Change existing data block	
	END	Exit overlay program	
	NEW	Add new data block to the system	

Prompt	Response	Comment	Pack/Rel
	OUT	Remove data block	
		The REQ prompt will appear under the NET: Networking gate opener and the following responses will be valid with respect to the DPNSSI Message Waiting Indication feature.	dmwi- 23
	(NEW)	Create a new Message Waiting Indication Non Specified Information table.	
	CHG	Change a Message Waiting Indication Non Specified Information table.	
	OUT	Delete a Message Waiting Indication Non Specified Information table.	
RGNA	xxx yyy	Ringing No Answer treatment Where xxx is for internal calls and yyy is for external calls. Valid entries for xxx and yyy are: • AAR - Forward to Attendant or Night Service after re-ringing for RCY1 cycles • ATN - Forward to Attendant or Night Service • DAR - Disconnect After Re-ringing for RCY1 cycles • DIS - Disconnect • OVF - provide Overflow Tone • (STD) - Standard Operation (this is the default)	mpo-20
RICI	xx	ICI key numbers that may receive ROA Where: x = 0-9 if OPT = IC1 or 0-19 if OPT = IC2 Precede with X to remove.	roa-2
RLA	0-511	Release Link route number. Route 31 can be designated an exclusively private route in LD 16.	casr-1
RLCR	0-511	Relocation FFC Error RAN number	supp-16
	X	To disable the RAN	
RLI	0-999	Route List Index	fnp-20

Prompt	Response	Comment	Pack/Rel
ROA_DATA	(NO) YES	Change Recorded Overflow Announcement	basic-21
ROPT	(NRO)	No Route Optimization This option may be used to suppress Route Optimization on switches which already have high traffic.	dnwk-16
	RAX	Route optimization is performed on calls which have experienced alternative routing, been transferred or have been extended by an attendant.	
	ROA	Route Optimization after Alternative routing	
	ROX	Route Optimization after Transfer and extension by an attendant	
RPA	(NO) YES	Radio Paging Allowed	rpa-20
RPNS	(NO) YES	Recall with Priority during Night Service	supp-15
RR	0-511	RAN route number.	ran-1
R_SIZE	1-512	Maximum number of ANI entries that can be configured for incoming routes. If <CR> is entered when REQ=NEW (new customer, it defaults to 1. After conversion it defaults to the number of ANI entries for incoming route created during conversion. The R_SIZE can’t be decreased if the entries are not empty	cist-24

Prompt	Response	Comment	Pack/Rel
RTIM	xxx yyy zzz	Recall. Where: • xxx = 0-(30)-378 (for Slow-Answer) • yyy = 0-(30)-510 (for Camp-On) • zzz = 0-(30)-510 (for Call waiting) These timers indicate in seconds the elapsed time before attendant recall. Slow Answer must be a multiple of six seconds while Camp-On and Call Waiting must be a multiple of two seconds, with odd numbers are rounded down. To change one timer all three fields must be input. For recalls timed at the local node using the redirection feature developed for DPNSS, no distinction can be made between Call Waiting calls and Slow-Answer recalls. The Slow-Answer value is used in both cases.	basic-1
RTSA	(RSAD) RSAA RSAX	Recall To Same Attendant Denied Recall To Same Attendant Allowed Recall to Same Attendant allowed, with queuing on busy attendant	rpa-20
SACP	(NO) SNGL ALL	Semi-Automatic Camp-On not allowed Semi-Automatic Camp-On on a per-call basis Semi-Automatic Camp-On for all occurrences Prompted with Semi-Automatic Camp-On (SACP) package 181.	sacp-20
SAMM	(NO) YES	Standalone Meridian Mail. Prompted with Standalone Meridian Mail (SAMM) package 262.	samm-20
SATD	0-(1)-5	Satellite Delays. Number of satellite delays allowed in a network connection.	isdn-14
SBLF	(NO) YES	Standard Busy Lamp Field Prompted when response to SPVC is in the range 1-63.	bacd-8

Prompt	Response	Comment	Pack/Rel
SBUP	(YES) NO	Enable use of station control passwords for set based administration user level access. If SBUP = YES, a user needs to dial the User FFC followed by the Station Control Password to access User Level changes. If SBUP = NO, a user needs to dial only the User FFC.	adminset-21
SCDL		Schedule for printing Message Registration and PPM data	supp-15
	(0)	No scheduled printing	
	1	Daily printout	
	2	Weekly printout	
	3	Monthly printout	
SCPL	0-8	Station Control Password Length Must match network wide. SCPL replaces ELPL prompt. Enter “0” to disable the Electronic Lock (ELK) and Remote Call Forward (RCFW) features. A data dump and SYSLOAD are required to implement a change in the password length.	ffc-15
SDFL	384-(1024)-2048	Signal Destination Flash Timing	basic-21
S_ENTRY	(1)-2000	Entry of ANI table applying to a set	
SIZE	0-(256)-4000	Specify maximum number of CLID entries needed. Recommended Maximum Ranges settings for machine types: • Small System and CS 1000S - 125 entries • Options 51C and 61C - 1000 entries • Option 81C - 4000	isdn-22

Prompt	Response	Comment	Pack/Rel
SPRE	xxxx	Special Prefix number (1-4 digits) Precede with X to remove. The prefix must not conflict with the numbering plan.	basic-1
SPVC		Supervisory console	bacd-8
	(0)	No Supervisor console	
	1-63	Attendant number of Supervisory console Prompted with Supervisory Attendant Console (SPVC) package 93.	
SPWD	xxxx	Secure Data Password Precede with X to remove. This password is entered when using LD 88 for authorization codes and LD 24 for Direct Inward System Access (DISA) block.	disa-1
SRAN	0-511	Second RAN number for second PCR threshold	supp-16
	X	To disable the RAN	
SRCD	(0000)-9999	Set Relocation Security Code Prompted with Set Relocation (SR) package 53. Precede with X to remove.	sr-1
SRRT	0-511	Second RAN Route for ROA.	roa-2
	X	Enter X to remove.	
SRT	2-(40)-2044	Second RAN Time, in seconds before second RAN given	ran-1
S_SIZE	0-2000	Maximum number of ANI entries that can be configured for sets. The SIZE can’t be decreased if the entries are not empty.	
STCB	(NO) YES	Station Camp-On Busy allowed	sco-20

Prompt	Response	Comment	Pack/Rel
STE	(NO) YES	Standard Time Entry not allowed Standard Time Entry allowed. The entry may be 3 or 4 digits long. STE is prompted if WUD = YES.	awu-22
STRG	(#), xxx	String to indicate end-of-dialing Up to three characters are allowed as defined by STRL. Valid entries are: digits 0 through 9, asterisk or *, and octothorpe or #. Default is (#). The default (#) cannot be used with the Outpulsing, Asterisk, and Octothorpe (OPAO) feature package 104.	ffc-15
STRL	1-3	String Length of end-of-dial indicator	ffc-15
T100	xxx...x	DN for Type-100 test line	basic-1
TAWU	1-(3)	Number of Tries for an unanswered AWU call This defines the number of times an unanswered AWU call is presented before recall to the attendant for manual Wake Up calls.	awu-16
TBL	1-15	Table Number	isdn-24
TFDR	(NO) YES	Trunk Failure Display Required Requires M2250 console. Prompted with Trunk Failure Monitor (TFM) package 182.	tfm-15
TGLD	0-(1)-9, *, #	Control digit for Toggle	mpo-20
TGR1	(0)-31	Trunk Group Access Restriction	supp-16
TGR2	(0)-31	Trunk Group Access Restriction	supp-16

Prompt	Response	Comment	Pack/Rel
TIDM		Trunk Identity Meaningful	supp-16
	(NO)	PBX Reference Number is to be displayed without the Trunk Group Reference Number	
	YES	Trunk Group Reference Number of a Trunk Identity (TIDY) in LD 16, is meaningful Prompted with Multi Language Wake Up (MLWU) package 206 and Digital Private Network Signaling System 1 (DPNSS) package 123.	
TIM_DATA	(NO) YES	Change Timers	basic-21
TIM1	hh mm	Hour and Minute for First Night Service DN. Enter the hour and minute for First Night Service DN. Where: hh = 0-23, mm = 0-59 Enter X to remove the time. TIM1 should be set earlier than TIM2, 3 and 4. If no time is entered here, the system assumes a 24-hour clock.	basic-12
TIM2	hh mm	Time for Second Night Service DN	basic-12
TIM3	hh mm	Time for Third Night Service DN	basic-12
TIM4	hh mm	Hour and Minute for Fourth Night Service DN For all of the entries in the Night Service Time of Day (NSTOD) feature, entering X for the DN deletes the existing value for that entry. Entering <CR> allows the user to select an existing entry, or skip to another entry.	basic-12
TIME	0-(15)	Malicious Call Trace Alarm Time	emct-20
TMON	(NO) YES	Traffic Monitoring Prompted with Multi Language Wake Up (MLWU) package 206 and Traffic Monitoring (TMON) package 168.	mlwu-14

Prompt	Response	Comment	Pack/Rel
TN1		Terminal Number	basic-3.0
	l s c u	For Large Systems	
	c u	For Small Systems and CS 1000S	
		Enter X to delete	
TN2		Terminal Number	basic-3.0
	l s c u	For Large Systems	
	c u	For Small Systems and CS 1000S	
		Enter X to delete	
TN3		Terminal Number	basic-3.0
	l s c u	For Large Systems	
	c u	For Small Systems and CS 1000S	
		Enter X to delete	
TN4		Terminal Number	basic-3.0
	l s c u	For Large Systems	
	c u	For Small Systems and CS 1000S	
		Enter X to delete	
TN5		Terminal Number	basic-3.0
	l s c u	For Large Systems	
	c u	For Small Systems and CS 1000S	
		Enter X to delete	
TN6		Terminal Number	basic-3.0
	l s c u	For Large Systems	
	c u	For Small Systems and CS 1000S	
		Enter X to delete	

Prompt	Response	Comment	Pack/Rel
TNDM	0-(15)-31	Tandem threshold/loop avoidance limit This is the value permitted in a network connection. If the value entered is greater than 25, then 25 will be used for DPNSS calls. Prompted when Integrated Services Digital Network (ISDN) package 245 and ISDN Supplementary Features (ISDN INTL SUP) package 161, or Digital Private Signaling System Network Services (DNWK) package 231 is equipped.	isdn-14
TON	ECDP ELOC ESPN INTL LOCL NATL UNKN	ESN_CDP ESN_LOC ESN_SPN International Local National Unknown	isdn-24
TPDN	yyyy	Target PCA DN, where: yyyy = the primary DN TPDN is prompted only if PCA is set to ON. If there is no DN configured against the HOT P key in LD 11, this value is used to extend the call using the PCA feature. Enter X to remove. However, if there is at least one PCA with no target DN configured in LD 11, then this operation does not succeed.	pca-3.0
TRCL	(0)-7	Total Redirection Count Limit Number of times that a call can be redirected before being intercepted. (0) means that redirection is not limited by this feature, but is limited by various configurations.	isdn-15

Prompt	Response	Comment	Pack/Rel
TRCR	(NO) YES	Carriage Return sent after each CDR message	cdr-1
TRNX	(NO)	Prevent transfer on ringing of supervised external trunks across a private network	basic-22
	YES	Allow transfer on ringing of supervised external trunks across a private network	
TST_DATA	(NO) YES	Change Test lines	basic-21
TST0	xxxx	DN for Test Trunk 0	basic-1
TST1	xxxx	DN for Test Trunk 1	basic-1
TST2	xxxx	DN for Test Trunk 2	basic-1
TST3	xxxx	DN for Test Trunk 3	basic-1
TSTL	(NO) YES	Test Lines for this customer Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. The following prompts are used for transmission testing. Refer to NTP 553-2001-325 Transmission Capabilities.	basic-1
TTBL	(0)-31	Tone Table number Table 0, North American default values, is created when the first customer is created. Refer to the *Flexible Tone and Digit Switches* NTP for other tables. Prompted with Flexible Tones and Cadences (FTC) package 125.	ftc-13

Prompt	Response	Comment	Pack/Rel
TYPE:		Type of data block	basic-1
	CDB	Customer Data Block	
	DEFAULT	Default Customer Data Block (when REQ = NEW)	
	?	Get list of possible responses	
		You may directly access a given data block by entering the first three or all the letters of one of the responses listed below.	
		A colon following a prompt indicates enhanced processing. Enhanced processing allows a user to either view a list of possible responses or input an abbreviated response.	
		You may view the revised *Prompts and responses* sequence for LD 15 on page 270.	
		Gate openers:	
	AML_DATA	Application Module Link options	
	ANI_DATA	Automatic Number Identification numbers	
	ATT_DATA	Attendant Console options	
	AWU_DATA	Automatic Wake Up options	
	CAS_DATA	Centralized Attendant Service options	
	CCS_DATA	Controlled Class of Service options	
	CDR_DATA	CDR and Charge Account options	
	FCR_DATA	New Flexible Code Restriction options	
	FFC_DATA	Flexible Feature Code options	
	FTR_DATA	Features and options	
	HSP_DATA	Hospitality Management options	
	ICP_DATA	Intercept Computer update	
	IMS_DATA	Integrated Message Service options	
	INT_DATA	Intercept treatment options	
	LDN_DATA	Departmental Listed Directory Numbers	
	MON_DATA	Set-based monitoring	
	MPO_DATA	Multi-Party Options	
	NET_DATA	ISDN and ESN Networking options	
	NIT_DATA	Night Service options	

Prompt	Response	Comment	Pack/Rel
	OAS_DATA	Off-Hook Alarm Security options	
	PPM_DATA	Periodic Pulse Metering options	
	PWD_DATA	Customer related Passwords	
	RDR_DATA	Call Redirection	
	ROA_DATA	Recorded Overflow Announcement options	
	TIM_DATA	Timers	
	TST_DATA	Test lines	
UBRI	(OVF NAP NAP NAP)	Universal BRI	basic-20
UCST	(0)-9999	Unit Cost for periodic pulse metering	supp-15
UDPL	1-(19)	Flexible length of Vacant Number Routing (VNR) Uniform Dialing Plan digits (UDP). Enter the maximum number of UDP digits expected by VNR.	fnp-14
UMG	(NO) YES	User to User Messaging enabled	ims-4
USBM	(NO) YES	UIPE Set Based Monitoring Where: (NO) = all previously configured TNs are flushed, and subsequent prompts are not prompted. YES = accept and prompt the next prompts. <CR> = previously stored value taken.	basic-3.0
UST	(NO) YES	User Status Update enabled	ims-4
VNR	(NO) YES	Vacant Number Routing Prompted with Flexible Tones and Cadences (FTC) package 160.	fnp-20
VO_ALO	(NO) YES	Enable Virtual Office Automatic Logout	basic-25.4

Prompt	Response	Comment	Pack/Rel
VO_ALOHR	(0)-23	Virtual Office Automatic Logout time using 24 hour clock.	basic-25.4
VPNI	1 - 16283	Virtual Private Network Identifier for CS 1000S <CR> = No Change Enter X to remove the VPNI.	basic-2
VSID	0-15	Value added Server Identifier Enter the identifier number of the Value-Added Server or VAS providing the services such as Voice Messaging. Enter X to remove the VSID.	usm-7
WAIT		Treatment during waiting time for ROA	roa-2
	(RGB)	Ringback	
	MUS	Music	
	SIL	Silence	
WKDY	1-7	Week Day for weekly printout. Where 1 = Sunday.	supp-15
WUD	(NO)	Wake-up Delimiter is not required	awu-22
	YES	Wake-up Delimiter is required A time entered during use of the Automatic Wake Up FFC Delimiter feature is valid only if the user enters “#” at the end of the time digits.	
XRFP	x...x	External Attendant Remote Call Forward Password The password length is 1-8 digits. The password is numeric only.	arfw-20
XRFR	(NO) YES	External Attendant Remote Call Forward Password Required	arfw-20

LD 16: Route Data Block, Automatic Trunk Maintenance

This Overlay program allows data for trunk routes, ATM schedule hours, or ATM routes to be created or modified.

When the Overlay is loaded the available system memory and disk records are output in a header as follows:

RDB000
MEM AVAIL: (U/P): xxxxxx USED: xxxxx TOT: xxxxxxx
DISK RECS AVAIL: xxx
RAN RTE AVAIL: (U/P): xxx USED: xxx TOT: xxx

The range for route numbers are system dependent:

- 0-511 for Large Systems and CS 1000E
- 0-127 for Small Systems, CS 1000S, MG 1000B, and MG 1000T

After making any changes to the route data block, IPE trunk cards must be downloaded with **ENLC l s c** command in LD 32.

The License header includes Recorded Announcement Broadcast (RAN RTE) information. This information is updated each time a new RAN route is configured.

Prompts and responses

Contents

RDB: Route data block

Prompt	Response	Comment
REQ:	aaaa	Request (aaaa = CHG, END, LCHG, NEW, or OUT)
TYPE:	RDB	Type of data block = RDB (Route data block)
CUST	xx	Customer number associated with this route
DMOD	1-127	Default Model number for this route (Small Systems, CS 1000S, MG 1000B, and MG 1000T)
ROUT	x...x	Route number, where x...x =
		0-511: Large System and CS 1000E System 0-127: Small System, CS 1000S, MG 1000B, and MG 1000T
DES	x...x	Designator field for trunk groups of 0-16 alphanumeric characters including spaces separating inputs.
TKTP	a...a	Trunk Type (TKTP responses begin on page 480)
VTRK	(NO) YES	Virtual Trunk route

ZONE	0-255	Zone for codec selection and bandwidth management
NODE	xxxx	Node ID
PCID	a...a	Protocol ID for the route.
CRID	(NO) YES	Allow or deny CDR record for SIP to include correlation ID.
TW_ROUTE	(NO) YES	Taiwan R1 route
- NACC	aaaa	Network access control (aaaa = (PGNR), PGNC, or PGNU)
M911_ANI	(NO) YES	Receive ANI digits for Meridian 911 routes
- M911_TRK_TYPE		
	aaaa	Meridian 911 ANI trunk types (aaaa = (911T) or 911E)
- M911_FORM	(1) 2	Automatic Number Identification Format
- M911_ABAN	(NO) YES	Optional call abandon treatment
- M911_TONE	(YES) NO	Optional call abandon tone
- NPID_TBL_NUM		
	0-7	Meridian 911 route table index
PRIV	(NO) YES	Private Line Route
RPA	(NO) YES	Radio Paging Route
ESN	(NO) YES	Electronic Switched Network or ESN pad control
SIGL	a...a	Layer 3 Signaling (a...a = APNS, BEL, DAS, DPN, NT4, or NTS)
CNVT	(NO) YES	Conventional (applies only to Tie trunks)
- DDMI	(0)-255	Digit Manipulation Index
- ATDN	(0)-x...x	Attendant DN
SAT	(NO) YES	Satellite used for trunk route via earth orbiting satellite
RCLS	aaa	Route Class (aaa = (EXT) or INT)
IDEF	(NET) LOC	Internal/external definition
DTRK	(NO) YES	Digital Trunk Route
- BRIP	(NO) YES	ISDN BRI Packet handler route
- DGTP	a...a	Digital Trunk Type (a...a = BRI, DTI, DTI2, JDMI, PRI, or PRI2)
- IFC	a...a	Interface type for route (IFC responses are listed on page 435)
- - CNTY	a...a	Country (CNTY responses can be found on page 421)
- CBCR	(NO) YES	Service route indicator
- CLID	OPTx	Calling Line Identification (x = 0, 1, 2, 3, 4, or 5)
- PROG	a...a	Progress signal (a...a = NCHG, MALE, or MCON)
- SBN	(NO) YES	Send Billing Number

- SIDE	aaa	Meridian SL-1 Node Type (aaa = (NET) or USR)
- CNEG	(NO) YES	Channel Negotiation
- OVLR	(NO) YES	Overlap Receiving
- DIDD	(0)-15	Digits ignored for DID call during Overlap Receiving
- OVLS	(NO) YES	Overlap Sending
- OVLT	(0)-8	Inter-INFO Timer during Overlap Sending
- NASA	(NO) YES	Network Attendant Service Allowed
- MBGA	(NO) YES	MBG Interface on the D-channel
- PGPN	0-15	Protocol Set Group Number
- RCAP	a...a	Remote Capabilities (RCAP responses can be found on page 460)
- - MWTO	(15) - 30	Message Waiting Time-out timer in seconds. This prompt is only printed if the RCAP is set to either QMWI or QMWO. The value entered is the duration of a timer started when a SETUP message is sent to set up a connection-oriented, call-independent connection for MWI transport. The timer is stopped on receipt of a CALL PROCEEDING message.
- - MWRT	0 - (2) - 15	Message Waiting Retry Timer. This prompt is only printed if the RCAP is set to either QMWI or QMWO. The value entered is the number of re-tries to be effected after a SETUP timeout.
- -MQC_FEAT	aaaa	MCDN QSIG Feature type, where aaaa = NAS, NACD or NMS
BCOT	(0) - 4000	B-channel Overload Control timer
INTC	(NO) YES	Speech calls to data sets are (NO = rejected; YES = intercepted) by the an attendant
ISDN	(NO) YES	Integrated Services Digital Network option
- SDID	(NO) YES	Send DID number instead of internal DN.IDC table with SDID Yes must be configured.
- - CTON		Calling Party Number
	(NCHG)	Call Type will not be changed.
	UKWN	Unknown call type.
	INTL	International call type.
	NATL	National call type.
	LOCL	Subscriber call type.
- MODE	a...a	Mode of operation (a...a = APN, ISLD, or PRA)
- DCH	0-159	D-channel number

- DCHI	1-15	DCHI port number
- IFC	a...a	Interface type for route (IFC responses are listed on page 435)
- - CNTY	a...a	Country (CNTY responses can be found on page 421)
- SBN	(NO) YES	Send Billing Number
- SRVC	a...a	Service type for AT&T ESS connections (SRVC responses can be found on page 470)
	(0) - 31	Service provisioned for National ISDN PRI (Rel 23 and later)
- - SRPM	0-(15)-255	Service Parameter
- - PNI	(0)-32700	Private Network Identifier (requires package 148 (NTWK))
- PR_TRIGS	aaa xx	Path Replacement Triggers
- PR_RTN	(NO) YES	Retain option for far end PINX
- NCNA	(YES) NO	Network Calling Name Allowed
- NCRD	NO) YES	Network Call Redirection
- - TRO	(NO) YES	Trunk Route Optimization
- INAC	(NO) YES	Insert ESN Access Code to incoming private network call
- - SPN	(NO) YES	SPN's AC is inserted first to search for a valid UDP number
INC_T306	0-(2)-*T306*	Incoming T306 timer value in 2 second increments
OUT_T306	0-(30)-*T306*	Outgoing T306 timer value in 2 second increments
- FALT	(NO) YES	Recognition of DTI2 ABCD FALT signal for ISL
- NSF	(NO) YES	Network Service Facility
- COTR	0-511	DID/CO Trunk Reference route number
- TIER	0-511	Tie Reference route number
- WATR	0-511	Wide Area Telephone Service or WATS Reference route
- CHTY	a...a	Channel Type (a...a = (BCH) or ABCH)
- CTYP	a...a	Call Type for outgoing direct dialed TIE route (a...a = (UNKN), CDP, INTL, LOC, NPA, NXX, or SPN)
- INAC	(NO) YES	Insert ESN Access Code
- ISAR	(NO) YES	Integrated Service Access Route
- - RTN	0-511	Route Number
- - FACY	(NO) YES	Facility indicator
- - SID	0-511	Service Identification
- - MIN	0-510	Minimum number of channels
- - MAX	1-510	Maximum number of channels
- - PTUT	0-510	Preference Trunk Usage Threshold
- - PRIM	(YES) NO	Primary
- - NCOS	(0)-99	Network Class of Service group number

- - CLS	a...a	Class of Service (a...a = (CTD), CUN, FR1, FR2, FRE, SRE, TLD, or UNR)
- - TGAR	xx	Trunk Group Access Restrictions
- IEC	001-999	Inter-Exchange Carrier ID
DAPC	(NO) YES	Display of Access Prefix on CLID
- TBL	(0)-15	Prefix table number to be associated with this route
CPFXS	(YES) NO	Customer-defined Prefixes
HNTN	0-9999	Home National Number
HLCL	0-9999	Home Local Number
ADDP	(NO) YES	Add Public Prefixes
- DSEL	aaa	Data Selection (aaa = (VOD), DTA, TDN, 3DTA, 7DTA, 7VOD or 3VCE)
PTYP	a...a	Port Type at far end (PTYP responses begin on page 458)
AUTO	(NO) YES	Auto terminate
- ACMP	(NO) YES	Automatic Camp-On Calls to Busy Auto Terminate Line
- DNIS	(NO) YES	ACD DNIS route
- - NDGT	xx	Number of DNIS Digits
- - WDGT	a	First or last 4 DNIS digits to be sent on APL and HSL (a = (L) or F)
- - DDLY	(NO) YES	DNIS Interdigit Delay
- - DCDR	(NO) YES	Include DNIS number in CDR records
IANI	(NO) YES	In-Band Automatic Number Identification route
RTYP	aaa	Recording device for RAN trunks (aaa = AUD, CAP, CK2, CKM, CON, DGT, LVL, or PUL)
- LGTH	4-(60)- 7200	Maximum message length in seconds
- GRD	aaaa	Ground Start Arrangement (aaaa = (IDLE) or PLAY)
REP	1-15	Repetitions of recorded announcements
POST	aaa	RAN Post announcement treatment (aaa = DIS or ATT)
STRT	aaa	Start arrangement (aaa = IMM or DDL)
WAIT	(RGB) MUS	Ringback for calls queueing for RAN trunk
- MRT	0 - 511	Music route for RAN queueing
BDCT	(NO) YES	Enable broadcast capability for this route.
	(YES) NO	For CS 1000E, the default is YES
- TITH	(0) - 300	Waiting Time Threshold (seconds)
- NCTH	(0) - 100	Number of Calls Waiting Threshold

RANH	x...x	RAN or Music route which will be used after post treatment, where: • x...x = 0 - 511 for Large System and CS 1000E • x...x = 0 - 127 for Small System, CS 1000S, MG 1000B, and MG 1000T Precede with x to remove.
ASUP	aaa	Answer Supervision returned by RAN to originator (aaa = (NO), YES, or CO)
SIGL	aaa	Signaling interface for CAMA trunks (aaa = BEL, NT4, or NT5)
FORM	aaa	Format for CAMA trunk signaling (aaa = M1A, M2B, or M3C)
AUDN	xxxx	Auto termination DN for ISA service routes
ICOG	aaa	Incoming and Outgoing trunk (aaa = IAO, ICT, or OGT)
PREM	(NO) YES	Preemption allowed on this route. If SLP package is equipped, then COT, DID, FX, ISDN and Tie trunk types can be preemptable.
TW_INC_CLID	(NO) YES	CLID Option on an incoming TWR1 route
RANX	(NO) YES	RAN for calls diverted to external trunks
- RANR	x...x	RAN Route number for the desired RAN route, where: • x...x = 0-127 for Small system, CS 1000S, MG 1000B and MG 1000T • x...x = 0-511 for Large system and CS 1000E
SRCH	aaa	Search method for outgoing trunk member (aaa = (LIN) or RRB)
TRMB	(YES) NO	Tromboning
STEP	0-511	Alternate trunk route for outgoing trunks
FACN	(0) - 99999	Tie or FX facility number
BAND	(0) - 99	OUTWATS band number
ACOD	x...x	Access Code for the trunk route
CLEN	0 - (1)- 3999	CLID entry number
CPP	(NO) YES	Calling Party Privacy/Calling Party Privacy Override Flag
- TCPP	(NO) YES	CPP/CPPO flag for incoming non-ISDN trunk call tandemed to this trunk route
- DTPI	(*67) nnnn	Privacy indicator for a digitone trunk
- DPPI	(1167) nnnn	Privacy indicator for a dial-pulse trunk
- PII	(NO) YES	Privacy Indicator Ignored
- DTPO	(*82) nnnn	Privacy Override Indicator for a digitone trunk

- DPPO	(1182) nnnn	Privacy Override Indicator for a dial-pulse trunk
TARG	0-(1)-31	Trunk Access Restriction Group
BILN	(NO) YES	Billing Number Required
- BLEN	1-(10)-16	Billing Number Length
- BNUM	0-x...x	Billing number (1 to 16 digits depending on BLEN)
- BDSP	(NO) YES	Billing Number Displayed
ATGT	(0)-60	ADM Trunk Guard Timer
ASTP	1-(2)-15	ADM Step-Forward ring cycles
SGRP	(0)-999	Scheduled Access Restriction Group
OABS	0-9	Actual outgoing toll digits to be ignored for Code Restriction
IABS	(0)-3	Number of incoming digits to be absorbed
CAT	00-99	CAMA trunk route category digits
ID	(0)-9	Identification digit for CAMA trunk routes
STRK	(NO) YES	Super Trunk group feature
SPTO	(NO) YES	Super Trunk Option
ANKP	(NO) YES	KP signal suppressed
INST	(0)-99999999	Insert
JDGT	1-(4)	Japan central office Digits
IDC	(NO) YES	Incoming DID Digit Conversion on this route
- DCNO	(0)-254	Day IDC tree number
- NDNO	0-254	Night IDC tree number
- DEXT	(NO) YES	Display External dialed digits
- - DNAM	(NO) YES	Display IDC Name
LID	(0)-2	Line Identities option
- LCNO	0-255	Line identities Conversion tree number
ANTK	x...x	ANI identifier number
SIGO	a...a	Signaling arrangement (a...a = (STD), ESN2, ESN3, ESN5, ETN, or EN19)
- STYP	aaaa	Standard Signaling Type (aaaa = (SDAT) or STDN)
MFC	(NO) YES	Multifrequency Compelled or MFC Signaling
MFSS	(B1) B2 B3	First MFS digit request backward signal
TCRS	(YES) NO	Toll Category Request Supported
INDMF	(NO) YES	Indian R2MFC Operations
- CLEN	1 - (10) - 16	Maximum number of CNI digits requested for India Phase 2 feature
MFEI	(0)-127	MFE table number for Incoming calls
AUTM	(NO) YES	MFE Automatic Mode

- DIGS	(4)-5	Number of Digits expected
SGL	(NO) YES	Signal
MFEO	(0)-127	MFE table number for Outgoing calls
MFEA	(YES) NO	Access code signals are used in the signaling
MFED	0-(1)-9	First digit of special service call
MFKI	1-127	MFK table number for Incoming calls
AUTM	(NO) YES	MFK Automatic Mode
DIGS	4-(5)	Number of Digits expected
MFKO	1-127	MFK table number for Outgoing calls
LOCD	x	Number of digits used in a local call by the far end Central Office (aaa = (6) or 7)
CHRG	aaaa	Charge DOD calls by line of by Block (aaaa = (BLOK) or LINE)
MFCI	1-127	MFC Incoming table number
R2MD	(NO) YES	R2 modification
- DIG#	1-(4)-9	Number of digits
SGL	(NO) YES	Signal
BSSU	(NO) YES	Backward Signal Suppression for undefined signal
MFCO	1-127	MFC Outgoing table number
EMGY	(NO) YES	Emergency Route
OPP	aaa	Operator originated calls receive normal treatment for busy and intercept situations (aaa = (OPP) or ATT)
SWP	a...a	Subscriber with Priority (a...a = (NORM) or ATT)
ICIS	(YES) NO	Incoming Identifier Send
ICDN	x...x a...a	Incoming route DN (x...x = 1-7 digit CLID DN; a...a = (NO) or CLID entry of 0-125 for trunk DN)
ICNP	a...a	Incoming Numbering Plan (a...a = (UKWN), PUB, or PRV)
ICNT	a...a	Incoming Numbering Type (a...a = (UKWN), INTL, NTN, LCL, LOC, CDP or SPN)
ICPS	(YES) NO	Incoming Presentation Status
OGIS	(YES) NO	Outgoing Identifier Send
OGDN	x...x a...a	Outgoing route DN (x...x = 1-7 digit CLID DN; a...a = (NO) or CLID entry of 0-125 for trunk DN)
OGNP	a...a	Outgoing Numbering Plan (a...a = (UKWN), PUB, or PRV)
OGNT	a...a	Outgoing Numbering Type (a...a = (UKWN), INTL, NTN, LCL, LOC, CDP or SPN)
OGPS	(YES) NO	Outgoing Presentation Status
CCNI	(NO) YES	Call Number Indicator or CNI enabled on route

CNTL	(NO) YES	Changes to Controls or timers
- TIMR	aaa xxx	Trunk Timers (TIMR range definitions begin on page 474)
- SST	xx y	Seizure Supervision Timer in seconds
- DTD	(NO) YES	Dial Tone Detection
- - TABL	0-31	Flexible dial tone detection table number
- - XTDT	0-7	Extended Tone Detector Table Number
- - MDTD	1-(5)-31	Minimum Dial Tone Detection delay in seconds
- - DTDF	x y	Dial Tone Detector Fail threshold
- - SCDT	(NO) YES	Secondary Dial Tone detection will be used on route
- - 2 DT	(NO) YES	Secondary Dial Tone
- NEDC	aaa	Near End Disconnect Control (aaa = ORG or ETH)
- FEDC	aaa	Far End Disconnect Control (aaa = (ORG), ETH, JNT, or FEC)
CPDC	(NO) YES	SL-1 is the only Controlling Party on incoming calls
SPCT	aaa	Speech Path Cut-Through (aaa = (IMM) or DLY)
DLTN	(NO) YES	Dial Tone on originating calls
- TOV	(0)-3	Data Time-out Value
- PSEL	aaaa	Protocol Selection (aaaa = (DMDM) or TLNK)
- OPE	(NO) YES	Change data port Operating parameters
- - PSDS	(NO) YES	Public Switched Data Service option
- - TRAN	a...a	Transmission mode (a...a = (ASYN) or SYN)
- - PAR	a...a	Parity for data port (a...a = (SPAC), EVEN, MARK, or ODD)
- - DTR	(OFF) ON	Data Terminal Ready
- - DUP	aaaa	Duplex for data port (aaaa = (FULL) or HALF)
- - DCD	(ON) OFF	Data Carrier Detect
- - MOD	(NO) YES	Mode for synchronous operation
- - INT	(OFF) ON	Interworking
- - CLK	(OFF) ON	Clock source for synchronous operation
- - V25	(NO) YES	V.25 bis option for synchronous operation
- - HDLC	(NO) YES	High Level Data Link Control
- - DEM	aaa	Data Equipment Mode (aaa = (DCE) or DTE)
- - PBDO	(OFF) ON	Port Busy upon DTR Off
ANDT	(NO) YES	Automatic Number Identification Dial Tone
HOLD	ic dc ht	Hold failure threshold
SEIZ	ic dc	Seize failure threshold
RGFL	ic dc	Ring Failure threshold
RVSD	ic dc	Reversed wired CO trunk threshold

ILLR	ic dc	Illegal Ring threshold
SVFL	ic dc	Supervision Failure
OPCB	(NO) YES	Operator Call Back
- IMBI	(NO) YES	Perform Immediate Break-In on this route
- IMCB	(NO) YES	Perform Immediate Call Back on this route
- TOBO	(NO) YES	Toll Operator Break-Out
- BTCG	(NO) YES	Busy Tone to Calling Party disabled
- IHT	2-(30)-62	Number of seconds in increments of two
- OHT	0-(30)-126	Off-Hook Timer (2 second increments)
- OHTT	0-(30)-62	Toll Outgoing Calling Party Control call disconnect
- SRT	1-(30)-1023	Number of minutes on an outgoing CDPC call that a set is kept on-hold to a trunk (in increments of two)
- CGPC	(NO) YES	Calling Party Control
- CDCT	(NO) YES	Called Party Control
DDO	(NO) YES	Delay Digits Outpulsing for DOD and CO trunks
DRNG	(NO) YES	North American Distinctive Ringing for incoming calls
NDRI	(0)-4	Network Distinctive Ringing Index
BTUA	(NO) YES	Block Transfer of Unanswered Call
CDR	(NO) YES	Call Detail Recording
- INC	(NO) YES	CDR records generated on incoming calls
- LAST	(NO) YES	CDR record printing content option for redirected calls
- TTA	(NO) YES	Time To Answer output in CDR
- ABAN	(NO) YES	Abandoned call records output for this route
- QREC	(NO) YES	CDR ACD Q initial connection records to be generated
- OAL	(NO) YES	CDR on outgoing calls
- - OTL	(NO) YES	CDR on Outgoing Toll calls
- - AIA	(NO) YES	Answered call Identification Allowed
- - OAN	(YES) NO	CDR timing starts On Answer supervision of outgoing calls
- - OPD	(NO) YES	Outpulsed Digits in CDR
- CDRX	(NO) YES	Print CDRX records on multiple call transfer for non-PPM outgoing calls
- NDP	aaa 0-32	Number of Digits Printed (aaa = INC or EXC)
- CDRY	(NO) YES	CDR Public Network Feature Invoke records will be generated
CDRB	(NO) YES	Abandoned call on busy tone records
OPA	(NO) YES	Will generate CDR or CDAS record for PPM pulses
CCO	(NO) YES	Printing of CDR records for no PPM or AOC count

NATL	(YES) NO	North American Toll scheme
- TDG	x...x	Toll Digits
SSL	1-15	Special Service List number
CFWR	(NO) YES	Call Forward Restriction
- IDOP	(NO) YES	Identify Originating Party
VRAT	(NO) YES	Answer an Attendant Extended Call over VNS immediately on the incoming bearer trunk
MUS	(NO) YES	Music On-Hold
- MRT	0-511	Music Route number
MR	aaa	Message Registration (aaa = (NO), DURC, ENDC, PPM, RVB, STAC, or XLD)
DSPD	(NO) YES	Real Time AOC Display
PANS	(YES) NO	Pseudo Answer
RACD	(NO) YES	Route traffic information in ACD Reports
RUCS	0-9999	Route Unit Cost
RURC	x y	Route Unit Reference Cost
RUCF	x y	Route Unit Conversion Factor
MULT	(NO) YES	Multiplier for Charge Information
DSPT	0-(10)-60	Charge Display Timer
RPPM	xxx	Real-time Periodic Pulse Metering polling time in seconds
A1MR	(NO) YES	Answer is First Meter pulse
MANO	(NO) YES	Manual Outgoing trunk route
EQAR	(NO) YES	Enable Equal Access Restrictions
- GCR	(NO) YES	General Carrier Restriction to restrict Equal Access calls
- - NTOL	(DENY) ALOW	North American Toll calls (i.e., 1+calls)
- - ITOL	(DENY) ALOW	International Toll calls (i.e., 011+calls)
- SCR	(NO) YES	Selective Carrier Restriction to restrict Equal Access calls
DTOS	(NO) YES	Dial Tone on Outgoing Seizure
FRL	0-7 0-254	Facility Restriction Level
OHQ	(NO) YES	Off-Hook Queuing
OHQT	(0)-63	Off-Hook Queue Threshold
CBQ	(NO) YES	Call Back Queuing
NDIG	(2)-7	Number of Digits
AUTH	(NO) YES	Authcode
TDET	(NO) YES	Tone Detector required
TTBL	(0)-31	Tone Table number
PNNC	(NO) YES	Process Notification Networked Calls

- PNDL	2-(6)-10	Process Notification Delay Timer in seconds
- SLCT	TONE MSG	Select Tone or Message
- NRT	0-511	Notification Route number
- NMSG	(0)-30	Number of times Message is repeated
- PNPS	(0)-30	Interval between messages (2 seconds increments)
ATAN		Attendant Announcement.
	(NO)	No Attendant Announcement.
	YES	Enable Attendant Announcement on this route.
	PSTN	Enable Attendant Announcement on this route on PSTN calls only (For MCDN trunks only).
		Attendant announcement is available on DID/TIE and COT trunks only.
- ATBL	0 -31	Announcement profile table Uses announcement profile AANN defined in Overlay 56
- AAT	(NO) YES	Disable Alternative PC Attendant Announcement. Enable Alternative PC Attendant Announcement.
--AATO	(0) - 3	Alternative PC Attendant Announcement Time of Day Option for this Route
--ADAY	(0) - 3	Alternative PC Attendant Announcement Day of Week Option for this Route
--AHOL	(0) - 3	Alternative PC Attendant Announcement Holiday Option for this Route
--AATB	0 - 31	Announce profile table Uses announcement profile AANN defined in Overlay 56
-AAAO		Alternative PC Attendant Announcement, where:
	(NO)	(NO) = No call answer is given
	CAA	CAA = Call answer will be given on announcement
	CAF	CAF = Call answer will be given forced
		This prompt is for tone announcement valid only.
ACNI	(NO) YES	Accept Call Number Identification
OHT	0-(30)-126	Off-Hook Timer (2 seconds increments)
OHTD	(NO) YES	Off-Hook Timer Delay
PLEV	0-(2)-7	Priority Level
OPR	(NO) YES	Outpulsing Route
OPDL	(0)-8064	Outpulsing Delay in milliseconds
PRDL	(NO) YES	Partial Dial timing

EOS	(NO) YES	End-of-Selection Signal
DNSZ	(0)-7	Number of digits expected on DID routes
RCAL	aaa	Recall (aaa = (NO), ATT, or DRA)
MCTS	(NO) YES	Malicious Call Trace Signal
- MCCD	0-8	Malicious Call Trace request string
- MCDT	(0)-4	Malicious Call Trace Delay Time in seconds
- MCTM	(0)-30	Malicious Call Trace request Timer id
- MTND	(NO) YES	Malicious Call Trace Tandem Disconnect delay
FGNO	(0)-127	Feature Group D block number
CDPC	(NO) YES	Called Party Control
ALRM	(NO) YES	Malicious Call Trace Alarm is allowed for external calls
NCNI	(0)-7	Request CNI after the defined number of digits are received
CNIE	(NO) YES	Request CNI after an ESN code is dialed
CNIT	(NO) YES	Call Number Identification Trace
BTT	2-(30)-254	Busy Tone Time
ACKW	(NO) YES	Acknowledgment seizure signal
PECL	(NO) YES	Periodic Clearing Signal
DCTI	(0)-511	Time (in seconds) that an extension is allowed to ring or be On-hold or Call Park before the trunk is disconnected
NADT	(0)-255	No Answer Disconnect Timer in seconds
MON	(NO) YES	Monitoring for route
TIDY	xxxx yyyy	Trunk Identity
ATRR	(NO) YES	AC15 Timed Reminder Recall
TRRL	(NO) YES	Recall signal (may not) may be received and transmitted on this route
- FRIN	(NO) YES	Forward Release Indefinitely
- - FRRC	0-(4)-15	Forward Release Repetition Count
- - FRRS	(NO) YES	Forward Release Repetition Seize
- - - FRRD	128-(384)	Forward Release Repetition Delay in milliseconds
- - - RRBS	(NO) YES	Repeat Release Before Seize
- RLSM	(0)-15	Release Mechanism
CCB	(NO) YES	Collect Call Blocking enabled
- CCB1	512-(1536)-4992	Collect Call Blocking delay timer 1 in milliseconds
- CCB2	500-(1520)-2550	Collect Call Blocking delay timer 2 in milliseconds
CCBA	(NO) YES	Collect Call Blocking Allowed
ARDN	(NO) YES RPO	Allow last Re-Directing Number
ANIE	(0)-x	ANI table Entry for Route (configured in LD 15)

CISR	(NO) YES	CIS Route
- ANSZ	(7)-15	Size of the ANI information
- ANIC	(NO) YES	ANI Composing
- LEC	0-9999999	Local Exchange Code (used for building ANI messages)
- ADDG	0-(8)-9	Additional Digit to be used in ANI sequences
- ANDN	0-9999999	ANI DN
- DTOC	(NO) YES	Direct Toll Connection
- CTOC	aaaa	CIS Toll Outpulsing Criteria
- COAT	(NO) YES	Continue Outpulsing After ATO Timer expires
- CACD	(NO) BEF AFT	Defines how the CAC is displayed on the display of the set/console.
- CACC	(NO) BEF AFT	Defines how the CAC is stored in the CDR.
- AANI	(NO) YES	Defines if the Automatic ANI request should be sent to the CIS CO when the incoming calls are originated from the CIS CO to the trunks within this route.
- ANFT	(CONT) FAIL ITDN	Defines the ANI Failure Treatment option.
- - ITDN	xxxx	Intercept DN (up to 8 digits) defines the DN to transfer the incoming calls which failed to provide ANI.
-CAC_CONV	(0)-31	CAC conversion table number for CIS gateway, configured against MFC_ENT in LD 15. Prompted only for non-outgoing R2MFC route
CAC	0-(3)-9	Specifies ANI category for an incoming trunk
CAC_CIS	0-(3)-9	CIS ANI Category Code
RDNL	0-(4)-7	Route DN length for ANI

ATM: Automatic Trunk Maintenance data block

Prompt	Response	Comment
REQ	aaaa	Request (aaaa = CHG, END, LCHG, NEW, or OUT)
TYPE	ATM	Type of data block = ATM (Automatic Trunk Maintenance)
CUST	xx	Customer number associated with this route
ROUT	x...x	Route number
		Where x...x =
		0-511: Large System and CS 1000E system 0-127: Small Systems, CS 1000S, MG 1000B, and MG 1000T
DES	x...x	Designator field for trunk (0-16 character alphanumeric)
T100	n...n	T100 test line DN (2 to 10 digits)
PADT	0-63	Pad factor for T100 test line in dB
STND	(YES) NO	Standard T100 test line
NMNL	27-90	Noise Maintenance Limit
NOUT	27-90	Noise out-of-service limit
NTOF	(YES) NO	Near To Far measurement
- REF	n...n	Reference loop around DN (2 to 10 digits)
- TST	n...n	Test loop around DN
- PADL	0-63	Pad factor for loop around
EML	0-15	Expected Measured Loss
LMNL	0-15	Loss deviation Maintenance Limit
LOUT	0-15	Loss out-of-service deviation limit
DSBL	(0)-100	Percentage of trunks to be Disabled
MXTI	0-(5)-15	Maximum Time

SCH: ATM Schedules data block

Prompt	Response	Comment
REQ	aaaa	Request (aaaa = CHG, END, LCHG, NEW, or OUT)
TYPE	SCH	Type of data block = SCH (ATM Schedules)
CUST	xx	Customer number associated with this route
HOUR	0-23	Hour to start Automatic Trunk Maintenance test
ROUT	x...x	Route number
		Where x...x =
		0-511: Large System and CS 1000E system 0-127: Small Systems, CS 1000S, MG 1000B, and MG 1000T
DES	x...x	Designator field for trunk (0-16 character alphanumeric)
MDMP	(NO) YES	Modem Data Module Pair
- MRAT	5-30	Modem Ring Again Timer
DTYP	aaa	Inbound/Outbound Data Port (aaa = (IOP), IDP, or ODP)
ADCP	(NO) YES	All-Digital Connection Prefix
OAMP	0-127	Outbound Modem Pool route number
IAMP	0-127	Inbound Modem Pool route number

Meridian 911 Route data block

Prompt	Response	Comment
REQ	aaaa	Request (aaaa = CHG, END, LCHG, NEW, or OUT)
TYPE	RDB	Type of data block = RDB (Route data block)
CUST	xx	Customer number associated with this route
ROUT	x...x	Route number
		Where x...x =
		0-511: Large System and CS 1000E system 0-127: Small Systems, CS 1000S, MG 1000B, and MG 1000T
DES	x...x	Designator field for trunk (0-16 character alphanumeric)
TKTP	DID	DID trunk types must be used for M911 route
M911_ANI	YES	Receive ANI digits for M911 route
M911_TRK_TYPE	aaaa	Meridian 911 ANI trunk type (aaaa = (911T) or 911E)
M911_FORM	(1) 2	Automatic Number Identification Format
M911_ABAN	(NO) YES	Optional call abandon treatment
M911_TONE	(YES) NO	Optional call abandon tone
NPID_TBL_NUM	0-7	Meridian 911 route table index

NPID: Numbering Plan Digit or Information Digit (NPID) Table

Prompt	Response	Comment
REQ	aaaa	Request (aaaa = CHG, END, LCHG, NEW, or OUT)
TYPE	NPID	Type of data block = NPID
IDTB	0-7	ID table index
NPID	0-9	Numbering Plan Digit or Information Digit
TRMT	a...a	NPID Treatment (a...a = (NONE), FAIL, TEST, or NPA)
-NPA	nnn	Numbering Plan Area

Release Mechanism Options

The following table indicates whether a release signal is acknowledged or not. YES indicates the release signal is acknowledged, NO indicates the release signal is not acknowledged.

Table 3
Release Mechanism Options

	Incoming Calls		Outgoing Calls	
RLSM Option	Originator On-Hooks first	Terminator On-Hooks first	Originator On-Hooks first	Terminator On-Hooks first
0	NO	NO	NO	NO
1	NO	NO	NO	YES
2	NO	NO	YES	NO
3	NO	NO	YES	YES
4	NO	YES	NO	NO
5	NO	YES	NO	YES
6	NO	YES	YES	NO
7	NO	YES	YES	YES
8	YES	NO	NO	NO
9	YES	NO	NO	YES
10	YES	NO	YES	NO
11	YES	NO	YES	YES
12	YES	YES	NO	NO
13	YES	YES	NO	YES
14	YES	YES	YES	NO
15	YES	YES	YES	YES

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
2DT	(NO) YES	Secondary Dial Tone	xpe-16
A1MR		Answer is First Meter pulse	pemd-18
	(NO)	Meter pulses are counted from the moment of seizure of the outgoing trunk. When the trunk answers, the PPM count is left unchanged.	
	YES	Meter pulses received before Answer are invalid. Answer is taken as the start of the first charging period (i.e., when an answer signal is received the PPM count is incremented). Meter pulses mark the start of the subsequent charging periods. A1MR is prompted when DTRK = YES, DGTP = DTI2, and MR = PPM.	
AAAO		Alternative Attendant Announcement	
	(NO) CAA CAF	No call answer is given 0-31. Call answer will be given on announcement. Call answer will be given forced. This prompt is for tone announcement valid only.	-25.4
AANI	(NO) YES	Defines if the Automatic ANI request should be sent to the CIS CO when the incoming calls are originated from the CIS CO to the trunks within this route.	cist-24
AAT	(NO) YES	Disable Alternative Attendant Announcement. Enable Alternative Attendant Announcement.	atan-25.4
AATO	(0) - 3	Alternative Attendant Announcement Time of Day Option for this Route.	atan-25.4
AATB	xx	Announce profile table. Where xx = 0-31 0-31 uses announcement profile AANN defined in Overlay 56	atan-25.4

Prompt	Response	Comment	Pack/Rel
ABAN	(NO) YES	Abandoned call records output for this route	fcdr-18
ACKW	(NO) YES	Acknowledgment seizure signal is expected after seizure of a DID/DOD trunk	xpe-16
ACMP	(NO) YES	Automatic Camp-On calls to busy auto terminate Line	
ACNI	(NO) YES	Accept Call Number Identification This DPNSS route (does not allow) allows R2MFC CNI sent as an OLI string in the initial message (ISRM). Prompted when: • IDA package equipped • MFC package equipped • TKTP = IDA • SIGL = DPN/APNS	dpnss-20
ACOD	x...x	Access Code for the trunk route The ACOD must not conflict with the numbering plan. Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150.	basic-1
ADAY	(0) - 3	Alternative Attendant Announcement Day of Week Option for this Route.	atan-25.4
ADDG	0-(8)-9	Additional digit(s) to be used in ANI sequences. If LEC and the DN to be transmitted consist of less than seven digits, ADDG is used as the last digit(s) of the ANI sequence. Prompted if: 1. Commonwealth of Independent States (CIST) package 221 is equipped 2. ICOG = OGT 3. TKTP = COT (for analog trunks, TKTP must = DID) 4. DGTP = DTI2	cist-21

Prompt	Response	Comment	Pack/Rel
		If ANIC is NO or if ANIC=YES but the ANI entry associated with the originator of the call is not configured. It is used to complete ANI DN if LEC+ANI DN consists of less than ANSZ digits. Prompted for outgoing CIS route. May be from 1 up to the ANSZ length.	cist-24
ADDP		Add Public Prefixes	euroisdn-22
	(NO)	The prefixes 0 (National) or 00 (International) *are not* added to the Calling Party Number if the Type of Number (TON) is Public on the set/attendant displays	
	YES	The prefixes 0 (National) or 00 (International) *are* added to the Calling Party Number if the Type of Number (TON) is Public on the set/attendant displays	
ADCP	(NO) YES	All-Digital Connection Prefix assigned to customer	basic-5
AHOL	(0) - 3	Alternative Attendant Announcement Holiday Option for this Route.	atan-25.4
AIA	(NO) YES	Answered call Identification Allowed Enter YES to output an “A” in the CDR TerID field to indicate answered calls. Prompted when OAL = YES or OTL = YES.	cdr-13
ALRM	(NO) YES	Malicious Call Trace Alarm is allowed for external calls	mct-10

Prompt	Response	Comment	Pack/Rel
ANDN	0 - 9999999	ANI DN ANDN is used for building ANI messages. ANDN is prompted if Commonwealth of Independent States (CIST) package 221 is equipped. ANDN is not prompted if the route is outgoing only (ICOG = OGT) and TKTP is not COT (for analog trunks, not DID). Incoming route: If ANDN is defined, it will be used as ANI DN in CDTI2/ CSDTI2 ANI messages when this incoming trunk is the originator of an outgoing CDTI2/ CSDTI2 call. If ANDN is not defined, the the ANDN of the outgoing CDTI2/ CSDTI2 trunk is used. Outgoing route: Default ANI DN in CDTI2/ CSDTI2 ANI messages. If the ANI DN of the call originator cannot be used, then ANDN for the outgoing CDTI2/ CSDTI2 route is used. This will happen for sets with CLS DNAD and for incoming routes if ANDN is not defined. May be from 0 up to the ANSZ length. Prompted for outgoing CIS route. Used for building ANI message if ANIC=NO and DN of set is not allowed to be sent (CLS DNAD). Also used if ANIC=YES but the ANI entry associated with the originator of the call is not configured, and DN of set is not allowed to be sent (CLS DNAD).	cist-21 cist-24
	X	Remove ANDN	
ANDT	(NO) YES	Automatic Number Identification Dial Tone	ani-1
ANFT		Defines the ANI Failure Treatment option.	cist-24
	(CONT)	Provide call to the required destination	
	FAIL	Drop the call	
	ITDN	Transfer call to the intercept DN defined by the ITDN prompt	

Prompt	Response	Comment	Pack/Rel
ANIC	(NO) YES	ANI Composing Prompted for outgoing CIS route. If ANIC=NO, old ANI composing is used: if the originator of the call is a set, ANI message will consist of the CAC of the originator + the LEC of the outgoing route + the DN of the originator or the ANDN of the outgoing CIS route, depending on the class of service (DNAA/DNAD) of the set. If the originator of the call is an incoming route, the components of the ANI message are retrieved from default ANI entries and/or from the data block of the outgoing CIS route. If ANIC=YES, the following is done: If no entry is associated with the calling set (ANIE=0), then old ANI composing is used. If an ANI entry is associated with the calling set (ANIE has a non-zero value), but the associated ANI entry is	cist-24
ANIE	(0)-x	ANI table Entry for Route (configured under prompt R_ENTRY, LD 15) x= R_SIZE-1 R_Size is the maximum table entry number that can be configured. (R-SIZE is defined in LD 15)	cist-24
ANKP	(NO) YES	KP signal suppressed	cam-1
ANSZ	(7)-15	Size of the ANI information This is the length of LEC+ANI DN For analog routes, the only valid response is 7	cist-24
ANTK	x...x	ANI identifier number Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. In either case, together with ANLD and ANI Listed DN in LD 15, the total number of digits must be no less than 7.	ani-1

Prompt	Response	Comment	Pack/Rel
ARDN		Allow last redirecting Number, where:	basic-4.50
	(NO) YES RPO	(NO) = treatment for originally called number. YES = treatment for last redirecting number. RPO = treatment for last redirecting number if OCN is Public. ***Note:*** If ARDN = NO, the display on the terminating set would be Calling Number + Originally called number + Orignal diversion reason. ***Note 1:*** If ARDN = NO, and the call lands on a voice mail system, the voice mail would be left against the originally called number's mailbox. ***Note 2:*** If ARDN = YES, the display on the terminating set would be Calling Number + last redirecting number + last diversion reason. ***Note 3:*** If ARDN = YES, and the call lands on a voice mail system, the voice mail would be left against the last redirecting party's mailbox. ***Note 4:*** If ARDN= RPO, if the Type of NUmber and Numbering plan indicator(TON & NPI) of the origianlly called number is public, then the display on the terminating set would be the calling Number + last redirecting number + last diverting reason. ***Note 5:*** If ARDN= RPO, and the call lands on a voice mail system, the voice mail would be left against the last redirecting party's mailbox. ***Note 6:*** If ARDN= RPO, and the Type of NUmber and Numbering plan indicator(TON & NPI) of the origianlly called number is private, then the display on the terminating set would be Calling Number + Originally called number + Orignally diverting reason. ***Note 7:*** If ARDN= RPO, and the call lands on a voice mail system, the voice mail would be left against Originally called number's mailbox.	
ASTP	1-(2)-15	ADM Step-forward ring cycles	adm-12

Prompt	Response	Comment	Pack/Rel
ASUP	(NO) YES CO	Do not return Answer Supervision by RAN to originator Return Answer Supervision by RAN to originator Return Answer supervision only if the originator is a CO trunk The operation of answer supervision is affected with FCC Compliance for DID Answer Supervision (FC68) package 223. Refer to FCC Compliance for DID Answer Supervision, in *Features and Services* (553-3001-306).	ran-1
ATAN	 (NO) YES PSTN	Attendant Announcement. No Attendant Announcement. Enable Attendant Announcement on this route. Enable Attendant Announcement on this route on PSTN calls only (For MCDN trunks only). Attendant announcement is available on DID/TIE and COT trunks only.	atan-25.4
ATBL	xx	Announcement profile table. Where xx = 0-31 0-31 uses announcement profile AANN defined in Overlay 56.	atan-25.4
ATDN	(0)-x...x	Attendant DN of conventional main, ESN main, ESN node or ETN node. Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150.	casm-5
ATGT	(0)-60	Add on Data Module (ADM) Trunk Guard Timer Two-second increments up to one minute, odd entries are rounded down to the next valid number.	adm-12
ATRR	(NO) YES	AC15 Timed Reminder Recall. Prompted with AC15 Recall (ACRL) package 236.	arcl-20
ATVR	(NO) YES	Present call has higher precedence (called party cannot be preempted)	atvn

Prompt	Response	Comment	Pack/Rel
AUDN	xxxx	Auto termination DN for ISA service routes Prompted when ISAR = YES and AUTO = YES. This must be an existing DN, and cannot be deleted. When DNIS = YES, it must be an ACD DN.	
AUTH	(NO) YES	Authcode to be prompted for incoming NARS/BARS calls	baut-1
AUTM	(NO)YES	Automatic Mode for MFE, MFK5 or MFK6	mfc-9
AUTO	 YES (NO)	Auto-Terminate The route members terminate on DN defined by response to ATDN prompt in LD 14. The route members terminate normally at the console. Only ACD DNs or DISA DNs support Auto-Terminate trunks. In order to set AUTO = YES for TIE, DID and CCSA trunks, all members of the route must have STRI = IMM in LD 14.	basic-1
BAND	(0) - 99	OUTWATS band number.	cbc_pkg-23
BCOT	(0) - 4000	B-channel Overload Control timer value indicates the delay the M1 PBX will introduce (in milli seconds) before starting the actual disconnect sequence.	isdn- 23
BDCT	(NO) YES (YES) NO	Enable broadcast capability for this route. For CS 1000E, the default YES cannot be changed. CS 1000E only supports broadcast trunks.	ranbrd- 23 ran- 23
BDSP	(NO) YES	Billing Number is not displayed at the CO Billing Number is displayed at the CO	basic-21
BILN	(NO) YES	Billing Number is not required Billing Number is required	basic-21
BLEN	1-(10)-16	Billing Number Length	basic-21

Prompt	Response	Comment	Pack/Rel
BNUM	0-9999	Billing Number Depending on your response to BLEN, BNUM can be from 1 to 16 digits. If BLEN is changed, a new BNUM must be entered. If the BNUM entered is less than the BLEN specified, the BNUM will be padded with leading zeros.	basic-21
BRIP	(NO) YES	ISDN BRI Packet handler route	bri-18
BSSU	(NO) YES	Backward Signal Suppression for undefined signal	mfc-9
BTCG	(NO) YES	Busy Tone to Calling Party disabled	opcb-14
BTT	2-(30)-254	Busy Tone Time Length of busy/overflow to be returned on DTI routes in seconds.	xct1-16
BTUA	(NO) YES	Block Transfer of Unanswered call	pra-14
CAC	0-(3)-9	Specifies ANI category for an incoming trunk. CAC is used to build ANI messages on an outgoing trunk connected to this trunk. CAC is prompted if Commonwealth of Independent States (CIST) package 221 is equipped. However, CAC is not prompted if the route is outgoing only (ICOG = OGT) and TKTP is not COT (for analog trunks, not DID).	cist-21
CACC		Defines how the CAC is stored in the CDR. The options are	cist-24
	(NO)	Do not store CAC	
	BEF	Store CAC before the ANI	
	AFT	Store CAC after the ANI	
CAC_CIS	0-(3)-9	CIS ANI Category Code range and default values	cist-24

Prompt	Response	Comment	Pack/Rel
CAC_CONV	(0)-31	CAC conversion table number for CIS gateway, configured against CIS_ENT in LD 15 Prompted only for non-outgoing CIS DTI2 route	cist-24
CACD		Defines how the CAC is displayed on the display of the set/console. The option also controls presentation of the CAC in the messages to the auxiliary processors	cist-24
	(NO)	Do not display CAC	
	BEF	Display CAC before the ANI	
	AFT	Display CAC after the ANI	
CAT	00-99	CAMA Trunk route category digits Prompted if SIGL = NT4 or NT5	cama-1
CBQ	(NO) YES	Call Back Queuing Use only for incoming TIE calls.	bque-1
CBCR	(NO) YES	Service route indicator	cbc_pkg-23
CCB	(NO) YES	Collect Call Blocking disabled on incoming route Collect Call Blocking enabled on incoming route The route must be: 1. either incoming or incoming and outgoing 2. COT, DID, FEX, or WAT 3. neither ISDN nor M911 This prompt appears with Collect Call Blocking (CCB) package 290.	ccb-21
CCB1	512-(1536)-4992	Collect Call Blocking delay timer 1 (ms). The input is rounded to the next multiple of 128 ms.	ccb-21
CCB2	500-(1520)-2550	Collect Call Blocking delay timer 2 (ms). The input is rounded to the next multiple of 10 ms.	ccb-21

Prompt	Response	Comment	Pack/Rel
		If any CCB route members (trunks) are using firmware timing (FWTM = YES in LD 14), the CCB2 timer will not change until the new timer value is downloaded to the card. This can be done by either enabling the card or initializing the switch. CCB2 is prompted when CCB = YES.	
CCBA	(NO)	Collect Call Blocking denied (regular answer signal transmits)	ccb-21
	YES	Collect Call Blocking Allowed (CCB answer signal transmits) CCBA is used for outgoing routes when a call tandems out on this route. For example, collect calls will not be accepted on a RAN or TIE route when CCBA = YES. When CCBA = NO, these routes can accept collect calls. This prompt appears with Collect Call Blocking (CCB) package 290.	
CCNI	(NO) YES	Call Number Indicator enabled on route	mfc-15
CCO	(NO) YES	Printing of CDR records for no PPM or AOC count Prompted when OAL = YES or OTL = YES	cdr-10
CDCT	(NO)	Called Party Control is not enabled on incoming calls when MFC IDCT signal is sent	opcb-14
	YES	Called Party Control is enabled on incoming calls when MFC IDCT signal is sent	
CDPC	(NO)	Called Party Control is not enabled when MCT feature is activated.	supp-14
	YES	Called Party Control is enabled when MCT feature is activated. Prompted when OPCB = YES	
CDR	(NO) YES	Call Detail Recording Set and change CDR options for this route.	cdr-1
CDRB	(NO) YES	Abandoned call on busy tone records.	cdr- 23

Prompt	Response	Comment	Pack/Rel
CDRX	(NO) YES	Print CDRX records on multiple call transfer for non-PPM outgoing calls. This prompt appears if CDRX package is equipped and MR is not equal to PPM. Also CDR = YES, TKTP = COT or DID for International DID/DOD and ICOG cannot be ICT.	cdrx-20
CDRY	(NO) YES	CDR Public Network Feature Invoke records will be generated	ddsp-20
CFWR	(NO) YES	Call Forward Restriction	supp-10
CGPC	(NO) YES	Calling Party Control on incoming calls on this route is not enabled Calling Party Control on incoming calls on this route is enabled	opcb-14
CHRG	(BLOK) LINE	A DOD Call over this MFK route must signal the CO that it wishes to be charged by block. A DOD Call over this MFK route must signal the CO that it wishes to be charged by line.	kd3-20
CHTY	 (BCH) ABCH	Channel Type B-channel A/B bit signaling Prompted when DTRK = YES, ISDN = YES and Mode = PRA.	pra-12
CISR	(NO) YES	CIS Route.	cist-24
CLEN	0 - (1)- 3999	CLID entry number. This prompt is given only for non-ISDN routes (where ISDN = NO and ISAR = NO).	esa- 23
	1 - (10) - 16	Maximum number of Calling Number Identification digits to request for India Phase 2 feature.	
CLK	(OFF) ON	External Clock source Internal Clock source Prompted if TKTP = MCU and TRAN = SYN	basic-18
CLS	 (CTD) CUN	Class of Service access restriction. Prompted if TKTP = TIE. Conditionally Toll Denied Conditionally Unrestricted	isa-12

Prompt	Response	Comment	Pack/Rel
	FR1 FR2 FRE SRE TLD UNR	Fully restricted class 1 Fully restricted class 2 Fully restricted Semi-Restricted Toll Denied Unrestricted	
CLID		Calling Line Identification. CLID is prompted only for UIPE-based protocols.	euroisdn-22
	OPT0	Prefix = 0 for North American dialing plan. OPT0 is the default for ESIG and ISIG interfaces.	
	OPT1	Prefix = 1 for international PFXs in CLID. Any numbering type is supported. OPT1is the default for all EuroISDN interfaces.	
	OPT2	Prefix = 2, for international PFXs in CLID. CCITT numbering types supported are: UKWN, INTL, NPA, and NXX. OP2 is the default for CO/DID routes for the Telecom New Zealand interface.	
	OPT3	Prefix = 3 for international PFXs in CLID. Only the NXX number type is supported. OPT3 is the default for TIE routes for the Telecom New Zealand interface.	
	OPT4	For international COs, if the call originates from a CO trunk type, add nothing. Otherwise, add PFX1 and PFX2. OPT4 is the default for all Asia Pacific interfaces.	
	OPT5	This is the same as OPT4, except it supports a maximum of 10 digits in the CLID. OPT5 is the default for the Austrian interface.	
CNEG		Channel Negotiation	bri-20
	(NO) YES	Channel Negotiation not allowed Channel Negotiation allowed CNEG is prompted if IFC = 1TR6, Numeris, APAC or D70.	

Prompt	Response	Comment	Pack/Rel
CNIE	(NO) YES	Request CNI after an ESN code is dialed. The ESN code could be a Distant Steering Code (DSC), Trunk Steering Code (TSC), NARS Access Code 1 (ACI) or NARS Access Code 2 (AC2). If NCNI > 0 and CNIE = YES, CNI is requested when either one of the conditions is first met. CNIE is prompted when the following occur: • MFC package is equipped • TKTP = DID or TIE • MFC Table = R2MF • MFC signaling table is defined for the route	dpnss-20
CNIT	(NO) YES	Call Number Identification Trace Request MFC Call Number Identification digits only if dialed station has MCTA Class of Service. Prompted when the following occur: 1. MCT and MFC packages are equipped 2. TKTP = DID or TIE 3. MFC = R2MF 4. MFC signaling table is defined on the route	supp-15
CNTL	(NO) YES	Changes to controls or timers	basic-1
CNTY		Country	supp-9
	(ESTI)	ETS 300-102 basic protocol	
	AUS	Austria	
	AUST	Australian UIPE PRI	
	BEL	Belgium	
	CHNA	China	basic-23
	CIS	Commonwealth of Independent States	euro- 23
	DEN	Denmark	
	DUT	Holland	
	EAUS	Australia	ipra-24
	EIR	Ireland	
	ESP	Spain	
	FIN	Finland	
	FRA	France	euro- 23
	GER	Germany	
	HKNG	Hong Kong	
	INDI	India	isdn-24
	INDO	Indonesia	basic-23
	ITA	Italy	
	JAPN	Japan ISDN UIPE connectivity	basic- 23

Prompt	Response	Comment	Pack/Rel
	MSIA	Malaysia connectivity	basic-23
	NET	ETSI network side protocol	
	NOR	Norway	
	PHLP	Philippines	isdn-24
	POR	Portugal	
	SING	Singapore	
	SWE	Sweden	
	SWI	Switzerland (BRI only)	
	TAIW	Taiwan	isdn-24
	TCNZ	New Zealand BRI	
	THAI	Thailand	
	UK	United Kingdom	
CNVT	(NO) YES	Conventional switch route Prompted with Network Signaling (NSIG) package 37.	nars-5
COAT	(NO) YES	Continue Outpulsing After ATO Timer expires	cist-24
COTR	0-511	DID/CO Trunk Reference route number	pra-12
		Determines how incoming public call types are handled for the associated Integrated Service Access route or ISA. Prompted when TKTP = ISA and IFC = D100 or SL-1 and NSF = NO or YES. Precede with X to delete.	
CPDC	(NO) YES	SL-1 is the only controlling party on incoming calls. If CPDC = YES, the connection stays up until it is disconnected by SL-1. This is used for 911 emergency services.	basic-1
CPFXS		Customer-defined Prefixes option.	euroisdn-22
	(YES)	When constructing the Calling or Connected Line Identification, the prefixes are retrieved from the Customer Data Block via the PFX1 and PFX2 prompts in LD 15, as is currently done.	
	NO	When constructing the Calling or Connected Line Identification, the prefixes are retrieved from the Route Data Block via the HNTN and HLCL prompts in LD 16.	

Prompt	Response	Comment	Pack/Rel
CPP	(NO) YES	Calling Party Privacy/Calling Party Privacy Override Flag provisioned for this route A response of YES indicates that the CPP feature is recognized in this trunk route. CPP is prompted only if: CPP package 301 is equipped trunk is either OGT or IAO non-ISDN option trunk route type = COT, DID, FEX or WAT	cpp-24
CRID	(NO) YES	Allow or deny CDR record for SIP to include correlation ID. Prompted when VTRK = YES and PCID = SIP and CDR is turned on for this route.	sip-4.0
CTOC		CIS Toll Outpulsing Criteria	cis-24
	(DTDO)	Dial Tone Detection only	
	AADT	Automatic Number Identification And Dial Tone Connection	
	ANIO	Automatic Number Identification Only	
	AODT	Automatic Number Identification Or Dial Tone Connection	
CTON		Calling Party Number	basic-25.4
	(NCHG)	Call Type will not be changed.	
	UKWN	Unknown call type.	
	INTL	International call type.	
	NATL	National call type.	
	LOCL	Subscriber call type.	
CTYP		Call Type for outgoing direct dialed TIE route	pra-15
	(UKWN)	Unknown Call type	
	CDP	Coordinated Dialing Plan	
	INTL	International number	
	LOC	Location code	
	NPA	National number	
	NXX	Subscriber number	
	SPN	Special Number for other than international number format	

Prompt	Response	Comment	Pack/Rel
		The CTYP is used by the receiving switch so that it can associate a call with a call type and perform ESN access code insertion. This option only applies to direct dialing using trunk access codes. NARS and BARS dialing do not apply here. If you intend to respond YES to prompt ISAR, use the default <CR> for this prompt. If ISAR = YES, then CTYP prints UNWN and does not permit you to enter a response.	
CUST	xx	Customer number associated with this route as defined in LD 15	basic-1
DAPC	(NO) YES	Display of Access Prefix on CLID	isdn-24
DCD		Data Carrier Detect	
	(ON)	Data Carrier Detect lead follows state of lead on device to which it is connected.	
	OFF	Data Carrier Detect lead forced active. Prompted if TKTP = R232 or MCU.	
DCDR	(NO) YES	Include DNIS number in CDR records This prompt appears for ISDN routes to support Network ACD.	dnis-19
DCH	0-159	D-channel number	isdn-16
DCHI	1-15	DCHI Port Number. Prompted when MODE = ISLD. DCHI Port number must be defined in LD 17	pra-12
DCNO	(0)-254	Day IDC tree number	idc-12
DCTI	(0)-511	Time, in seconds, that an extension is allowed to ring or be On-Hold or Call Park before the trunk is disconnected. Respond with a value equal to the number of seconds a set is to ring after recall, plus the value of the Call Park Recall Timer. The Call Park Recall Timer is defined in LD 50 in response to the CPTM prompt. Default or <CR> means that the condition goes on indefinitely. The value stored - which will be the closest lower multiple of four - is echoed back upon entry.	

Prompt	Response	Comment	Pack/Rel
DDLY		DNIS Interdigit Delay	dnis-26
	(NO)	A fixed interdigit delay of 4 seconds is assigned to all digits until NDGT is reached.	
	YES	A fixed interdigit delay of 12 seconds is assigned to the first three digits, and a delay of 4 seconds is assigned to all subsequent digits.	
DDMI		Digit Manipulation Index	nars-5
	(0)-127	Basic Alternate Route Selection	
	(0)-255	Network Alternate Route Selection Prompted with either Basic Alternate Route Selection (BARS) package 57 or Network Alternate Route Selection (NARS) package 58.	
DDO	(NO) YES	Delay Digits Outpulsing for DOD and CO trunks Prompted with International Supplementary Features (SUPP) package 131 and ICOG = OGT or IAO.	supp-15
DEM		Data Equipment Mode. Prompted if TKTP = R232.	basic-18
	(DCE)	Data Carrier Equipment	
	DTE	Data Terminal Equipment	
DES	x...x	Designator field for trunk groups of 0-16 alphanumeric characters including spaces separating inputs (DES is an optional entry).	basic-22
DEXT		Display External dialed digits	icd-12
	(NO)	Do not display original digits	
	YES	Display original digits pre converted Prompted if AUTO = NO, DNIS = NO and IDC = YES.	
DGTP		Digital Trunk Type for route. ISL routes that use Phantom Trunk TNs must be configured as DTI2 routes.	pra-14
	BRI	Basic Rate Interface (Allowed if TKTP = TIE, COT or DID and BRIP = NO)	
	DTI	1.5 Mb/s DTI (If BRIP = NO, then default is DTI)	
	DTI2	2.0 Mb/s DTI	
	JDMI	Japan Digital Multiplex Interface. This response is allowed if either 2 Mbit Digital Trunk Interface package 129 or 2 Mbit Primary Rate Interface package 154 is equipped.	
	PRI	ISDN 23B + D (If BRIP = YES, then default is PRI)	
	PRI2	ISDN 30B + D	

Prompt	Response	Comment	Pack/Rel
DIDD	(0)-15	Number of leading digits ignored for DID call during Overlap Receiving	brit-18
DIG#	1-(4)-9	Number of Digits	mfc-9
DIGS	4-(5)	Number of Digits	mfc-9
DLTN	(NO) YES	Dial Tone on originating calls Provide dial tone to the far end when the trunk has been accessed from the far end.	basic-1
DMOD	1-127	Default Model number for this route (Small Systems, CS 1000S, MG 1000B, and MG 1000T)	basic-16
DNAM	(NO) YES	Display IDC name Prompted with Calling Party Name Display (CPND) package 95. Prompted following NDNO if DNIS = YES.	dnis-17
DNIS	(NO) YES	ACD DNIS route Prompted with Automatic Call Distribution Package D (ACDD) package 50, and the RTYP = TIE or DID.	dnis-10
DNSZ	(0)-7	Number of digits expected on DID routes 0 indicates no fixed number	supp-10
DAPC	(NO) YES	Display of Access Prefix on CLID	isdn-24
DPPI	(1167) nnnn	Privacy indicator for a dial-pulse trunk. Any arbitrary digit (0-9) sequence up to 4 digits may be entered. If CPP prompt is changed from NO to YES and <CR> is entered, DPPI defaults to 1167.	cpp-21
DPPO	(1182) nnnn	Privacy Override Indicator for a dial pulse trunk. nnnn = any arbitrary digit (0-9) sequence up to 4 digits in length. DPPO is defaulted to 1182 if CPP is changed from NO to YES and <CR> is entered	cpp-23

Prompt	Response	Comment	Pack/Rel
DRNG		North American Distinctive Ringing for incoming calls	drng-8
	(NO)	For TIE trunks to provide normal ringing (i.e., make/ break/ make/ break, 0.25 sec./ 0.25 sec./ 2.25 sec. to incoming calls terminating on stations)	
	YES	For CO trunks to provide distinctive ringing (i.e., make/break, one second/two seconds to incoming calls terminating on stations).	
		Distinctive Ringing only applies to CAM, COT, DID, FEX, TIE and WAT trunks. These trunks cannot be configured as outgoing only for prompt ICOG.	
DRNG	(NO) YES	Japan Distinctive Ringing	drng-9
DSBL	(0)-100	Percentage of trunks to be disabled if loss or noise reaches the out-of-service limit	atm-7
DSEL		Data Selection	basic-19
	(VOD)	Voice or Data route	
	DTA	Data-only route	
	TDN	Transparent Data Network	
	VCE	Voice-only route	
	3DTA	Data route and 3.1 kHz	
	3VCE	Voice route and 3.1 kHz	
	7VOD	Route supports voice or data calls and the telephony 7 khz/Video telephony teleservices	euro-24
	7DTA	Route supports data calls and the telephony 7 khz/Video telephony teleservices Prompted if DGTP = DTI, DTI2 or JDMI.	
DSPD		Real Time Advice Of Charge Display	isdn-22
	(NO)	Do not display charge information during call	
	YES	Display charge information during call	
		DSPD applies to Aries sets (M2006, M2008, M2016, M2216, and M2616) on a per route basis. To activate this feature, the prompt MR must be set to either DURC or ENDC.	
DSPT	0-(10)-60	Charge Display Timer in seconds	isdn-22
		DSPT determines how long charge information is display at the end of the call.	
DTD	(NO) YES	Dial Tone Detection	dtd-10

Prompt	Response	Comment	Pack/Rel
DTDF	x y	Dial Tone Detector Fail threshold. Where: • x = increment threshold = 1-(2)-15 • y = decrement threshold = 1-(2)-15	dtd-10
DTOC	(NO) YES	Direct Toll Connection	
DTOS	(NO) YES	Dial Tone on Outgoing Seizure Prompted if SIGL = DAS.	dass2-16
DTPI	(*67) nnnn	Privacy indicator for a digitone trunk Any arbitrary digit (0-9) sequence up to 4 digits can be specified. Only the first digit may be an asterisk (*). If CPP prompt is changed from NO to YES and <CR> is entered, DTPI defaults to *67.	cpp-21
DTPO	(*82) nnnn	Privacy Override indicator for a digitone trunk. nnnn = Any arbitrary digit (0-9) sequence up to 4 digits in length. The Asterisk (*) can only be entered as the first digit. DTPO is defaulted to *82 if CPP is changed from NO to YES and <CR> is entered	cpp-23
DTR		Data Terminal Ready. Prompted if TKTP = R232 or MCU.	basic-18
	(OFF)	DTR lead follows state of the lead on the device to which it is connected	
	ON	DTR lead always forced active	
DTRK	(NO) YES	Digital Trunk Route. Prompted with PBX Interface for: • DTI/CPI (PBXI) pkg 75 • 2 Mbit Digital Trunk Interface (DTI2) pkg 129 • Japan Digital Multiplex Interface (JDMI) pkg 136 • ISDN Primary Rate Access (PRA) pkg 146, or • 2 Mbit Primary Rate Interface (PRI2) pkg 154	dti-5
DUP		Duplex for data port	basic-18
	(FULL)	Full duplex	
	HALF	Half duplex Prompted if TKTP = MCU.	

Prompt	Response	Comment	Pack/Rel
EMGY	(NO) YES	Emergency Route	basic-24
EML	0-15	Expected Measured Loss (in dB)	atm-7
EOS	(NO) YES BSY	No End-of-Selection signal on DID routes End-of-Selection signal is enabled EOS and busy signals are enabled	supp-10
EQAR	(NO) YES	Enable Equal Access Restrictions Prompted when TKTP = CO, FEX, WAT, or ISA, and ICOG = OGT, or IAO.	eqa-17
ESN	(NO) YES	Electronic Switched Network pad control for NT8D15 XEM card. This only applies to trunk routes whose members may use 4-wire E&M or DX signaling on an Electronic Switched Network. This prompt is the replacement for the ESN switch setting on the QPC237 circuit card. When YES is selected, a 1 dB improvement in loss levels is provided on trunk to trunk calls using the NT8D15 units. Prompted with Network Alternate Route Selection (NARS) package 58 and Meridian 1 Extended Peripheral Equipment (XPE) package 203.	xpe-15
FACN	(0) - 99999	Tie or FX facility number.	cbc_pkg-23
FACY	(NO) YES	Facility indicator for Private or TIE connection. Tie connection in the NSF IE Private connection in the NSF IE Trunk routes to a DMS-250 automatically have FACY set to YES. All others default to NO. FACY is prompted when TKTP = TIE, ISAR = YES, and IFC = D100, D250 or S100.	isa-17
FALT	(NO) YES	Recognition of DTI2 ABCD FALT signal for ISL Prompted for DTI2 ISL routes.	pedm-18

Prompt	Response	Comment	Pack/Rel
FEDC		Far End Disconnect Control	basic-1
		This entry should correspond to the type of disconnect control used by the far end apparatus of this trunk route. Loop start trunks may be assigned either ORG or ETH.	
	(ORG)	Originating end control The apparatus recognizes conditions on the near end only for calls originated by the Meridian SL-1. This does not allow trunk to trunk connections.	
	ETH	Either end control Conditions at the near end are recognized for both incoming and outgoing calls. This allows trunk to trunk connections subject to normal access restrictions. (e.g., TGAR)	
		Note: If SUPP (131) package is disabled, then outgoing trunk to trunk transfer is allowed only when the response for FEDC and NEDC is ETH.	
	FEC	Far end control	
		FEC allows trunk to trunk connections. FEC involves the following sequences for disconnect at the near end:	
		When the near end goes on-hook first, the DSI (half disconnect) timer starts. If the far end of the trunk goes on-hook before the DSI timer runs out, then the trunk is idled immediately and the DSI timer is cancelled. If the DSI timer expires, the trunk is locked out until an on-hook is received from the far-end, at which time the SL-1 idles the trunk.	
	JNT	Joint control JNT disallows trunk to trunk connections.	
FGNO	(0)-127	Feature Group D block number	fgd-17
FORM	M1A M2B M3C	Format 1 for CAMA trunk signaling Format 2 for CAMA trunk signaling Format 3 for CAMA trunk signaling	cama-1
FRIN		Forward Release Indefinitely	pedm-18
	(NO)	Forward Release is not resent.	
	YES	Forward Release is resent every time the Disconnect Supervision timer expires and the Disconnect Supervision timer is restarted.	

Prompt	Response	Comment	Pack/Rel
		Prompted if DTRK = YES and DGTP = DTI2.	
FRL	0-7 0-254	Facility Restriction Level (FRL) and New Flexible Code Restriction (NFCR) tree number for this route	basic-1
FRRC	0-(4)-15	Forward Release Repetition Count This represent the number of times a Forward Release signal is resent before an error message is printed, if an acknowledgment is expected but not received. The length of time the software waits for acknowledgment before re-sending the signal is given by the Disconnect Supervision timer. Prompted if FRIN = YES.	pedm-18
FRRD	128-(384)-1920	Forward Release Repetition Delay in milliseconds This is the delay between sending the seize message and the Forward Release. The accuracy of this timer is governed by the accuracy of the 128 millisecond timing queue. Prompted if FRIN = YES and FRRS = YES.	pedm-18
FRRS	(NO) YES	Forward Release Repetition Seize Do not re-seize the trunk before re-sending the Forward Release. Re-seize the trunk before re-sending the Forward Release. Prompted if FRIN = YES.	pedm-18
GCR	(NO) YES	General Carrier Restriction to restrict Equal Access calls.	eqa-19
GRD	(IDLE) PLAY	Ground Start Arrangement RAN machine send ground signal when idle. RAN machine send ground signal when playing.	ranbrd-23 ran-23
HDLC	(NO) YES	High level Data Link Control Prompted if TKTP = MCU and V25 = YES.	basic-18

Prompt	Response	Comment	Pack/Rel
HLCL	0-9999	Home Location Number This number is similar to PFX2 number prompted in LD 15. It is added to this overlay so that this prefix can be configured on a route basis as required in some countries (e.g., Italy). As is the case with PFX2, the HLCL prefix can be from one-to-four digits long. This prompt is displayed only if CPFXS = NO. If only a <CR> is entered, this prompt keeps its previous configuration. If no value was configured previously, no value will be configured. Enter X to delete the digits.	euroidsn-22
HNTN	0-9999	Home National Number This number is similar to the PFX1 number prompted in LD 15. It is added to this overlay so that this prefix can be configured on a route basis as required in some countries (e.g., Italy). As is the case with PFX1, the HNTN prefix can be from one-to-four digits long. This prompt is displayed only if CPFXS = NO. If only a <CR> is entered, this prompt keeps its previous configuration. If no value was configured previously, no value will be configured. Enter X to delete the digits.	euroidsn-22

Prompt	Response	Comment	Pack/Rel
HOLD	ic dc ht	Hold failure threshold. Where: • ic = increment counter = 1-(2)-31 • dc = decrement count = 1-(2)-31 • ht = minimum hold time = 1-(40)-127 seconds The failure to hold applies to trunks which are not properly seized but disconnected sooner than the minimum hold or ht. See prompt ILLR for a description of increment count (ic) and decrement count (dc) values. The default for AID trunks is 2 1 40.	basic-1
HOUR	0-23	Hour to start Automatic Trunk Maintenance test The system outputs xx:15 indicating the test start times are performed 15 minutes after the hour to avoid interactions with traffic reports.	atm-7
IABS	(0)-3	Number of Incoming digits to be Absorbed For CCSA trunks only.	ccsa-1
IANI	(NO) YES	In-band Automatic Number Identification route ISDN must be (NO) for this feature to be enabled. Prompted if AUTO = YES.	ani-15
ICDN	xxxx xxx xxxx (NO)	CLID DN for incoming route (1-7 digits) and CLID entry (0-125) for trunk DN CLID DN for incoming route (1-7 digits) and CLID is not generated for trunk DN ICDN is prompted if ICIS = NO or if the trunk route is not ISDN.	mfc/isdn-22
ICIS	(YES) NO	Incoming Identifier Send Use CLID/CNI from incoming ISDN/R2MFC trunk Do not use CLID/CNI from incoming ISDN/R2MFC trunk ICIS is prompted for incoming routes when ISDN = YES or if the table type of MFCI = R2MF.	mfc/ isdn-22

Prompt	Response	Comment	Pack/Rel
ICNP		Incoming Numbering Plan	mfc-22
	(UKWN)	Unknown	
	PRV	Private	
	PUB	Public	
		ICNP is prompted if table type of MFCI = R2MF and ICIS = YES. ICNP is prompted only if the CLID entry for ICDN = 0-125.	
ICNT		Incoming Numbering Type	mfc-22
	(UKWN)	Unknown	
	INTL	International	
	NTN	National	
	LCL	Local	
	LOC	Location	
	CDP	Coordinated Dialing Plan	
	SPN	Special number	
		ICNT is prompted if table type of MFCI = R2MF and ICIS = YES. ICNT is prompted if CLID entry for ICDN = 0-125.	
ICOG		Incoming and/or Outgoing trunk	basic-1
	IAO	Incoming and Outgoing	
	ICT	Incoming only Trunk	
	OGT	Outgoing only Trunk	
ICPS		Incoming Presentation Status	mfc-22
	(YES)	Provide Trunk DN	
	NO	Do not provide Trunk DN	
		ICPS is prompted if table type of MFCI = R2MF and ICIS = YES. ICPS is prompted if the CLID entry for ICDN = 0-125.	
ID	(0)-9	Identification digit for CAMA trunk routes	cama-1
IDC	(NO) YES	Incoming DID Digit Conversion on this route	idc-12

Prompt	Response	Comment	Pack/Rel
IDEF		Internal/external definition	basic-22
	(NET)	Use network information to define a call as internal or external. Calls over the selected route will receive a network treatment as defined by available network information.	
	LOC	Use local data to define a call as internal or external. Internal calls will receive an internal treatment if RCLS = INT. External calls will receive an external treatment if RCLS = EXT. IDEF is prompted in LD 16 if IDEF = YES in LD 15.	
IDOP	(NO) YES	Identify Originating Party Call Detail Recording for Internal calls to identify forwarding station originating party. Prompted when CFWR = NO	supp-10
IDTB	0-7	ID table index to be used by this Meridian 911 route	m911-19
IEC	001-999	Inter-Exchange Carrier ID Precede with X to remove entry. If no value is entered "???" is printed in the route data block. Prompted when TKTP = COT, FEX or WAT. This value is used for information purposes only.	pra-12
	(0) - xxx (0) - xxxxx	Inter-Exchange carrier providing the service. Prompted if IFC = NI2 and SRVC is 0 - 16, 18, 21 - 31.	
IFC		Interface type for this PRI route. The IFC of an ISA route and its service route must match.	pra-12
	(SL1)	Meridian SL-1	
	1TR6	1 TR 6 for Germany	
	APAC	Asia-Pacific ISDN interface for Australian BRI UIPE PRI, China, Hong Kong, Indonesia, Japan BRI UIPE PRI, Malaysia, Singapore & Thailand.	
	AXEA	Ericsson AXE-10 for Australia	
	AXES	Ericsson AXE-10 for Sweden	
	D70	Interface to Japan D70	
	D100	Meridian DMS-100	
	D25O	Interface to Meridian DMS-250	
	E403	EuroISDN interface for ETS 300 403	euro-24
	EGF4	Q Reference Signalling Point interface	qsig gf-24

Prompt	Response	Comment	Pack/Rel
	ESIG ESGF	ETSI Q reference signalling point (QSIG) Interface ID. ESIG interface with GF platform. ESGF can be entered if QSIG and QSIG GF packages are both equipped. If the Digital Route Type is BRI, then the associated DSLs must be removed before changing the interface type to ESGF.	
	ESS4 ESS5 EURO	Interface to AT&T ESS#4 Interface to AT&T ESS#5 EuroISDN interface	
	ISGF	ISIG interface with GF platform. ISGF can be entered if QSIG and QSIG GF packages are both equipped. If the Digital Route Type is BRI, then the associated DSLs must be removed before changing the interface type to ISGF.	
	ISIG	ISO Q reference signalling point (QSIG) Interface ID	
	JTTC	JAPAN TTC DCH interface ID	jttc- 23
	NI2 NUME	NI-2 TR-1268 interface type Numeris for France	
	S100 SS12 SWIS TCNZ	Meridian SL-100 SYS-12 for Norway SwissNet for PRI2 (SN2) Telecom New Zealand (NEAX-61)	
IHT	2-(30)-62	Outgoing Calling Party Control call disconnect after the far end disconnects. Number of seconds in increments of two after which an incoming Calling Party Control call will disconnect after the far end disconnects.	opcb-14

Prompt	Response	Comment	Pack/Rel
ILLR	ic dc	Illegal Ring threshold. Where: • ic = increment count = 0-(2)-15 • dc = decrement count = 0-(2)-15 ILLR specifies illegal ringing on a seized trunk. ILLR is only prompted for COT, FEX and WAT trunks. The increment count (ic) and decrement count (dc) control the rate at which detected failures exceed the trunk error threshold. A counter (initially set to zero) records trunk successes and failures. The counter is incremented by the IC value each time a failure is detected, and by the DC value when a valid trunk condition is detected. When the counter value exceeds the trunk threshold value (30), the overflow indicator is set, and a TRKxxx message displays. A high IC value increases the counter more rapidly than a low IC value, thus causing the counter to exceed the threshold with fewer detected failures. The threshold counter only preserves positive values. If the counter contains a negative value, it automatically resets to zero. The next detected failure immediately increases the counter toward the threshold value, enabling quicker trunk failure detection. ic dc = threshold percentage • 41 = 20% • 21 = 33% • 32 = 40% • 22 = 50% • 24 = 67% • 13 = 75% • 14 = 80% • 17 = 88% The RSET command in LD 36 resets the threshold counters to zero.	basic-1

Prompt	Response	Comment	Pack/Rel
IMBI	(NO) YES	Immediate Break-In Line signal is required before Break-In. Prompted when MFC = R2MF, MFCI = a valid MFC table.	opcb-14
IMCB	(NO) YES	Immediate Call Back Desired party will be re-rung if IMCB = YES. Prompted when MFC = R2MF, MFCI = a valid MFC table.	opcb-14
INAC	(NO) YES	Insert ESN Access Code to incoming private network call INAC permits an ESN access code to be automatically added to an incoming ESN call from a private network. If INAC = YES, then digit insertion (INST) for NARS or BARS calls is bypassed and Access Code 1 (AC1) is used for all call types. However, calls may be specifically defined to use Access Code 2 (AC2) in LD 15 at the AC2 prompt. INAC is prompted when the route type is either a TIE trunk or an IDA trunk with DPNSS1 signaling.	pra-21
INC	(NO) YES	CDR records generated on incoming calls	cdr-1
INC_T306	0-(2)-T306	Incoming T306 timer value T306 is the variable timer for received DISCONNECT messages on incoming calls. This T306 allows in-band tones sent by the network to be heard. This timer is stored in 2 second increments. Listed below are region-specific T306 values: APAC region — T306 max value (in seconds) Australia 60 China 30 Hong Kong 30 Indonesia 30 Japan 30 Malaysia 30 New Zealand 30 Singapore 30 Thailand 30	bri-20
INDMF	(NO) YES	Indian R2MFC Operations Disabled. Indian R2MFC Operations Enabled.	mfc- 23

Prompt	Response	Comment	Pack/Rel
INST		Insert. Not prompted when DNIS = YES.	basic-1
	0-99999999	Digits to be inserted before leading digit	
	<CR>	No digits are entered	
	X	Precede with X to remove entry	
INT		Interworking	basic-18
	(OFF)	Far end data unit is not a DMS-100 or SL-100 Data Unit	
	ON	Far end data unit is a DMS-100 or SL-100 Data Unit Prompted if TKTP = MCU.	
INTC	(NO)	Do not intercept voice calls which call data sets to an attendant	euroisdn-22
	YES	Intercept voice calls which call data sets to an attendant	
IPUB	0-511	Incoming Public Network call service route.	cbc_pkg-23
ISAR	(NO)	Integrated Service Access Route denied	pra-12
	YES	Integrated Service Access Route allowed This prompt indicates whether this route is to be used as a service or reference route for the Integrated Service Access or ISA feature. ISAR can only be YES when there are no trunk assignments in LD 14.	
ISDN	(NO) YES	Integrated Services Digital Network Defaults to YES when DGTP = PRI or PRI2 and REQ = NEW. Prompted for BRI routes when REQ = CHG. Prompted when ISDN = YES in LD 15 and with ISDN package 145.	pra-12
		Select YES to allow MLPP over N1-1 PRI trunks	atvn-25.47
ITDN	xxxx	Intercept DN (up to 8 digits) The DN to which incoming calls which failed to provide ANI are transferred.	cist-24
ITOL	(DENY)	Deny International toll calls (i.e., 011+calls)	eqa-17
	ALOW	Allow International toll calls	
JDGT	1-(4)	Japan central office Digits This indicates the number of address digits sent from the CO to the Meridian 1. If the number of digits is not known, set the parameter to (4).	xutj-16

Prompt	Response	Comment	Pack/Rel
LAST	(NO) YES	CDR record printing content option for redirected calls. The Terminating ID field in the CDR record will contain the one before the last party. The Terminating ID field in the CDR record will contain the last party.	cdr-1
LCNO	0-255	Line identities Conversion tree Number Enter tree number for DCNO tree in LD 49, to be used for converting Line Identities. Prompted if LID = 2.	dass2-16
LEC	0 - 9999999	Local Exchange Code LEC is used for building ANI messages. LEC is prompted if: 1. Commonwealth of Independent States (CIST) package 221 is equipped 2. ICOG = OGT 3. TKTP = COT (for analog trunks, TKTP must = DID) 4. DGTP = DTI2 May be from 0 up to the ANSZ length. Prompted for outgoing CIS route. Used for building ANI message if ANIC is NO or if ANIC=YES but the ANI entry associated with the originator of the call is not configured.	cist-21
LGTH	4-(60)- 7200	Maximum message length in seconds. For fault detection purpose. Applicable to MPUL, MLVL & MCON RAN machine types.	ranbrd- 23 ran- 23
LID	(0)-2	Line Identities option. Where: • 0 = do not send ISDN Line Identities • 1 = send ISDN Line Identities • 2 = convert and send ISDN Line Identities Prompted with Integrated Digital Access (IDA) package 122 and SIGL = DAS	dass2-16
LMNL	0-15	Loss deviation Maintenance Limit (in dB)	atm-7
LOCD	(6) 7	Number of digits used in a local call by the far end Central Office	mfc-9

Prompt	Response	Comment	Pack/Rel
LOUT	0-15	Loss Out-of-Service deviation limit (in dB)	atm-7
MANO	(NO) YES	Manual Outgoing trunk route Define the manual DN in LD 14 at prompt MNDN.	basic-1
MAX	1-510	Maximum number of channels allowed on the ISA route, service dependent. The value entered is the maximum number of trunks limited by this service route. This value must match the one assigned at the CO. For example, if MAX = 8 for Tie routes, no more than 8 channels can be used simultaneously for Tie calls. Prompted when: 1. ISAR = YES and IFC = ESS4, or 2. NSF = YES and IFC = SL-1 or D100 for the selected ISA route defined by response to RTN prompt.	isa-12
MBGA	(NO) YES	MBG Interface on the D-channel Prompted if Network Tenant Service feature active.	brit-18
MCCD	0- 8	The call trace request string can be 0-8 digits in length. Valid digits are 0-9, *, #.	emct-20
MCDT	(0)-4	Digit string delay time is in seconds. Granularity is 1 second.	emct-20
MCTM	(0)- 30	Malicious Call Trace request timer id (in seconds) This is the disconnection delay which is used when the far end goes on hook. Granularity is 1 second. Prompted if interface type for the D-channel is AXE-10 Australia.	mct-10
MCTS	(NO) YES	Malicious Call Trace Signal	emct-20
MDMP	(NO) YES	Modem Data Module Pair ADM only route Modem Data Module Pair route	adm-5
MDTD	1-(5)-31	Minimum Dial Tone Detection delay	dtd-10

Prompt	Response	Comment	Pack/Rel
MFC		Multifrequency Compelled (MFC) Signaling	mfc-9
	(NO)	No MFC Signaling	
	YES	Multifrequency Compelled or MFC Signaling	
	CMFS	CIS MFS route. This response is allowed only if both the CIST and CSMFS packages are equipped and only for the outgoing CO DTI2 routes and for the incoming DID DTI2 routes.	cismfs-23
	MFE	Multifrequency Compelled Signaling for Socotel	mfe-10
	MFK5	2/5 Spanish KD3 MF Signaling	kd3-20
	MFK6	2/6 Spanish KD3 MF Signaling	kd3-20
MFCI	1-127	MFC Incoming table number Where 0 = Remove outgoing table	mfc-9
MFCO	1-127	MFC Outgoing table number Where 0 = Remove outgoing table	mfc-9
MFEA	(YES) NO	Access code signals are used in the signaling	mfe-10
MFED	0-(1)-9	First digit of special service call Precede with X to remove.	mfe-10
MFEI	(0)-127	MFE table number for Incoming calls Where 0 = Remove incoming table	mfe-10
MFEO	(0)-127	MFE table number for Outgoing calls Where 0 = Remove outgoing table	mfe-10
MFKI	1- 127	MFK table number for Incoming calls	kd3-20
MFKO	1- 127	MFK table number for Outgoing calls	kd3-20
MFSS	(B1) B2 B3	Specifies the first MFS digit request backward signal used by the incoming CDTI2-MFS trunk for the requesting the next digit from the outgoing CIS CO party. The MFSS is prompted only if the MFC is set to CMFS only for incoming routes.	cismfs-23

Prompt	Response	Comment	Pack/Rel
MIN	0-510	Minimum number of channels allowed on the ISA route, service dependent For example, if MIN = 2 for Tie routes, at least two channels will be available for Tie calls. Prompted when: • ISAR = YES and IFC = ESS4 • NSF = YES and IFC = SL1 or D100 for the selected ISA route defined by response to RTN prompt.	isa-12
MOD	(NO) YES	Network Mode for synchronous operation Modem Mode for synchronous operation Prompted if TKTP = MCU and TRAN = SYN.	basic-18
MODE		Mode of operation	pra-12
	APN	Analog Private Network APN is allowed only with Integrated Services Digital Network Signaling Link (ISL) package 147 and Digital Private Signaling System 1 (DPNSS) package 123.	
	ISLD	Route uses ISDN Signaling Link (ISL) ISLD is allowed only if ISDN = YES, and the Integrated Services Digital Network Signaling Link (ISL) package 147 is equipped. ISLD is allowed only on ISA and TIE trunks.	
	PRA	ISDN/PRA route, DTRK must be YES PRA allowed only if ISDN = YES.	
	<CR>	Default is NULL for service/reference routes If you enter YES to prompt ISAR, then use the default <CR> for this prompt. If ISAR is YES, then MODE prints NULL and does not allow a response.	
MON	(NO) YES	Monitoring for route	basic-12
MQC_FEAT		MCDN QSIG Feature type	meet-24
		Prompted if RECAP = MQC Precede MQC Feature type with X to remove	
	NAS	MCDN NAS functionalities are supported over QSIG	
	NACD	MCDN NACD functionalities are supported over QSIG	
	NMS	MCDN NMS - MC functionalities are supported over QSIG	

Prompt	Response	Comment	Pack/Rel
MR		Message Registration If a 1TR6 trunk route is created where TKTP = COT or DID, MR is automatic and is not prompted. However, if TKTP = TIE, then MR is not applicable to the route and is not prompted.	mr-10
	(NO)	The route is not metered. If MR is set to NO, the trunk should have a Polarity Insensitive Class of Service in LD 14. (CLS = PIP)	
	DURC	The AOC information is decoded during and at the end of the call. IFC must be set to NUME or SWIS.	
	ENDC PPM RVB	The AOC information is decoded at the end of the call Buffered PPM signals to be counted on this route Reverse Battery signal from PSTN for CO interrupted as supervisory signal and used as MR on this route.	
	STAC XLD	Activation of the AOC-S sub-service M & MM Lead non-buffered is used. This is the only metering type allowed for TKTP = IDA and SIGL = DAS. MR is not prompted for Danish and Swedish EuroISDN interfaces as AOC is not supported for those countries.	
MRT	0-511	Music Route number Route 31 can be configured an exclusively private route in LD 16. MRT defines the Music Route number for Recorded Announcement queueing.	mus-1 ranbrd-23 ran-23 mus-23
MTND	(NO) YES	Malicious Call Trace Tandem Disconnect delay for AXE10 interface If set to YES the disconnect operation is delayed at the node closest to the CO for up to MCTM time when the call is a tandem call.	emct-20

Prompt	Response	Comment	Pack/Rel
MULT	(NO) YES	Multiplier for Charge Information Do not change calculation of charge information. Provide the exact cost of charge information if the RURC exponent is configured to the value of the multiplier. Your response to MULT should be YES when the Central Office sends charge information in one hundredth of currency and the currency multiplier is less than 1. The multiplier exponent should be equal to the RURC exponent. This is only used with functional protocol.	isdn-22
MUS	(NO) YES	Music on Hold	mus-1
MWRT	0 - (2) - 15	Message Waiting Retry Timer. This prompt is only printed if the RCAP is set to either QMWI or QMWO. The value entered is the number of re-tries to be effected after a SETUP timeout.	qsig-ss-25.4
MWTO	(15) - 30	Message Waiting Time-out timer in seconds. This prompt is only printed if the RCAP is set to either QMWI or QMWO. The value entered is the duration of a timer started when a SETUP message is sent to set up a connection-oriented, call-independent connection for MWI transport. The timer is stopped on receipt of a CALL PROCEEDING message.	qsig-ss-25.4
MXTI	0-(5)-15	Maximum Time to wait for the far end to connect to test line (in seconds)	atm-7
M911_ABAN	(NO) YES	Meridian 911 Call Abandon Abandoned call treatment is not used on this route Abandoned call treatment is used on this route	m911-21
M911_ANI	(NO) YES	Receive ANI for Meridian 911 routes. The M911_ANI prompt acts as a gate opener for Meridian 911 prompts and should always be YES. Prompted with Meridian 911 (M911) package 224 and TKTP = DID.	m911-19
M911_FORM	(1) 2	Automatic Number Identification Format 1 = NPD (1 digit) +7-digit ANI 2 = II (2 digits) +10/20-digit ANI	m911-25

Prompt	Response	Comment	Pack/Rel
M911_TONE		Meridian 911 Tone	m911-21
	(YES)	Tone given on answer	
	NO	Tone not given on answer	
M911_TRK_TYPE		Meridian 911 ANI trunk types	m911-19
	(T911T)	E911 tandem connections	
	911E	End office connection	
NACC		Network access control	pagenet-22
	(PGNR)	Paging route is PAGENET restricted	
	PGNC	Paging route is PAGENET controlled	
	PGNU	Paging route is PAGENET uncontrolled NACC is prompted if TKTP = PAG and PAGENET package 307 is equipped.	
NADT	(0)-255	No-Answer Disconnect Timer (in seconds) Only for 2.0 Mb/s DTI trunks.	isdn-10
NASA	(NO) YES	Network Attendant Service Allowed Only prompted if IFC is SL1	nas-20
NATL	(YES) NO	North American Toll scheme; a toll call has 0 or 1 as first or second digit. If NXX second digit is “1” set NATL to “NO” and answer “0” “1” to TDG. All toll digits for TDG prompt can be removed by a YES response if REQ = CHG. Repeat LD 16 with a NO response to add toll digits.	cdr-13
NCNA	(YES) NO	Network Calling Name Allowed Prompted if ISDN = Yes.	pra-13

Prompt	Response	Comment	Pack/Rel
NCNI	(0)-7	Request CNI after the defined number of digits are received. If NCNI = 0, CNI request does not depend on the number of digits received. If NCNI is defined to be greater than the number of digits required for routing the call, CNI will not be requested but the call is routed. Prompted when the following occur: • Multifrequency Compelled Signaling (MFC) package is equipped • TKTP = DID or TIE • MFC Table = R2MF • MFC signaling table is defined for the route	dpnss-20
NCOS	(0)-99	Network Class of Service group number. Prompted if TKTP = TIE.	pra-13
NCRD	(NO)YES	Network Call Redirection allowed YES allows Network Call Redirection messages to be sent or blocked if NCRD = (NO). Network Call Redirection can occur without having NCRD = YES. This prompt only controls the sending of Network Call Redirection messages, not the actual redirection of the call. When NCRD = YES, the message supplied provides information for the CLID display. When NCRD = (NO), the call is redirected without the CLID redirection information if CLID is enabled.	pra-14
NCTH	(0) - 100	Number of Calls Waiting Threshold. Prompted only if BDCT = YES and for Start/Stop RAN machine with STRT = DDL. Default value zero means no threshold applies.	ranbrd- 23 ran- 23
NDGT	1-(4)-7 1-(4)-31	Number of DNIS Digits expected Number of DNIS digits required on the route The extension to 31 digits is only available for DID, TIE or IDA routes.	dnis-10 dnis-24

Prompt	Response	Comment	Pack/Rel
NDIG	(2)-10	Number of Digits in numbering plan at conventional main switch Prompted if SIGO = STD and CBQ = YES.	casm-1
NDNO	0-254	Night IDC tree number When REQ = NEW default is the DCNO tree defined. Otherwise, there is no default value.	idc-14
NDP		Number of Digits Printed NDP affects dialed digits including EES digits with one exception. When both ECDR = YES in LD 15 and OPD = YES in LD 16, NDP affects only the outpulsed digits; the EES digits *are not* affected.	isdn-15
	INC 0-32 EXC 0-32 <CR>	Output the first 0-32 digits Suppress the last 0-32 digits If REQ = NEW, output all digits and suppress none.	
NDRI	(0)-4	Network Distinctive Ringing Index (0) = Default/undefined	edrg-16
NEDC		Near End Disconnect Control This entry determines the type of control exercised by the Meridian SL - 1 on trunk disconnections.	basic-1
	(ORG)	Originating end control The far-end on-hook condition is recognized only for incoming calls. Far end conditions are ignored for outgoing calls. ORG is default for TIE, DID and CCSA trunks.	
	ETH	Either end control If the far end goes on-hook for either incoming or outgoing calls, the on-hook condition is recognized and the call is disconnected. ETH is the default for all trunks except TIE, DID and CCSA trunks. ***Note:*** If SUPP (131) package is disabled, then outgoing trunk to trunk transfer is allowed only when the response for FEDC and NEDC is ETH.	
NMNL	27-90	Noise Maintenance Limit (in dBrn)	atm-7

Prompt	Response	Comment	Pack/Rel
NMSG	(0)-30	Number of times Message is repeated	mfc-24
NODE	a...a	Node ID. For CS 1000S system. The Node ID can have a maximum of 4 numeric characters.	basic-2
NOUT	27-90	Noise Out-of-Service limit (in dBrn)	atm-7
NPA	nnn	Numbering Plan Area	m911-19
NPID	0-9	Numbering Plan Digit or Information Digit If <CR> is entered, the NPID table is created.	m911-19
NPID_TBL_NUM	0-7	Meridian 911 route table index The ID table must be created before this prompt can be answered.	m911-19
NRT	0-511	Notification Route number	mfc-24
NSF	(NO) YES	Network Service Facility Prompted when TKTP = ISA and IFC = D100 or SL1. When NSF = YES, the ATB traffic counter is incremented when the MAX value is reached in the service route.	pra-12
NTOF	(YES) NO	Near To Far measurement See prompts REF, TST and PADL.	atm-7
NTOL	(DENY) ALOW	Deny North American Toll calls (i.e., 1+ calls) Allow North American Toll calls	eqa-17
OABS	0-9	Actual outgoing toll digits to be ignored for Code Restriction OABS is frequently used with 1+calls. Precede with X to remove.	basic-1
OAL	(NO) YES	CDR on outgoing calls If answer supervision is defined for the trunk, CDR records will only be generated on call completion.	cdr-1

Prompt	Response	Comment	Pack/Rel
OAN	(YES) NO	CDR timing starts On Answer supervision of outgoing calls Prompted if OAL or OTL = YES. This prompt only applies to trunks with answer supervision CLS = PSP, or SUPN = YES. With International Supplementary Features (SUPP) package 131, the default is NO. Without SUPP package 131, the default is YES.	
OGDN	xxxx xxx	CLID DN for outgoing route (1-7 digits) and CLID entry (0-125) for trunk DN	mfc/isdn-22
	xxxx (NO)	CLID DN for outgoing route (1-7 digits) and CLID is not generated for trunk DN OGDN is prompted if ICIS = NO or if the trunk route is not ISDN.	
OGIS		Outgoing Identifier Send	mfc/isdn-22
	(YES)	Use CLID/CNI from incoming ISDN/R2MFC trunk or from the calling set. If OGIS = YES and the incoming trunk is R2MFC, the CNI form the incoming trunk CLID/CNI will be used in the CLID.	
	NO	Do not use CLID/CNI from incoming ISDN/R2MFC trunk or from the calling set. OGIS is prompted for outgoing routes when ISDN = YES or if table of MFCI = R2MF.	
OGNP		Outgoing Numbering Plan	mfc/isdn-22
	(UKWN)	Unknown numbering plan	
	PRV	Private	
	PUB	Public OGNP is prompted only if the CLID entry for OGDN = 0-125.	
OGNT		Outgoing Numbering Type	mfc/isdn-22
	(UKWN)	Unknown numbering type	
	CDP	Coordinated dialing plan	
	INTL	International number	
	LCL	Local number	
	LOC	Location number	
	NTN	National number	
	SPN	Special Number OGNT is prompted if CLID entry for OGDN = 0-125.	
OGPS		Outgoing Presentation Status	mfc/isdn-22
	(YES)	Provide Trunk DN	
	NO	Do not provide Trunk DN OGPS is prompted if the CLID entry for OGDN = 0-125.	

Prompt	Response	Comment	Pack/Rel
OHQ	(NO) YES	Off-Hook Queuing Used in NARS for incoming TIE callers.	ohq-1
OHQT	(0)-63	Off-Hook Queue Threshold BARS/NARS availability test. Compare with current P3 calls.	ohq-1
OHT	0-(30)-126	Off-Hook Timer	opcb-14
		Number of seconds in increments of two after which an outgoing Calling Party Control call will disconnect after the far end disconnects.	basic-24
		Prompted when CNTL = YES and OPCB = YES.	
OHTD		Off-Hook Timer Delay	basic-1
	(NO)	Masks the far end Off-Hook for up to 384 ms measured from the end of the interdigit pause of the digit send out.	
	YES	Masks the far end Off-Hook for up to 2 seconds.	
OHTT	0-(30)-62	Toll Off-Hook Timer	pemd-18
		Number of seconds in increments of two after which a toll outgoing Calling Party Control call will disconnect after the far end disconnects. Toll calls are identified by the responses to TDG and SSL.	
		Prompted when CNTL = YES and OPCB = YES.	
OPA	(NO) YES	Will generate CDR or CDAS record for PPM pulses.	isdn-10
OPCB	(NO) YES	Operator Call Back OPCB features to be assigned to this route. Prompted when: • TKTP = DID • NEDC = ETH • FEDC = ETH • CPDC = NO • CNTL = YES • Operator Callback (OPCB) package 126 is equipped.	opcb-14
OPD	(YES) NO	Outpulsed Digits in CDR Dialed digits in CDR	cdr-12

Prompt	Response	Comment	Pack/Rel
		System must be initialized for changes to the OPD settings to take effect. Prompted when OTL = YES, OAL = YES or OAN = YES.	
OPDL	(0)-8064	Outpulsing Delay, in milliseconds If required for JDMI, OPDL = 3000 milliseconds. Prompted when DGTP = DTI2 or JDMI.	pra-14
OPE	(NO) YES	Change data port or operating parameters Prompted only if TKTP = R232, R422 or MCU.	basic-18
OPP	(NORM)	Operator originated calls receive normal treatment for busy and intercept situations	mfc-15
	ATT	Operator originated calls routed to attendant for busy and intercept situations	
OPR	(NO) YES	Outpulsing Route	opao-10
		All trunk members for an OPR must have DTN CLS, unless they are on Route 31 or Private Line Routes. When RPA = YES, the default is YES.	
		Prompted with Outpulsing of Asterisk "*" and Octothorpe "#" (OPAO) package 104, and prompted when TKTP = COT, DID, FEX, TIE, or WATS.	
OTL	(NO) YES	CDR on Outgoing Toll calls	cdr-1
		If answer supervision is defined for the trunk, CDR records will only be generated on call completion. Prompted when OAL = NO and Route = CAMA, CO, DID, FX, or WATS.	

Prompt	Response	Comment	Pack/Rel
OUT_T306	0-(30)-T306	Outgoing T306 timer value T306 is the variable timer for received DISCONNECT messages on outgoing calls. This T306 allows in-band tones sent by the network to be heard. This timer is stored in 2 second increments. Listed below are region-specific T306 values: APAC region — T306 max value (in seconds) Australia 60 China 30 Hong Kong 30 Indonesia 30 Japan 30 Malaysia 30 New Zealand 30 Singapore 30 Thailand 30	bri-20
OVLR	(NO) YES	Overlap Receiving allowed Not prompted if IFC = Numeris.	ovlp-15
OVLS	(NO) YES	Overlap Sending allowed. This prompt appears for the following APISDN interfaces which support Overlap Sending: AUST, HKNG, SING, TCNZ, THAI. OVLS is not prompted if IFC = Numeris.	ovlp-15
OVLT	(0)-8	Inter-INFO Timer during Overlap Sending. This prompt appears only for APISDN interfaces which support Overlap Receiving: THAI.	ovlp-15
PADL	0-63	Pad factor for loop around (in dB) This is the far end tone level, plus the total pad loss at both ends on two trunks.	atm-7
PADT	0-63	Pad factor for T100 test line (in dB) This is the near end tone level, plus the total pad loss at both ends.	atm-7
PANS	(YES) NO	Pseudo-Answer can be sent on some types of trunks as soon as end of dialing is detected. Pseudo-Answer is not sent on any type of trunk. SUPN in LD 14 should be YES, or PANS = YES has no meaning.	supp-14
PAR	(SPAC)	Data port Parity Space	basic-18

Prompt	Response	Comment	Pack/Rel
	EVEN MARK ODD	Even Mark Odd Prompted if TKTP = R232, R422 or MCU.	
PBDO	(OFF) ON	Port Busy upon DTR Off Prompted if TKTP = R232, DEM = DCE and DTR = OFF.	basic-18
PCID	H323 SIP	Protocol ID for the route. Protocol ID for the SIP route.	basic-2 basic-4.0
PECL	(NO) YES	Periodic Clearing Signal Not supported on XCOT.	supp-14
PGPN	0-15	Protocol Set Group. This entry must be consistent with Protocol Group Number (PGPN) entry in LD 27.	mph-18
PII		Privacy Indicator Ignored	cpp-23
	(NO)	Calling Party Privacy Indicator is honored and the existing functionality is maintained.	
	YES	The Calling Party Privacy Indicator is ignored. When PII is set to YES, the CLID Presentation Indicator field in the Calling Party Number IE is changed from restricted to allowed and the CPND Indicator field in the Display IE is changed from denied to allowed. ***Note:*** The PII prompt is shown for information purposes only. The PII prompt only applies to North American ISDN interfaces: DMS100, DMS250, ESS4, ESS5, and NI2.	
PLEV	0-(2)-7	Priority Level Priority Level 2 sets can override sets of Level 1 and 2, and can be overridden by sets of Level 2-7. Prompted with Priority Override/Forced Camp-On (POVR) package 186 or Enhanced DPNSS1 Services (DPNSS_ES) package 288.	povr-20
PNDL	2-(6)-10	Process Notification Delay Timer in seconds	mfc-24

Prompt	Response	Comment	Pack/Rel
PNI	(0)-32700	Private Network Identifier Each customer data block must have a unique PNI when equipped with the multi-customer option. PNI = 1 is typical for customer 0. It must match the PNI in the far end CDB in order to support such features as NRAG, NACD and NMS. The PNI in the RDB functions as a logical customer number for routing outgoing non-call-associated Transaction Capability Application Part or TCAP facility messages to the appropriate ESN translations within the far end PBX. Using the default value of PNI = 0 prevents operation of features such as NRAG, NACD and NMS. ***Note:*** Requires package 148 (NTWK)	pra-12
PNNC	(NO) YES	Process Notification Networked Calls	mfc-24
PNPS	(0)-30	Interval between messages (2 seconds increments)	mfc-24
POST	 DIS ATT	RAN Post announcement treatment Disconnect after maximum repetitions Route to attendant after maximum repetitions	ran-1
PRDL	(NO) YES BSY	No Partial Dial timing on DID routes Partial Dial timing is equipped using EOD Busy signal is sent on time-out	supp-10
PREM	(NO) YES	Preemption allowed on this route. If SLP package is equipped, then COT, DID, FX, ISDN and Tie trunk types can be preemptable.	atvn-25.47
PRIV	(NO) YES	Route is not a Private line route Route is a Private line route Any COT route can be a private route. Prompted if TKTP = COT and REQ = NEW.	basic-14

Prompt	Response	Comment	Pack/Rel
PROG		Progress	euroisdn-22
	NCHG	Send a PROGRESS signal when a CALL PROCEEDING message which contains a progress Indicator Information Element is received at the Meridian 1 EuroISDN gateway. NCHG is the default for all interfaces except Australian and Austrian. NCHG is not supported with Japan interface.	
	MALE	Send an ALERT signal when a CALL PROCEEDING message which contains a progress Indicator Information Element is received at the Meridian 1 EuroISDN gateway. MALE is the default for Japan interface.	
	MCON	Send a CONNECT signal when a CALL PROCEEDING message which contains a progress Indicator Information Element is received at the Meridian 1 EuroISDN gateway. MCON the default for Australian and Austrian interface.	
PR_RTN	(NO) YES	Path Replacement Retain Option is supported by the far end Private Integrated Services Network Exchange.	qsig ss- 23

Prompt	Response	Comment	Pack/Rel
PR_TRIGS		Path Replacement Triggers are set to their default values: DIV 2 3 CNG 2 3 XCON 2 3 2 Path Replacement attempts with a delay of 3 minutes for Diversion and Congestion triggers but Connected number is not a trigger.	qsig ss-23
	DIV xx y CNG xx y CON xx y	Diversion is used to trigger Path Replacement. Congestion is used to trigger Path Replacement. A Connected number different from a called number is used to trigger Path Replacement. xx = 0 - 15, the number of Path Replacement attempts. y = 1 - 7, the delay between two Path Replacement attempts in minutes. Precede with X to remove.	
PSDS	(NO) YES	Public Switched Data Service Prompted if TKTP = MCU.	basic-18
PSEL	(DMDM) TLNK	DM-DM Protocol Selection T-link Protocol Selection TLNK protocol is used by SL-100 and DMS data devices, DM-DM is used by Meridian 1 data devices such as ASIM, AIM, ADM, SADM, Asynch Data Option or ADO, and MPDA. MCA uses both protocols. PSEL is prompted if TKTP = R232, R422, or MCU.	basic-18
PTUT	0-510	Preference Trunk Usage Threshold	mfc-24

Prompt	Response	Comment	Pack/Rel
PTYP		Port Type at far end The response to this prompt is used in determining the required transmission level. Refer to *Transmision Parameters* (553-3001-182) for more information.	basic-5
	Analog TIE trunk routes:		
	(ATT)	Analog TIE trunks	
	AOT	Analog TIE trunk, used instead of ATT whenever the PBX has one or more digital satellite trunk routes or DST to any digital satellite PBX which includes OPX telephones.	
	AST	Satellite PBX TIE or ESN trunks if SAT = YES	
	Digital TIE trunk routes:		
	(DTT)	Digital or combination TIE trunk	
	DCT	Combination satellite PBX TIE trunk	
	DST	Digital satellite PBX TIE trunk (allowed if SAT = YES or NO)	
	Analog CO trunk routes:		
	(ACO)	Analog CO trunk	
	ATO	Analog toll office trunk	
	Digital CO, FEX, DID, and WAT trunk routes:		
	(DCO)	Digital or combination CO port	
	DTO	Digital or combination Toll Office trunk	
	1.5 Mb/s PRI TIE trunk routes:		
	(PRI)	B-channel port classification	
	DTT	Digital or combination TIE trunk	
	DCT	Combination satellite PBX TIE trunk	
	DST	Digital Satellite PBX TIE trunk	
	1.5 Mb/s PRI CO, FEX, DID, and WAT trunk routes:		
	(PRI)	B-channel port classification	
	DCO	Analog CO trunk	
	DTO	Analog toll office trunk	

Prompt	Response	Comment	Pack/Rel
QREC	(NO) YES	CDR ACD Q initial connection records to be generated	cdr-1
R2MD	(NO) YES	R2 modification	mfc-9
RACD	(NO) YES	Route traffic information in ACD Reports Enter YES only if the route is used as the Interflow DN of at least one ACD DN and the Interflow Trunk traffic is desired. Prompted for COT, TIE, DID, WAT, FEX and RAN trunk types. Actual ACD Report format output examples are included in the *ACD Management Reporting* NTP.	acd-12
RANH	x...x	RAN or Music route which will be used after post treatment, where: • x...x = 0-511 for Large System and CS 1000E • x...x = 0-127 for Small System, CS 1000S, MG 1000B and MG 1000T Precede with x to remove.	atan-25.4
RANR	x...x	RAN Route number for the desired RAN route, where: • x...x = 0-511 for Large System and CS 1000E • x...x = 0-127 for Small System, CS 1000S, MG 1000B and MG 1000T	ranx-20
RANX	(NO) YES	RAN for calls diverted to external trunks RAN not requested when a call is forwarded to this route. RAN requested when a call is forwarded to this route. Prompted when: 1. TKTP = COT 2. RPA = NO 3. DSEL = VCE or VOD 4. ICOG = IAO or OGT	ranx-20
RCAL	(NO) ATT DRA	Deny Manual Service Recall Allow Manual Service Recall DID Recall to Attendant for DTI2 trunks RCAL is prompted when TKTP = DID or COT	supp-10

Prompt	Response	Comment	Pack/Rel
RCAP		Remote Capabilities. Precede with X to remove a configured capability. This prompt will be repeated until <CR> is entered.	supp-10
	BRI	ISDN Line/Trunk interworking. Default for all Asia Pacific interfaces.	
	CCBI	Call Completion to busy subscriber using integer value for operation coding CCBO/CCBI are mutually exclusive.	qsig ss-24
	CCBO	Call Completion to busy subscriber using object identifier for operation coding CCBO/CCBI are mutually exclusive	qsig ss-24
	CCBS	Call Completion to Busy Subscriber for QSIG and EuroISDN BRI interfaces. CCBS is allowed if QSIG supplementary services package 316 is equipped.	
	CCNI	Call Completion on no response using integer value for operation coding CCNO/CCNI are mutually exclusive.	qsig ss-24
	CCNO	Call Completion on no response using object identifier for operation coding CCNO/CCNI are mutually exclusive.	qsig ss-24
	CCNR	Call Completion to No Reply for QSIG and EuroISDN BRI interfaces. CCNR is allowed if QSIG supplementary services package 316 is equipped.	
	COLP	Connected Number IE Presentation is supported on far end. COLP is supported on Indonesian interfaces, not as a default because it can be configured. Default value for ESIG, ISIG, NI2 and EUROISDN interfaces except for AUS, EIR, DUT, BEL and FRA interfaces.	basic- 23
	CTI	Call Transfer Integer CTI and CTO are mutually exclusive.	qsig ss-24
	CTO	Call Transfer Object CTI and CTO are mutually exclusive. Add call transfer notification remote capability to the EuroISDN interface. Precede with ‘X’ to remove capability.	qsig ss-24 bne-25
	XCOLP	Remove COLP Default value for all APAC, AUS, EIR, DUT, BEL and FRA interfaces. This prompt is issued only for UIPE-based protocols.	

Prompt	Response	Comment	Pack/Rel
	CPK	Network Call Park.CPK is allowed if IFC = SL1 and CPRKNET package 306 is equipped.	
		QSIG SS Call Diversion Notification remote capability. Configure sending of QSIG Diversion Notification Information, treatment of Rerouting request and coding of operations. If coded as Object Identifier, the remote capability ends with 'O", whereas for Integer Value, the remote capability ends with 'I'. Only one remote capability is allowed.	qsig ss- 23
	DV1I	Diversion information is sent to remote switch.	
	DV1O	Diversion information is sent to remote switch.	
	DV2I	Rerouting requests from remote switch are processed.	
	DV2O	Rerouting requests from remote switch are processed.	
	DV3I	Diversion information is sent to remote switch. Rerouting requests from remote switch are processed.	
		EuroI ISDN Call Diversion	bne-25
	DV3O	Diversion information is sent to remote switch. Rerouting requests from remote switch are processed.	
		Precede with 'X' to remove capability.	
	ECTO	Add call transfer notification and invocation remote capability to the EuroISDN Precede with 'X' to remove capability.	bne-25
	MCID	MCID = Add MCID as a new remote capability. Precede with 'X' to remove.	etsi ss- 23
	MQC	MCDN QSIG Conversion as a Remote capability	meet-24
	NAC	Network access data.NAC is allowed if IFC = SL1. Enter XNAC to remove NAC from Remote Capabilities.	
	NCT	Network Call Trace	
	ND1	Network Name Display 1	
	ND2	Network Name Display 2	
	ND3	Network Name Display 3. This ensures the same level of service between the MCDN and QSIG name display services.	
	NDI	Name Display - Integer ID Coding	qsig-24
	NDO	Name Display - Object ID Coding	qsig-24

Prompt	Response	Comment	Pack/Rel
	NDS	Name Display Services	
		Add Path Replacement as a remote capability. Only one capability can be configured per link.	qsig ss- 23
	PRI	The encoding method uses Integer Values.	
	PRO	The encoding method uses Object Identifier. Precede with 'x' to remove capability.	
	QMWI	Add Message Waiting Indication as a remote capability.	qsig
		The encoding method uses Integer Values.	ss-25.4
	QMWO	Add Message Waiting Indication as a remote capability.	qsig
		The encoding method uses Object Identifier.	ss-25.4
	XQMW	Remove Message Waiting Indication.	
		QMWI and QMWO are exclusive and may not be	qsig
		configured at the same time on the same link.	ss-25.4
	RVQ	Remote Virtual Queuing	
	UUS1	User-to-User Service 1 Decode UUS IE sent by Central Office Send UUS IE to Central Office	bne-25
	XUUS	Remove User-to-User Service 1	bne-25
RCLS	(EXT)	Route Class marked as external	
	INT	Route Class marked as internal Applies only to CAA, COT, CSA, DID, FEX, TIE, FGDT, or WATS trunks.	basic-10
RDNL	0-(4)-7	Remote DN length used to extract the necessary number of DN digits from the MCDN or QSIG CLID or from the DPNSS OLI. Prompted if Commonwealth of Independent States - Three Wire Analog Trunk (CIST) package 221 is equipped for QSIG, MCDN, or DPNSS TIE routes.	cist-21
REF	n...n	Reference loop around DN, range is 2 to 10 digits	basic-1
REP	1-15	Repetitions of recorded announcements	ran-1

Prompt	Response	Comment	Pack/Rel
REQ		Request	basic-1
	CHG	Change existing data block	
	END	Exit overlay program	
	OUT	Remove data block	
	LCHG	Print date and time that a trunk data block was last changed. The change can be the result of a NEW, OUT, or CHG command.	
	NEW	Add new data block to the system	
RGFL	ic dc	Ring Failure threshold. Where: • ic = increment count = 1-(2)-31 • dc = decrement count = 1-(2)-31 RGFL specifies the percentage threshold for trunks which fail to produce the expected ringing and ground changes. See prompt ILLR for a description of ic and dc values. RGFL is not prompted for AID, CAM, CSA, RLM, RLR and TIE trunks The default for RAN and MUS trunks is 12 6.	basic-1
RLSM	(0)-15	Release Mechanism. Refer to Table 3, “Release Mechanism Options,” on page 407. RLSM is prompted if DTRK = YES and DGTP = DTI2.	pedm-18
ROUT	x...x	Route number Where x...x = 0-511: Large System For CS 1000E System 0-127: Small System For MG 1000B and MG 1000T	basic-1 basic-4.0 basic-4.0
RPA	(NO) YES	Radio Paging Route If this prompt is set to NO, the route is not allowed to be used for Radio Paging. Prompted with Radio Paging (RPA) package 187 and TKTP = TIE or COT.	rpa-20
RPPM		Real-time Periodic Pulse Metering polling time (in seconds)	pedm-16
	(0)	Real-time Periodic Pulse Metering will not operate	
	10-250	1-9 Rounded up to 10	
	251	Rounded down to 250	

Prompt	Response	Comment	Pack/Rel
RRBS		Repeat Release Before Seize	pedm-18
	(NO)	Seize the trunk normally.	
	YES	A release signal will be sent followed by the seize signal.	
		RRBS allows a FRLS signal to be sent immediately before a SEZ signal on a DTI2 trunk. RRBS is prompted if DTRK = YES, DGTP = DTI2 and FRRS is not set to YES.	
RTN	0-511	Route Number for any configured ISA route	pra-12
		RTN is the Route Number of the associated Call-By-Call master route. Prompted if TKTP = TIE.	
RTYP		Recording device for RAN trunks	ran-1
	AUD	Audichron or Cook 212, required for XUT trunks	
	CAP	Code-a-Phone	
	CK2	Cook 201 or QAY1	
	CKM	Cook 201 Multichannel	
	CON	NT7M Digital Recorders	
	DGT	213300 and 213400 Digital Recorders	
	LVL	Level start/stop (Enhanced Universal Trunk cards)	
	MCON	Continuous mode, multichannel.	ranbrd- 23
	MLSS	Multi-channel Level Start/Stop. (Enhanced Universal Trunk cards) Maximum length of message = 608 seconds.	
	MLVL	Level start/stop, multichannel.	ran- 23
	MPUL	Pulse start/stop, multichannel.	
		These modes supports independent RAN trunks.	
		Request the RAN broadcast package.	
	PUL	Pulse start/stop (Enhanced Universal Trunk cards)	
		The Enhanced Universal Trunk cards word with CAP, CK2, or AUD RAN interfaces. The Pulse and Level start/stop options are used in conjunction with the RAN interface selected.	

Prompt	Response	Comment	Pack/Rel
		The maximum length of the message allowed by software: • AUD = 64 seconds • CAP = 608 seconds • CK2 = 64 seconds • CON = 608 seconds • DGT = 256 seconds	
RUCF	x y	Route Unit Conversion Factor Formula for Route Unit Conversion Factor is: $X*10^{(-Y)}$ Where: • x = 0-(1)-9999 • y = (0)-3 This results in a range of .001 to 9999. If the Central Office sends the call charge in AOC units (instead of AOC currency), RUCF is used to convert this charge into PPM format. Call Charge scenarios: 1. When call charge in sent in currency: Displayed charge = (Received charge/RURC) * RUCS 2. When call charge in sent in AOC units: Displayed charge = (Received charge * RUCF) * RUCS units RUCF is not prompted for Danish and Swedish EuroISDN.	isdn-15

Prompt	Response	Comment	Pack/Rel
RUCS	0-9999	Route Unit Cost RUCS may be used in Motel/Hotel type environments to calculate the margin the Meridian 1 administrator wants to make per unit. Call Charge scenarios: 1. When call charge in sent in currency: Displayed charge = (Received charge/RURC) * RUCS 2. When call charge in sent in AOC units: Displayed charge = (Received charge * RUCF) * RUCS units When REQ = NEW, RUCS defaults to the UCST value in CDB. RUCS is prompted when MR = PPM or XLD. Not prompted for Danish and Swedish EuroISDN.	basic-10
RURC	x y	Route Unit Reference Cost Formula for Route Unit reference Cost is: $X * 10^{(-Y)}$ Where: • x = 0 - 9999 • y = (0) - 3 This gives a range from.001 to 9999. Call Charge scenarios: 1. When call charge in sent in currency: Displayed charge = (Received charge/RURC) * RUCS 2. When call charge in sent in AOC units: Displayed charge = (Received charge * RUCF) * RUCS units The default value for x is identical to the previously entered RUCS value. Not prompted for Danish and Swedish EuroISDN.	basic-20

Prompt	Response	Comment	Pack/Rel
RVSD	ic dc	Reversed wired CO trunk threshold. Where: • ic = increment count = 1-(8)-31 • dc = decrement count = 1-(31) RVSD specifies the percentage threshold for CO trunks which have tip and ring or other trunk wiring problems. See prompt ILLR for a description of ic and dc values. Prompted for COT, FEX and WATS trunks.	basic-16
SAT	(NO) YES	Satellite used for trunk route via earth orbiting satellite This prompt has no relation to the trunk route function connecting a main PBX to a satellite PBX.	esn-1
SBN	(NO) YES	Do not send Billing Number on this route Send Billing Number on this route	basic-21
SCDT	(NO) YES	Secondary Dial Tone detection	dtd-10
SCR	(NO) YES	Selective Carrier Restriction to restrict Equal Access calls New Flexible Code Restriction is enabled. NTOL and ITOL must both be ALOW.	eqa-19
SDID	YES (NO)	Send DID number instead of internal DN. IDC table with SDID Yes must be configured.	basic-25.4
SEIZ	ic dc	Seize failure threshold. Where: • ic = increment count = 1-(2)-31 • dc = decrement count = 1-(2)-31 SEIZ specifies the percentage threshold of trunks which request seizure but are not seized (either no response from the far end or response is too late). See prompt ILLR for a description of ic and dc values. The default for AID trunks is 2 1. The default for RAN and MUS trunks is 12 6.	basic-1
SGL	(NO) YES	Signal Return normal MFE signal Return MFE idle signal	mfe-10

Prompt	Response	Comment	Pack/Rel
SGRP	(0)-999	Scheduled access restriction group Prompted with Scheduled Access Restrictions (SAR) package 162. Must have group defined in LD 88.	sar-20 pra-15
SID	0-511	Service Identification for the route Used to poll switches for traffic, ACD or CDR reports. Allows NSF to be turned on or off. The service route ID must match the far end. Prompted if NSF = YES and TKTP = TIE/WAT/FX/COT.	
SIDE	 (NET) USR	Meridian SL-1 Node Type Network User SIDE defaults to NET if IFC = SL1. SIDE defaults to USR if IFC = 1TR6, NUME, APAC, EUROISDN or D70. Prompted if IFC = SL-1.	basic-22
SIGL	 BEL NT4 NT5 APNS DAS DPN	Signaling interface for CAMA trunks Bell method NT400 method NT500 method Layer 3 Signaling APNSS signaling DASS2 signaling, allowed with Digital Access Signaling System 2 (DASS2) package 124 DPNSS signaling, allowed with Digital Private Network Signaling System 1 (DPNSS) package 123	cama-1
SIGO	 (STD) ESN2 ESN3 ESN5 ETN EN19	Signaling arrangement Standard signaling arrangement Supports NCOS, TCOS and CCBQ call types Supports network call transfer, Satellite Link Control and all ESN2 call types. It does not support DTI calls. Either ESN2 or ESN3 is recommended for ISA. Supports DTI data calls plus all other types. Electronic TIE Network signaling arrangement ESN Transparent Data Networking data call. Allowed when TKTP = TIE for PRI and DTI trunks.	esn-19
SLCT	TONE MSG	Select Tone Select Message	mfc-24

Prompt	Response	Comment	Pack/Rel
SPCT		Speech Path Cut-Through	basic-1
	(IMM)	Immediate cut-through	
	DLY	Delayed cut-through	
SPN	(NO) YES	If yes is entered, the SPN's AC is inserted first to search for a valid UDP number. SPN is prompted when the route type is an IDA trunk with DPNSS1 signaling and when INAC = YES.	pra-21
SPTO		Super Trunk Option	cam-1
	(NO)	7-10 digit outpulsing on ANI calls	
	YES	3 digit outpulsing on ANI calls Response must be YES for outpulsing to begin after three digits.	
SRCH	(LIN)	Linear Hunting Search method for outgoing trunk member. Start with the highest trunk number, used for 2-way trunks.	basic-1
	RRB	Round Robin Hunting Search for outgoing trunk member. Start with next lower trunk than the one seized, used for outgoing trunks.	
SRPM	0-(15)-255	Service Parameter. Prompted if SRVC = WATB.	pra-16
SRT	1-(30)-1023	Number of minutes on an outgoing CDPC call a set is kept on hold to a trunk	opcb-14

Prompt	Response	Comment	Pack/Rel
SRVC		Service type provisioned for AT&T ESS connections (where IFC = ESS#4 or ESS#5) Prompted if ISDN = YES and IFC = ESS4 or ESS5. Prompted with Inter Exchange Carrier (IEC) pkg 149.	pra-12
	(NNSF)	No Network Specific Facility or NSF IE sent. NSF refers to the services provided on a Call-by-Call basis.	
	ACC	Accunet Data service	
	I800	International 800 service	
	IWAT	In-WATs service for AT&T interface	
	LDS	Long Distance Service	
	M800	MEGACOM 800 service	
	MEG	MEGACOM service	
	Q900	ATT&T Multiquest 900 service	
	SDN	Software Defined Network service	
	WATB	Wide Area Telephone Service Parameter Band for AT&T ESS#5	
	WATM	Wide Area Telephone Maximal service for AT&T ESS#5	
	(0) - 31	Service provisioned for National ISDN PRI. Prompted if IFC is NI2. Decimal value of the service is entered here: 0 - No NSF IE (public network call) One service route for incoming public network call and multiple service routes for outgoing public network call. The service route number for incoming public call has to be specified in IPUB prompt in the master route. 17 - INWATS selection 18 - OUTWATS selection 19 - Foreign Exchange Selection 20 - Tie Trunk Selection AT&T defines services other than the one defined in the Bellcore CBC specification. These values (defined in the facility coding field in the NSF IE) can be entered here in	cbc_pkg- 23
SSL	1-15	Special Service List number Used to identify special service calls on this PSTN for CO route, list must be previously defined in LD 18.	opcb-14

Prompt	Response	Comment	Pack/Rel
SST	xx y	Seizure Supervision Timer Timer for trunks with delay dial or DDL, wink or WNK and ground or GRD start arrangements. Where: xx = minimum value. Therefore: • xx = 1-(3)-15 seconds for GRD start • xx = 5 seconds for DDL and WNK y = increment value of 0-7 seconds	basic-18
STEP	0-511	Alternate trunk route for outgoing trunks STEP cannot be defined for an ISA route. Route 31 is no longer an exclusively private route, unless configured as one in LD 16. For dataport, it is only possible to step to a similar ADM data route. Precede with X to delete.	basic-1
STND	(YES) NO	Standard T100 test line (STND is 5.5 seconds and is followed by silent termination at the far end)	atm-7
STRK	(NO) YES	Super Trunk group feature	cam-1
STRT	IMM DDL	Start arrangement Immediately connect call to recording Delay call connection until start of recording	ran-1
STYP	(SDAT) STDN	Standard Signaling Type Standard Data signaling for voice and data (DM-DM, non-tandem PSDS). Standard Transparent Data Networking for voice and data and TDN calls. STDN is applicable to calls on DTI trunks only. This prompt appears when SIGO = STD.	tdn-19

Prompt	Response	Comment	Pack/Rel
SVFL	ic dc	Supervision Failure. Where: • ic = increment count = 1-(2)-31 • dc = decrement count = 1-(2)-31 SVFL specifies the percentage threshold for trunks which fail to obtain supervision. See prompt ILLR for a description of ic and dc values. Prompted for only AID, CAM, CSA, RLM, RLR and TIE trunks. The default for AID trunks is 2 1.	basic-1
SWP	(NORM) ATT	Subscriber With Priority calls receives normal treatment for busy and intercept situations. Subscriber with priority calls routed to attendant for busy or intercept situations	mfc-15
T100	n...n	T100 test line Directory Number, 2 to 10 digits	basic-1
TABL	0-31	Flexible dial tone detection Table number	dtd-14
TARG	0-(1)-31	Trunk Access Restriction Group range Enter the list of all TGAR in LD 10, LD 11 and LD 14 which have restricted access to this route. Multiple groups may be defined or deleted. To delete entries, enter Xnn. List all entries to be deleted (Xnn, Xnn, ...). Entries must be separated by a space.	basic-1
TBL	(0)-15	Prefix table number to be associated with this route	isdn-24
TCPP	 (NO) YES	CPP flag for an incoming non-ISDN trunk call tandemed to this trunk route. An incoming non-ISDN trunk call tandemed to this trunk route will carry the Privacy Override indicator. The call will be marked as a CPPO call. An incoming non-ISDN trunk call tandemed to this trunk route will carry the Privacy indicator The call will be marked as a CPP call.	cpp-24

Prompt	Response	Comment	Pack/Rel
TCRS	(YES) NO	The Toll Category Request Supported option is defined for the incoming TOLL CDTI2-MFS routes. Setting the TCRS to NO means that the CIS TOLL exchange does not support the TOLL Call Category Request MFS signal (B11). The TCRS is prompted only if the MFC is set to the CMFS only for the incoming routes.	cismfs- 23
TDET	(NO) YES	Tone Detector required	basic-1
TDG	x... x	Toll Digits. Where: x = 0-9 Actual digits after the trunk access code which indicate toll calls. Precede with X to remove. If all digits are removed, the digits revert to the North American toll scheme. Prompted when NATL = NO.	cdr-13
TFD	(0) - 3600	Timed forced disconnect for paging trunks (30 second increments). TFD must be defined individually for each route.	basic-15
TGAR	0-(1)-31	Trunk Group Access Restrictions Prompted if TKTP = TIE, ISAR = YES, and ISDN = YES.	basic-12
TIDY	xxxx yyyy	Trunk Identity. Where: • xxxx = PBX Reference Number The xxxx default is LSC as defined in LD 15, combined with route access code truncated to four digits. • yyyy = Trunk Group Reference Number The yyyy default is route number truncated to four digits. Each of the two numbers can be one to four digits. Prompted if Digital Private Network Signaling System 1 (DPNSS) package 123 equipped and SIGL not DPN.	dass2-16
TIER	0-511	Tie Reference route number Determines how incoming TIE or private call types are handled for the associated Integrated Service Access route or ISA. Precede with X to delete. Prompted when TKTP = ISA, IFC = D100 or SL-1 and NSF = YES.	pra-12

Prompt	Response	Comment	Pack/Rel
TIMR	aaa xxx	Trunk Timers. Where: • aaa = timer mnemonic • xxx = timer value in milliseconds unless stated otherwise	basic-1
	AAD (384)-2048	Address Acknowledge Delay timer AAD is the minimum time for the system to delay before sending the address acknowledge signal to the central office. Inputs are in increments of 128 ms. Allowed only if Japan trunks and Meridian 1 packages are equipped.	jpn-9
	ARD 512-(1024)-2048	ANI Request Duration Timer in 256ms increments	
	ARP 1-(3)-255	Autoguard Repeat Prevention timer Only valid for Loop start COT. Inputs are in one second increments. International Supplementary Features (SUPP) package 131 and Meridian 1 XPE (XPE) package 203 required. Recommended value for Australia is 200.	xpe-18
	ATO 128-(4992)-6528	ANI Time-out timer in milliseconds. For CIS outgoing trunk routes, the ATO value defines the time delay which follows toll access code outpulsing. During this time delay, further outpulsing is halted until a special card firmware message confirms that the ANI response/request interaction has been successful.	ani-1
	CRD 0-(512)-639	CO Release Delay timer.	basic-18
	DDL 0-(70)-511	Dial Delay timer	basic-1
	DSI 128-(34944)-499200	Disconnect Supervision timer	basic-1

Prompt	Response	Comment	Pack/Rel
	EESD 0-(1024)-4992	End to End Signalling Delay timer. The outpulsing DTMF tone using EES (or IEES) is delayed “EESD” ms after the sending of the first recall signal to the Norstar. If EESD = 0, the timer is not started and the buffered digits will not be outpulsed. The EESD timer is accepted if ACRL package 236 is equipped and if the route is analog TIE.	arcl-22
	EOD 128-(13952)-32640	End-of-Dial timer, non-digitone trunks For DID incoming calls in the U.S., to comply with FCC regulations, the EOD timer expires at 19,968 ms, even if configured otherwise. All other call types utilize the configured timer parameters. Refer to *Features and Services* (553-3001-306) for complete details concerning the FCC Compliance feature.	basic-1
	FLH 0-(510)-32640	Hook Flash timer (in msec.) The range for Centrex Switchhook flash timer is 256-(512)-1536. For CAS, it is recommended that the timer be set at 768 or greater. This timer must be at least 256 ms shorter than the remote OGF timer and 256 ms shorter than the ICF timer. • 60-89 ms = Digit 1 is sent • 90 ms = Hard coded for XFCOT hook flash • 91-255 ms = Digit 1 is sent • 256-1536 ms = Existing software controlled hook switch flash Range for Centrex Switchhook flash timer is 60-(510)-1536 msec (the value is rounded to the nearest 10 msec).	thf-20

Prompt	Response	Comment	Pack/Rel
		Software controlled Centrex/Trunk Switch Flash timer range of 60- 127 msec is done by sending digit 1. The range of 128-1536 msec is already controlled by Centrex Switchhook Flash feature. Firmware flash user can enter any value from 60 to 1536. FWTM must be YES in LD 14 for the trunk associated with this route, if firmware timing is to be used.	
	GRD 0-(896)-32640	Guard timer (response disallowed)	basic-1
	GTI 0-(896)-32640	Incoming Guard timer (ms) For DTI2 trunk routes, guard timer of 0 may be defined (meaning that timing is not necessary). An Incoming Guard Timer on the ISPC SLAVE side (when SMAS = NO) must be set to 0.	xct1-16
	GTO 128-(896)-32640	Outgoing Guard timer	xct1-16
	ICF 0-(512)-32640	Incoming Flash timer	basic-1
	IENB 2-(5)-10	Idle Extension Notification Block timer (in minutes) Semi-Automatic Camp-On (SACP) package 181 and Network Attendant Services (NAS) package 159 must be equipped.	nas-18
	LCT 0-128-32640	Loop Calling detection timer Default for COT trunks = 128 Default for all others trunks = 256	basic-1
	LEXT 50-(100)-350	Loop Extender timer (timer is in milliseconds) The minimum amount of time the Meridian 1 waits to determine whether the tip is ground. When the time is expired, the loop is closed to outpulsing.	tip-19

Prompt	Response	Comment	Pack/Rel
	MAD 0-(500)-1000	Minimum Answer Delay timer The minimum amount of time the Meridian 1 remains On-Hook after the called party is first alerted. Inputs are in steps of 100 ms, numbers are rounded up to next valid entry. Allowed only if Japan trunks and Meridian 1 packages are equipped.	xujt-16
	MFC 128-(12032)-65408	Multifrequency Compelled Signaling (MFC) timer	mfc-9
	MFE 128-(14976)-65408	MFC Interdigit timer	mfe-10
	MFID (0) - 25088	R2MFC Interworking timer. This timer will be in the range of 0 - 25 seconds, in 128ms increments. A value of 0 will indicate that the timer is disabled and existing timing functionality will be used.	basic-23
	MFK 128-(4992)-32640	First backward signal awaiting timer	kd3-20
	MFKM 45- (90)-180	Timer value in seconds representing the total amount of time the signal exchange equipment can be occupied in a call expressed in seconds.	kd3-20
	MFO (0)-16256	MFC Transmit timer If 0, then use current value of MFC Timer.	
	MFR128-(2048)-16256	MFC Reception timer	kd3-20
	MFX128-(4096)-16256	MFC Transmission timer	kd3-20
	NBL 128-(4096)-32640	Enblock Long dialing timer Long timeout period set to check if all digits have been entered.	basic-12

Prompt	Response	Comment	Pack/Rel
	NBS 128-(2048)-32640	Enblock Short dialing timer Short timeout period set to check if all digits have been entered.	basic-12
	NRAG (30)-240	Network Ring Again timer or DPNSS duration for T6 and T7 timers, in minutes. Currently, only 30 minutes is supported.	pra-13
	NRD 128-(10112)-32640	No Ringing Detector change	basic-1
	OBA 2-(120)-510	Outgoing B-Answer timer Time in seconds to wait for B-answer on outgoing ATL trunks for Sweden.	supp-15
	ODT 256-(4096)-16128	End-of-dial timer for DIGITONE trunks	basic-1
	OGF 0-(512)-32640	Outgoing Flash timer	basic-1
	OOD 1-(3)-3	Optional Outpulsing Delay timer Allowed for CO, FEX, WATT trunks.	ood-79
	RAS 128-(13952)-32640	Receipt of Answer Signal timer	
	RGV 128-(640)-1920	Ring Validation timer Ring Validation timer for Japan Information Notification Service set as 256.	basic-1
	RMA 1024-32640	Receipt of Message Acknowledgment Default = 5120 for SIGL = DPN. Default = 20480 for SIGL = DAS	
	RTD 0-(12)-60	Tone Detector Response Timer in seconds. An odd numbered entry is rounded up to the next even number.	ardl-22

Prompt	Response	Comment	Pack/Rel
	SFB 3-(3)-255	Seize Fail Busy timer This timer controls the time that a trunk is held busy following a seize acknowledge failure or call collision. The recommended value for trunks with seizure supervision is 25 seconds. The recommended value for trunks with no seizure supervision is 3 seconds.This value applies to all analog trunks except those which use the ARP timer.	
	SRM 1024-(32640)	Service Request Message timer	
	TFD (0)-3600	Timed Forced Disconnect, in 30 second increments. TFD applies to CO, DIC, FEX, PAG, TIE and WATS routes.	basic-15
	TTO (128)-7040	Taiwan Time Out value	twr1-24
	VGD 0-(6)-31	VNS Guard timer The time allowed for the trunk call to disconnect in seconds. This is the guard timer on the associated VNS DN.	vns-20
	VSS (0)-1-2-1023	VNS Set Speechpath Timer. Where: • 0 = Do not answer the bearer channel until the terminating party answers • 1 = Answer the bearer channel immediately on arrival • 2-1023 = Answer the bearer channel after the specified seconds (rounded down to 2-second multiple) if the terminating party has not already answered.	vns-20
TITH	(0) - 300	Waiting Time Threshold (seconds). Prompted only if BDCT = YES and for Start/Stop RAN machine with STRT = DDL. Default value zero means no threshold applies.	ranbrd- 23 ran- 23

Prompt	Response	Comment	Pack/Rel
TKTP		Trunk Type You must respond to this prompt when REQ = NEW.	
	ADM	Add-on Data Module associated with a Data Interface Card i.e., DLC, 4PDLC, AILC Not supported on Small System.	basic-5
	AWR	Automatic Wake Up trunk block for RAN/Music Requires Automatic Wake Up (AWU) package 102.	awu-10
	CAA	Common Control Switching Arrangement Automatic Number Identification data block Requires Automatic Number Identification (ANI) package 12.	basic-1
	CAM	Central Automatic Message Accounting trunk data block	basic-1
	CBCT	Call by call master route	cbc_pkg-23
	COT	Central Office Trunk data block Supported for ISDN BRI Trunk Access feature.	basic-1
	CSA	Common Control Switching Arrangement access line data block	basic-1
	DIC	Dictation trunk data block	basic-1
	DID	Direct Inward Dialing trunk data block Supported for ISDN BRI Trunk Access feature.	basic-1
	FEX	Foreign Exchange trunk data block	basic-1
	FGDT	Feature Group D trunk	fgd-17
	IDA	Integrated Digital Access Requires Integrated Digital Access (IDA) package 122.	ida-16
	ISA	Integrated Service Access route or Call-by-Call route type For ISDN applications, only TIE or ISA Trunks can connect a SL-1 directly to another SL-1. Requires Call-by-Call service (CBC) package 117. Must have ISDN configured in LD 15 and LD 17.	isl-12

Prompt	Response	Comment	Pack/Rel
	MCU	Meridian Communications Unit port	basic-18
	MUS	Music trunk data block Requires Music (MUS) package 44.	mus-1
	PAG	Paging trunk data block	basic-1
	R232	DAC for NT7D16 on RS-232 port	basic-18
	R422	DAC for NT7D16 on RS-422 port	basic-18
	RAN	Recorded Announcement trunk data block Requires Recorded Announcement (RAN) package 7.	ran-1
	RCD	Emergency Recorder trunk data block Requires Basic Automatic Call Distribution (BACD) package 40.	bacd-1
	RLM	Release Link Main trunk data block Requires Centralized Attendant Services (Main) (CASM) package 26.	casm-1
	RLR	Release Link Remote trunk data block Requires Centralized Attendant Services (Remote) (CASR) package 27.	casr-1
	TIE	TIE trunk data block Supported for ISDN BRI Trunk Access feature.	basic-1
	TIE ATL	TIE ATL data block for Sweden	supp-15
	TIE SEMI	Semi-automatic TIE trunk data block	opcb-14
	TIE AUTO	Automatic TIE trunk data block	opcb-14
	TIE TONE	Tone TIE trunk data block	opcb-14
	WAT	Wide Area Telephone Service trunk data block	basic-18
TOBO		Toll Operator Break-Out. TOBO is prompted if DTRK = YES, DGTP = DTI2, MFC = YES and OPCB = YES.	pedm-18
	(NO)	OPCA signals received after a toll operator break in operation will be ignored.	

Prompt	Response	Comment	Pack/Rel
	YES	An OPCA signal received after a toll operator break-in operation has been completed, will result in the toll operator being removed from the call.	
TOV		Data Timeout Value	basic-18
	(0)	No timeout	
	1	15 minutes	
	2	30 minutes	
	3	60 minutes	
		Prompted if TKTP = R232, R422 or MCU.	
TRAN	(ASYN)	Asynchronous Transmission mode	basic-18
	SYN	Synchronous Transmission mode	
		If PSDS = YES, then TRAN must be SYN. Prompted if TKTP = MCU.	
TRMB	(YES)	Tromboning allowed. Incoming call on route may be routed directly back out on the same route.	tat-21
	NO	Tromboning denied. Incoming trunk call on route may not be routed directly back out on the same route.	
		Only applies to calls routed using NARS/BARS or CDP. Does not apply to calls redirected by HUNT, Forward All Calls, or Forward No Answer.	
TRMT	(NONE), FAIL, TEST, NPA	Numbering Plan Digit or Information Digit treatment FAIL = Interrupts the NPD/ID as an ANI failure TEST = Interrupts the call as a 911 test call (for 922T calls only) This prompt appears when the Meridian 911 (M911) package 224 is equipped.	m911-19
TRO	(NO) YES	Trunk Route Optimization Prompted if NCRD = YES and IFC = SL-1.	tro-16
TRRL	(NO)	Recall signal may be received and transmitted on this route.	arcl-22
	YES	Recall signal can be neither received nor transmitted on this route. TRRL appears if ACRL package 236 is equipped and the route is analog TIE.	
TST	n...n	Test loop around DN, range is 2 to 10 digits	basic-1

Prompt	Response	Comment	Pack/Rel
TTA	(NO) YES	Time To Answer output in CDR	fcdr-18
TTBL	(0)-31	Tone Table number Table (0), North American default values, is created when the first customer is created. Refer to LD 56 for other tables.	ftc-13
TW_INC_CLID	(NO) YES	CLID Option on an incoming TWR1 route	twr1-24
TW_ROUTE	(NO) YES	Taiwan R1 route	twr1-24
TYPE		Route type	atm-19
	ATM	Automatic Trunk Maintenance data block. Requires Automatic Trunk Maintenance (ATM) package 84.	
	NPID	Numbering Plan or Information Digit table. Requires Meridian 911 (M911) package 224.	
	RDB	Route Data Block.	
	SCH	ATM Schedule block. Requires Automatic Trunk Maintenance (ATM) package 84.	
V25	(NO) YES	V.25 bis option for synchronous operation Prompted if TKTP = MCU and TRAN = SYN.	basic-18
VRAT	(NO) YES	Answer an attendant extended call over VNS immediately on the incoming bearer trunk	vns-20
VTRK	(NO) YES	Virtual Trunk route For CS 1000S system	basic-2.0
WAIT	(RGB)	Provide ringback for calls queueing for RAN trunk.	ranbrd- 23 ran- 23
	MUS	Provide music for calls queueing for RAN trunk. Prompted only for RAN route when RAN broadcast package is equipped.	mus- 23

Prompt	Response	Comment	Pack/Rel
WATR	0-511	Wide Area Telephone Service or WATS Reference route number Determines how incoming WATS call types are handled for the associated Integrated Service Access route or ISA. Precede with X to delete. Prompted when TKTP = ISA, IFC = D250 or SL-1 and NSF = YES.	pra-14
WDGT	(L) F	First or last 4 DNIS digits to be sent on APL and HSL link. WDGT has no effect on AML links. All DNIS digits will be sent for AML. Prompted if NDGT is greater than 4. Also used for CDR when the New Format CDR (FCDR) package 234 is disabled.	dnis-20
XTDT	0-7	Extended Tone Detector Table number If a table other than 0 is entered, it must have already been configured in LD 97. Must be the same value as defined in LD 13. Prompted with Meridian 1 Superloop Administration (XCT1) package 205.	xct1-16
ZONE	0-255	Zone for codec selection and bandwidth management For CS 1000S system	basic-2

LD 17: Configuration Record 1

System configuration defines system hardware and software parameters. Overlay program 17 is used to modify the following:

- password options
- interface and transmission mode
- common equipment
- overlay automatic maintenance routines
- value added server configuration
- transmission parameters of Meridian Modular / Aries Telephone
- alarm filter

When the Overlay is loaded the available system memory and disk records are output in a header as follows:

CFN000
MEM AVAIL: (U/P): xxxxxx USED: xxxxx TOT: xxxxxxx
DISK RECS AVAIL: xxx
DCH AVAIL: XX USED: XX TOT: 64
AML AVAIL: XX USED: XX TOT: 16

Notes on ISDN configuration

ISDN configuration may be changed by adding the primary D-channel followed by the optional backup D-channel. Be sure to observe the following:

- Primary and back-up D-channels must be on the same card type (DCHI or MSDL)
- Primary D-channel parameters are automatically copied to the back-up D-channel.
- Disable both ends of a D-channel before making any changes to the D-channel.
- Changes to the D-channel pair should be made to the primary D-channel first (except for BCHL and RCVP).
- The backup D-channel must be removed prior to removing the primary D-channel.
- When a backup D-channel is configured for a primary D-channel, the USR of the primary can be changed from SHA to ISLD or PRI, but not from ISLD to PRI or SHA.
- The ADAN DCH MOVE command allows the primary D-channels to move to a new logical number (NDCH), card type (CTYP), device number (DNUM), and port designation (PORT) when adding MSDL cards. You do not need to remove any D-channels or B-channels when using this command with MSDL cards.

D-Channel Expansion

The D-channel Expansion feature increases the total number of possible D-channels in a multiple group Meridian 1 system. The number of physical I/O addresses permitted for D-channel application to 16 for each network group. For each MSDL physical I/O address, up to four ports are available for D-channel use. With the D-channel Expansion feature, the software supports up to 255 D-channels.

For more information on the D-channel Expansion feature, please refer to the *Networking Features and Services* (553-2901-301).

Prompts and responses

Configuration record 1

Prompt	Response	Comment
REQ:	CHG	Change
TYPE:	CFN	Configuration Record
ADAN	aaa bbb x	Action Device And Number (aaa = NEW, CHG, MOV or OUT ; bbb = I/O device type ; x = port number) (see page 488)
PWD	(NO) YES	Change Password options (see page 500)
PARM	(NO) YES	Parameters for Interface and transmission mode (see page 496)
CEQU	(NO) YES	Change to Common Equipment (see page 494)
OVLY	(NO) YES	Overlay (see page 495)
VAS	(NO) YES	Value added server configuration (see page 501)
ATRN	(NO) YES	Change Transmission Parameters of MeridianModular / Aries Telephone (see page 493)
ALARM	(NO) YES	Change Alarm Filter (see page 503)

Gate Opener: ADAN (Action Device and Number)

Prompt	Response	Comment
REQ	CHG	Request
TYPE	ADAN	Action Device And Number
- ADAN	aaa bbb x	Action Device And Number. Where: • aaa = NEW, CHG, MOV or OUT • bbb = I/O device type • x = port number)
TTY_TYPE	a...a	TTY logical type for Small System or Media Gateway 1000S (MG 1000S), where a...a is: • (SDI), LSL, or PTY
CAB	x	Cabinet number for Small System or MG 1000S, where x is: • (0), 1, 2,3 or 4
CAB_TYPE	a...a	Cabinet Type, where a...a is: • IP = IP Expansion Cabinet or MG 1000S • FIBR = Fiber Expansion Cabinet
- NUMD	1-(2)	Number of floppy disk drives
- FTYP	aa	Floppy Type (aa = (3), 3S, or 5)
- SIZE	(0)-65534	Size of History File buffer in characters
- PDCH	0-63	Primary D-channel associated with a backup D-channel
- TTY	0-15	Pre-defined MSDL-SDI terminal number
- CTYP	a...a	Card Type (CTYP responses can be found on page 518)
- GRP	x	Network group number
- CDNO	xx	Card number (Small System or MG 1000S)
- DNUM	0-15	Device number for I/O ports
- ADMIN_PORT	0	Administration Terminal Port number
- LANGUAGE	ENGLISH	English Language supported on STA
- ADDITIONAL_PORT		
	aa	Additional Port for the Single Terminal Access (aa = P1, P2, or P3)

- PORT	0-15	Port number (range varies according to system option and card/port type)
- DES	d...d	Designator
- BPS	xxxxx	Bits Per Second
- PARY	aaaa	Parity type (aaaa = (NONE) ODD, or EVEN)
- STOP	(1)-1x5-2	Number of Stop bits (To configure value of 1.5, enter 1x5)
- BITL	x	Data Bit Length (aaa = (5), 6, 7, or 8)
- FLOW	(NO) YES	Flow Control
- FLOW_TYPE	a...a	Flow control type for Small System or CS 1000S. Where a...a is: • NONE, XON, MAIL, or HWR)
- -BCST	(NO) YES	Broadcast ports affected by Flow Control
- PARM	aaaa bbb	Parameters for Interface and transmission mode (aaaa = R232 or R422 ; bbb = DCE or DTE)
- FUNC	aaa	MSDL card function (aaa = ABC, FCL, MOD, LME, or SCN)
- USER	a...a	Output message types (USER responses begin on page 569)
- XSM	(NO) YES	Extended System Monitor
- TTYLOG	0-65534	Log buffer size
BANR	(YES) NO	Optional Security Banner option
- CUST	xx	Customer number associated with this function
- SSUP	(NO) YES	Senior Supervisor
- - APRT	(NO) YES	ACD Printer
- STOP	(1)-1x5-2	Number of Stop bits (to configure value of 1.5, enter 1x5)
- DPNS	(NO) YES	Digital Private Network Signaling
- MWIF	aaaa	Message Waiting Interface (aaaa = (STD) or ISDM)
- USR	aaaa	User (aaaa = ISLD, PRI, SHA, SHAV, or VNS)
- IFC	a...a	Interface type for D-channel (IFC responses can be found on page 532)
H323		Indicates overlap signaling prompts for H.323
- OVLR	YES	Overlap Receiving
- OVLS	YES	Overlap Sending

OVLT	0-(1)-8	Overlap Timer (in seconds) The timer controls the interval between the sending of INFORMATION messages. Defaults to 1 for D-channel over IP. ***Note:*** OVLT applies only to Overlap Sending (OVLS = YES).
- - BSRV	(NO) YES	B channel Service messaging.
- - BSRC	1- (2) - 4	B channel Service Re-transmission Counter.
- - PINX_CUST	0-99	This customer number will be used for the DN address translation associated with call independent connection messages received on this D-channel.
- - ISDN_MCNT	60-(300)-350	Layer 3 call control message count per 5 second time interval.
- -CNTY	aaaa	Country (CNTY responses can be found on page 515)
CLID	OPTx	Calling Line Identification (x= 0, 1, 2, 3, 4, or 5)
PROG	a..a	Progress signal (a..a = NCHG, MALE, or MCON)
CO_TYPE	aaa	Central Office switch type (aaa = (STD) or ATT)
- RCVP	(NO) YES	Recovery to Primary
- - ISLM	0-(1792)-4000	Integrated Services Signaling Link Maximum.
- - SSRC	0-(1800)-4000	Signaling Server Resource Capacity
- - VNSM	0-300	Virtual Network Services Maximum
- - VNSC	(0)-xx	Virtual Network Services Customer number associated with the D-channel
- - VNSP	0-32700	Virtual Network Services Private Network Identifier
- - VCNA	(NO) YES	Virtual Network Services Network Call Party Name Display available over this D-channel
- - VCRD	(NO) YES	Virtual Network Services Network Call Redirection available over this D-channel
- - VTRO	(NO) YES	Trunk Route Optimization before answer available over this D-channel for VNS
- - VSIG	(NO) YES	Virtual Network Services Network Signalling option
- - DCHL	0-255	D-Channel PRI loop number
- BCHL	0-254	PRI loop number for Backup D-channel
- PRI	loop x	Primary Rate Interface
- PRI2	0-255 2-15	Secondary PRI2 loops for nB + D, plus sequence

- OTBF	1-(32)-127	Output request Buffers
- DRAT	aaa	D-channel transmission Rate (aaa = (56K), 64KC, or 64KI)
- BPS	xxxxx	Bits Per Second
- PARM	aaaa bbb	Parameters for Interface and transmission mode (aaaa = R232 or R422 ; bbb = DCE or DTE)
- CLOK	aaa	Clock (aaa = EXT or INT)
- SIDE	aaa	Meridian 1 node type (aaa = (USR) or NET)
- SEMT	(1)-5	Number of Status Enquiry Messages sent within 128 ms from the network side
- CNEG	x	Channel Negotiation option (x = (1) or 2)
- RLS	xx	Release ID of the switch at the far end of the D-channel
- QCHID	(YES) NO	Map channel number to timeslots on a PRI2 loop
- RCAP	a...a	Remote Capabilities (RCAP options begin on page 555)
- - MWTO	(15) - 30	This prompt is only printed if the RCAP is set to either QMWI or QMWO. The value entered (in seconds) is the duration of a timer started when a SETUP message is sent to set up a connection-oriented, call-independent connection for MWI transport. The timer is stopped on receipt of a CALL PROCEEDING message.
- - MWRT	0 - (2) - 15	This prompt is only printed if the RCAP is set to either QMWI or QMWO. The value entered is the number of re-tries to be effected after a SETUP timeout.
- - MQC_FEAT	aaaa	MCDN QSIG Feature type
- - PR_RTN	(NO) YES	Retain option supported by the far end PINX
- - PR_TRIGS	aaa xx	Path Replacement Triggers
- OVLR	(NO) YES	Overlap Receiving
- - DIDD	(0)-15	DID Delete
- OVLS	(NO) YES	Overlap Sending
- - OVLT	(0)-8	Overlap Timer, in seconds
- MBGA	(NO) YES	Multilocation Business Group Allowed
- NASA	(NO) YES	Network Attendant Service Allowed
- TIMR	(NO) YES	Change protocol timer value

- - T310	10-(30)-60	Timer used to determine how long SL-1 can wait for the response message when the QSIG outgoing call is in the U3 (outgoing call processing) state
	110-(120)	Timer range for PRI, PRI2, and BRI trunks
- - INC_T306	0-(2)-240	Variable timer for received disconnect message on incoming calls, allowing in-band tone to be heard when sent by the network
- - OUT_T306	0-(30)-240	Variable timer for received disconnect message on outgoing calls, allowing in-band tone to be heard when sent by the network (entered in 2 second increments)
- LAPD	(NO) YES	Link Access Protocol for D-channel Change LAPD parameters
- - T23	1-(20)-31	Interface guard Timer or DCHI only
- - T200	2-(3)-40	Retransmission Timer
- - N200	1-(3)-8	Maximum Number of retransmissions
- - N201	4-(260)	Maximum Number of octets in information element
- - T203	2-(10)-40	Maximum Time allowed without frames being exchanged
- - K	1-(7)-32	Maximum number of outstanding unacknowledged frames
- - N2X4	0-(10)-20	Maximum Number of status inquires when remote is busy only applies to 1TR6
- IADR	0-(3)-255	Individual Address for the data link level HDLC protocol
- RADR	0-(1)-255	Remote Address for the data link level HDLC protocol
- LCTL	(NO) YES	Change Link Control system parameters
- - T1	2-(4)-20	Retransmission Timer. Range in units of 0.5 seconds, (4) = two seconds
- - T2	0-(10)-255	Maximum Time allowed without a frame being exchanged
- - T3	2-(5)-255	Timer for initial link setup in units of 0.5 seconds for ESDI only
- - N1	xxx	Maximum Number of octets per HDLC information frame (xxx = 32, 64, 128, or (512))
- - N2	4-(8)-16	Maximum Number of retransmissions in steps of 1
- - K	1-(7)	Maximum number of outstanding frames
- LTHR	(NO) YES	Link Threshold. Change link performance thresholds for ESDI only
- - RXMT	1-(5)-20	Retransmission Threshold
- - CRC	1-(10)-20	CRC threshold

- - ORUR	1-(5)-255	Overrun/Underruns out-of-service threshold
- - ABOR	1-(5)-255	Number of Aborts before an out-of-service
- ENL	(YES) NO	Enl / Dis error messages (Small System or MG 1000S)
- DPNS	(NO) YES	Digital Private Network Signaling
- DCHI	0-15	D-channel Interface port number
- CDNO	1-9	Card Number where DCHI resides (Small System or MG 1000S)
- PORT	xx	Port number (range varies according to system option and card/port type)

Gate Opener: ATRN (Aries Transmission)

Prompt	Response	Comment
REQ	CHG	Request
TYPE	ATRN	Aries Transmission
- CODE	(0)-2	CODEC Coding Law
- SOLR	0-(1)-4	Sidetone Objective Loudness Rating
- ROLR	(0)-63	Receive Objective Loudness Rating
- AOLR	(0)-12 32-50	2216 ACD set Objective Loudness Rating
- TOLR	(0)-63	Transmit Objective Loudness Rating
- AGCD	(NO) YES	Automatic Gain Control Disabled
- VOLR	(NO) YES	Volume Reset
- HRLR	(0)-8, 32-40	Handsfree Receive Objective Loudness Rating
- HTLR	(0)-11, 32-54	Handsfree Transmit Objective Loudness Rating

Gate Opener: CEQU (Common Equipment)

Prompt	Response	Comment
REQ:	CHG	Request
TYPE:	CEQU	Change to Common Equipment parameters
- MPED	aa	Maximum Peripheral Equipment Density (aa = (SD), DD, 4D, or 8D)
- TERM	a...a	Single Density Terminal equipment loop or loops
- REMO	a...a	Single Density Remote Peripheral Equipment loop or loops
- TERD	a...a	Double Density Terminal equipment loop or loops
- REMD	a...a	Double Density Remote Peripheral Equipment loop or loops
- TERQ	a...a	Quadruple Density Terminal equipment loop or loops
- REMQ	a...a	Quadruple density Remote Peripheral Equipment loop or loops
- DDCS	0-159	Loop number for DPNSS/DASS hardware
- DTCS	1-159	Digital Trunk Channel Switches
- XCT	a...a	Extended Conference/TDS/MFS
- TDS	a...a	Tone and Digit Switch
- CONF	a...a	Conference loop
- MFSD	0, 2, 4…255	Multifrequency Sender loop
- DTDT	aaa	Dial Tone Detector Test (aaa = NO, TDS, or EXT)
- - CODE	x xx xx xx	Code (CODE response is defined on page 516)
- - TN	l s c u	Valid Terminal Number that when accessed returns a test tone
- DLOP	lll dd ff ...	Digital Trunk Interface Loop or Loops (lll = loop number, dd = number of voice or data calls, ff = frame format)
- MODE	aaaa	Mode of operation (aaaa = LINK, PRI, or TRK)
- - TMDI	(YES) NO	TMDI Card (Mode set to PRI OR TRK)
- - LCMT	aaa	Line Coding Method (aaa = (B8S) or AMI)
- - YALM	aaa	Yellow Alarm Method (aaa = (FDL) or DG2)
- - TITE	(0) 2	T1 transmit Equalization

- - TRSH	0-15	Threshold
- - DTIC	0, 4, 8,…254	Starting network loop slot for PRI/DTI card
- PRI2	0-255	2.0 Mb/s Primary Rate Interface or PRI loop number
- APVL	0-159	Analog Private Virtual Loop for virtual TN or channel ID
- DTI2	0-255	2.0 Mb/s Digital Trunk Interface or DTI loop number
- JDMI	0-255	Japan Digital Multiplexer Interface loop number
- EXT0	x aaa bbb	Extenders for CPU 0 to Network (EXT0 ranges are defined on page 525)
- - CNI	s p g	Core to Network Interface card location To delete use: s p xg
- EXT1	x aaa bbb	Extenders for CPU 1 to Network (EXT1 ranges are defined on page 526)
- - CNI	s p g	Core to Network Interface card location To delete use: s p xg
- SYNM	(0)-5	Synchronization Mode
- - MSDT	0-159	Main Synchronization DTSL
- - SSDT	0-159	Standby Synchronization DTSL
- SMEM	(NO) YES	Short Memory test
- PFTR	YES NO	Prioritize Fast Transfer feature enabled or disabled

Gate Opener: OVLY (Overlay)

Prompt	Response	Comment
REQ	CHG	Request
TYPE	OVLY	Change Overlay area options
- SID	xxxx	System ID number
- BKGD	xx xx	Background Overlay task
- PBXH	00-23	Hour to perform Message Waiting lamp maintenance
- TODR	0-23	Time of Daily Routines
- DROL	xx xx	Daily Routine Overlays

- MID_SCPU	(NO) YES	Midnight Switch Cores Allow or deny Midnight Switch Cores, where: Deny causes the system to perform the 3PE test during the Midnight routine instead of switching CPUs. Allow causes the system to switch CPUs during the Midnight routine instead of performing the 3PE test. ***Note:*** Applicable to CPP systems only.
- TRLL	1-31 1-31	Test RPE Local Loop back
- CY45	(0)-31	Cycles LD 45 can be run whenever a fault is detected
- MULTI_USER	(OFF) ON	Multi-User Log In

Gate Opener: PARM (System Parameters)

The following values should be set at the factory. However, it is recommended that these values be reviewed during initial system installation.

Prompt	Response	Comment
REQ:	CHG	Request
TYPE:	PARM	Change system parameters
- LPIB	96-7500	Low-Priority Input Buffers (range depends on system type)
- RCAP	a...a	Remote Capabilities (RCAP options begin on page 555)
- HPIB	96-7500	High-Priority Input Buffers (range depends on system type)
- 500B	16-5000	Output buffers for single line and digital telephones, and trunks (range depends on system type)
- SL1B	16-2048	SL-1 Buffers
- RPEB	16-1000	Remote Peripheral Equipment Buffers, 2.0 Mb/s RPE
- DTIB	(35)-1000	Digital Trunk Input Buffers
- DTOB	(4)-100	Digital Trunk Output Buffers per Digital Trunk Signaling Link
- NCR	x...x	Number of Call Registers, range depends on system type
- MGCR	0-*NCR*	Maximum number of Call Registers used by AUX messaging
- CSQI	(20)-255	Maximum number of Call Registers for CSL input queues

- CSQO	(20)-255	Maximum number of Call Registers for CSL/AML output queues
- TUBO	(NO) YES	Double message processing speed on AML
- AXQI	(20)-255	Size of Auxiliary Input Queue
- AXQO	(20)-255	Size of Auxiliary Output Queue
- TRNS	aaaa	Selects which messages are going to be translated (aaaa = (NONE), HELP, or BOTH)
- NCPU	x	Number of CPUs (x = 1 or (2))
- CFWS	(NO) YES	Call Forward Saved on SYSLOAD
- PCML	aa	Pulse Code Modulation Companding Law (aa = (MU) or A)
- ALRM	(NO) YES	Minor Alarm displayed on attendant consoles
- ERRM	aaa	Error Messages (aaa = ERR, BUG, or AUD)
- DTRB	xxx	Digitone Burst time in ms (xxx = 50, 60, 70, or (100))
- ABCD	(NO) YES	16-tone DTMF operation enabled
- TMRK	xxx	Length of cadence increments in ms (xxx = 96 or (128))
- FCDR	aaa	Format for Call Detail Recording (aaa = (OLD) or NEW)
- PCDR	(NO) YES	Priority to CDR
- TPO	(NO) YES	Traffic Period Option
- TSO	(NO) YES	Trunk Seizure Option
- CLID	(NO) YES	Calling Line ID in the CDR
- DUR5	(NO) YES	Duration 0.5
- MLDN	(NO) YES	Multiple Loop DN
- NDRG	(NO) YES	New Distinctive Ringing
- MARP	(YES) NO	Multiple Appearance Redirection Prime feature allowed
- IPIE	(NO) YES	Enhanced Unsolicited Status Message (USM) IE
- FRPT	aaaa	(Deny) or allow Access to incoming calls by FRE station (aaaa = (NEFR) or OLFR)
- DCUS	0-5	Maximum number of ACD-ADS customers
- MSCL	(0)-8191	Maximum number of Speed Call Lists that can be defined on the system
- PMSI	(NO) YES	Modify Property Management Systems parameters
- - MANU	aaaa	PMS interface (aaaa = (PMS1), PMS2, or PMS3)
- - PMCR	5-1023	Number of Call Registers used for PMSI

- - PORT	0-15	Port number (range varies according to system option and card/port type)
- - XTMR	(0)-6	PMS acknowledgment time
- - XNUM	(1)-4	Number of retransmissions per message for PMSI
- - PMIN	(NO) YES	Minor alarm when the PMSI link is not responding
- - PTMR	(0)-31	Polling timer for PMSI
- NDIS	(20)-255	Number of Display messages for Background Terminal
- OCAC	(NO) YES	Support the Original Carrier Access Code format
- MTRO	aaa	Message Registration or Periodic Pulse Metering (aaa = (MR) or PPM)
- SBA_ADM_INS		
	0-(2)-63	Maximum Administrator and/or Installer Log Ins allowed at one time
- SBA_USER	0-(100)-500	Maximum User Log Ins allowed at one time
- BCAP	a...a	Bearer Capability (a...a = SPEE or 31KH)
- NORTEL_BRAND		
	YES NO	“NORTEL” Electronic Brandlining is displayed.
IDLE_SET_DISPLAY aaaa		Current customized text string “aaaa” is shown. This is for information only
- MODIFY	(NO) YES	Change Electronic Brandlining Terminal Text Broadcast Configuration
- PWD2	x...x	Password 2
- MODIFY	(NO) YES	Change Electronic Brandlining Terminal Text Broadcast Configuration
- MODIFY	(NO) YES	Change Electronic Brandlining Terminal Text Broadcast Configuration
- PWD2	x...x	Password 2
- MODIFY	(NO) YES	Change Electronic Brandlining Terminal Text Broadcast Configuration
- PWD2	x...x	Password 2
- SUPPORTED_TEXT_ONLY		
	(YES) NO	Change customized text string by text string input
- - IDLE_DISP_STRING		
	aaaa	Enter customized text string by text string input

IDLE_SET_DISPLAY aaaa		This is information only. Displayed for confirmation with the following OK prompt
- OK	(YES) NO	Confirm customized text string
- -IDLE_DISP_CHAR xx c/hh		Change customized text string character by character, where: xx = (01 to 24) c = one supported character hh = 2 hexadecimal digits representing a supported character
IDLE_SET_DISPLAY aaaa		DLE_DISP_CHAR customized text string “aaaa” is shown. This is information only. Displayed for confirmation with the following OK prompt
- OK	(YES) NO	Confirm customized text string
IDLE_SET_DISPLAY aaaa		Current customized text string “aaaa” is shown. This is for information only
- MODIFY	(NO) YES	Change Electronic Brandlining Terminal Text Broadcast Configuration
- PWD2	x...x	Password 2
- SUPPORTED_TEXT_ONLY		
	(YES) NO	Change customized text string by text string input
- - IDLE_DISP_STRING		
	aaaa	Enter customized text string by text string input
IDLE_SET_DISPLAY aaaa		This is infromation only. Displayed for confirmation with the following OK prompt
- OK	(YES) NO	Confirm customized text string
- - IDLE_DISP_CHAR xx c/hh		Change customized text string character by character, where: xx = (01 to 24) c = one supported character hh = 2 hexidecimal digits representing a supported character
IDLE_SET_DISPLAY aaaa		IDLE_DISP_CHAR customized text string “aaaa” is shown. This is information only. Displayed for confirmation with the following OK prompt
- OK	(YES) NO	Confirm customized text string

Gate Opener: PWD (Password)

The PWD2 prompt appears immediately following the TYPE = PWD entry, unless the LAPW password Multi User Login are enabled. To view LAPW prompts, LAPW package 149 must be equipped. LAPW users can change their passwords by entering the current password at prompt LPWD and entering the new password at the NLPW prompt.

Prompt	Response	Comment
REQ:	CHG	Change
TYPE:	PWD	Configuration Record
PWD2	a...a	Enter valid password
PSWD_COMP	(OFF) ON	Turns on or off the password complexity check for the ADMIN, LAPW and PDT passwords.
FPC	(NO) YES	Force Password Change
LOUT	1-(20)-30	Logout, Inactive Session Logout Time in minutes
FLTH	0-(3)-7	Failed Log In Threshold
LOCK	0-(60)-270	Lockout time
FLTA	(NO) YES	Failed Log In Threshold Alarm
AUDT	(NO) YES	Audit Trail for password usage
- SIZE	(50)-1500	Word Size of Audit Trail buffer
LLID	(NO) YES	Last Log In Identification
INIT	(YES) NO	Initialize to reset locked-out ports
ACCOUNT_REQ	aaa	Account Request, where: aaa = (END), NEW, CHG, or OUT
PWD_TYPE	aaa	Specifies the user type being added to the system, where: aaa = PWD2, PWD1, LAPW
- PWTP	(OVLY)	Type of LAPW account, where: (Overlay) Password Access Type
	SBA	Set-Based Administration Password Access Type
USER_NAME	a...a	Unique user name - up to 11 characters
PASSWORD	a...a	Password for validating the users credentials on login, 4 to 16 characters

CONFIRM	a...a	Confirm the typed in password
OVLA	xx xx ... xx	Overlays Allowed
LEVL	aaaa	Access Level for Set Based Administration password, where; aaaa = (INST) or ADMN
CUST	aaa	Customer to be accessible by way of PWnn
HOST	(NO) YES	Enable HOST mode Log In for password PWnn
MAT	(NO) YES	Enable MAT Log In for password PWnn
OPT	a...a	Options for password PWnn

Gate Opener: VAS (Value Added Server)

Prompt	Response	Comment
REQ:	CHG	Request
TYPE:	VAS	Value Added Server configuration
VAS	aaa	Value Added Server data block (aaa = NEW, CHG or OUT)
- VSID	0-15	VAS Identifier
- DLOP	lll dd ff ...	Digital Trunk Interface Loop or Loops (lll = loop number, dd = number of voice or data calls, ff = frame format)
- ELAN	x	Associate Value Added Server ID (VSID) x with Application Module Link over Ethernet (ELAN subnet) x
- AML	0-15	Application Module Link
- - SECU	(NO) YES	Security for Meridian Link applications
- - INTL	1-12	Interval for checking Meridian Link for overload in five second increments
- - MCNT	10-9999	Threshold for number of Meridian Link messages per time interval
- - CONF	aaa	CSL Configuration (aaa = DIR or IND)
- APPL	aaa VMBA	Application (aaa = NEW, CHG, or OUT; VMBA = Voice Mailbox administration)
- -CUST	xx	Customer number
- - DATA_CORRECT	(OFF) ON	Enable Voice Mailbox Database correction

- - AUTO_AUDIT	(ON) OFF	Enable the Automatic Voice Mailbox database audit
- - SATN	l s c u	SADM/Data Line Card TN
- - IDLP	0-254	DTI loop number used for IND CSL loop
- DLOP	lll dd ff ...	Digital Trunk Interface Loop or Loops (lll= loop number, dd = number of voice or data calls, ff = frame format)
- CMS	0-15	ESDI port number used for the CSL
- - SECU	(NO) YES	Security for Meridian Link applications
- - INTL	1-12	Interval
- - MCNT	10-9999	Message Count Threshold
- - CONF	aaa	CSL Configuration (aaa = DIR or IND)
- - SATN	l s c u	SADM/Data Line Card TN
- - IDLP	0-254	IND DTI Loop

ROLR / TOLR/ AOLR Offsets and Values

Offset	ROLR/AOLR	TOLR	Offset	ROLR/AOLR	TOLR
0	+45.00	-45.00	32	+45.00	-45.00
1	+45.85	-44.50	33	+44.15	-45.50
2	+46.70	-44.50	34	+43.30	-46.00
3	+47.55	-44.00	35	+42.45	-46.00
4	+48.40	-43.50	36	+41.60	-46.50
5	+49.25	-43.00	37	+40.75	-47.00
6	+50.10	-43.00	38	+39.90	-47.50
7	+50.95	-42.50	39	+39.05	-47.50
8	+51.80	-42.00	40	+38.20	-48.00
9	+52.65	-41.50	41	+37.35	-48.50
10	+53.50	-41.50	42	+36.50	-49.00
11	+54.35	-41.00	43	+35.65	-49.00
12	+55.20	-40.50	44	+34.80	-49.50
13	N.A.	-40.00	45	+33.95	-50.00
14	N.A.	-40.00	46	+33.10	-50.50
15	N.A.	-39.50	47	+32.25	-50.50
16	N.A.	-39.50	48	+31.40	-51.00
17	N.A.	-38.50	49	+30.55	-51.50
18	N.A.	-38.50	50	+29.70	-52.00
19	N.A.	-38.00	51	N.A.	-52.00
20	N.A.	-38.00	52	N.A.	-52.50
21	N.A.	-37.00	53	N.A.	-53.00
22	N.A.	-37.00	54	N.A.	-53.50
23	N.A.	-36.50	55	N.A.	-54.00
24	N.A.	-36.00	56	N.A.	-54.00
25	N.A.	-35.50	57	N.A.	-54.50
26	N.A.	-35.50	58	N.A.	-55.00
27	N.A.	-35.00	59	N.A.	-55.00
28	N.A.	-34.50	60	N.A.	-55.50
29	N.A.	-34.00	61	N.A.	-56.00
30	N.A.	-34.00	62	N.A.	-56.50
31	N.A.	-33.50	63	N.A.	-56.50

Note: ROLR values are for reset volume.

HRLR / HTLR Offsets and Values

Offset	HRLR	HTLR	Offset	HRLR	HTLR
0	+42.00	-44.00	32	+42.00	-44.00
1	+42.85	-43.50	33	+41.15	-44.50
2	+43.70	-43.50	34	+40.30	-45.00
3	+44.55	-43.00	35	+39.45	-45.00
4	+45.40	-42.50	36	+38.60	-45.50
5	+46.25	-42.00	37	+37.75	-46.00
6	+47.10	-42.00	38	+36.90	-46.50
7	+47.95	-41.50	39	+36.05	-46.50
8	+48.80	-41.00	40	+35.20	-47.00
9	N.A.	-40.50	41	N.A.	-47.50
10	N.A.	-40.50	42	N.A.	-48.00
11	N.A.	-40.00	43	N.A.	-48.00
12	N.A.	N.A.	44	N.A.	-48.50
13	N.A.	N.A.	45	N.A.	-49.00
14	N.A.	N.A.	46	N.A.	-49.50
15	N.A.	N.A.	47	N.A.	-49.50
16	N.A.	N.A.	48	N.A.	-50.00
17	N.A.	N.A.	49	N.A.	-50.50
18	N.A.	N.A.	50	N.A.	-51.00
19	N.A.	N.A.	51	N.A.	-51.00
20	N.A.	N.A.	52	N.A.	-51.50
21	N.A.	N.A.	53	N.A.	-52.00
22	N.A.	N.A.	54	N.A.	-52.50
23	N.A.	N.A.	55	N.A.	N.A.
24	N.A.	N.A.	56	N.A.	N.A.
25	N.A.	N.A.	57	N.A.	N.A.
26	N.A.	N.A.	58	N.A.	N.A.
27	N.A.	N.A.	59	N.A.	N.A.
28	N.A.	N.A.	60	N.A.	N.A.
29	N.A.	N.A.	61	N.A.	N.A.
30	N.A.	N.A.	62	N.A.	N.A.
31	N.A.	N.A.	63	N.A.	N.A.

Note: All values are OLR ratings measured without inserted loss/gain for trunk card interfaces and computed per IEEE methods. Receive ratings are at a maximum volume. Transmit ratings are measured in an anechoic environment with less than 25 dBA room noise.

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
500B	16-2048	Output buffers for single line and digital telephones, and trunks Buffers for single line telephones, trunks and Digital telephones Small System has a value of 500 allocated by the system and cannot be changed. These can be set higher but have no affect on the system operation other than consuming memory. Refer to the *Memory Calculations Appendix* in the *Planning and engineering* NTPs.	basic-19
ABCD	(NO) YES <CR>	16-tone DTMF operation enabled Original value is left unchanged	abcd-14
ABOR	1-(5)-255	Number of aborts before an out-of-service. Enter in units of 1, the number of aborts in 15 minutes before an out-of-service is enforced.	csl-7
ACCOUNT REQ			basic-4.50
	aaa	Account Request, where aaa is: (END) Exit overlay program NEW Add a new user CHG Change existing user OUT Remove a user	
ADAN		Action Device And Number	basic-19
	NEW aaa x	Add I/O device. Where: aaa = type, x = port	
	CHG aaa x	Change I/O device. Where: aaa = type, x = port	
	MOV aaa x	Move I/O device. Where: aaa = type, x = port	
	OUT aaa x	Remove I/O device. Where: aaa = type, x = port	

Prompt	Response	Comment	Pack/Rel
		Where, aaa and x can be any of the following: • AML 0-15 = Application Module Link • BDCH 0-63 = Backup primary D-channel • DCH 0-79 = primary D-channel • FDK 0 = Floppy Disk unit, only ADAN CHG HDK allowed (not applicable for Small System, Option 81C or CS 1000S) • ELAN 16-31 = Application Module Link over Ethernet • HDK 0 = Hard Disk unit, only ADAN CHG HDK allowed (not applicable for Options 11C or 81C) • HST = History file • PRT 0-15 = Printer port number • STA 0-15 = Single Terminal Access port number • TRF = Traffic Log file • TTY 0-15 = Teletype port number ***Note:*** You cannot configure more than 16 TTY and HST files. If a HST file is one of 16 TTY files configured and a new TTY is defined, the HST file will be deleted since the TTY has higher priority than HST. The MOV command is not supported for AML, BDCH, HST, PRT, or TTY.	
		MOV command not supported for moving MSDL D-channels and PRI D-channels due to complexity of restrictions and the risk of data corruption if restrictions not adhered to. Limited usefulness.	basic-25.4
		Changes to I/O devices are saved before ADAN is reprompted. To indicate the data has been saved, one of the following is output: • ADAN DATA SAVED • ADAN DATA CHGED • ADAN DATA REMOVED • ADAN DATA MOVED Entering 4 asterisks (****) after the ADAN prompt saves the changes and exits the overlay.	

Prompt	Response	Comment	Pack/Rel
		Where aaa is the primary D-channel and • x = 0-254 for multi-group systems • x = 0-63 for single-group systems • x = 0-79 for Small System and CS 1000S	basic-25
ADDITIONAL_PORT	P1 P2 P3	Additional port number for STA terminal This is the port for the Single Terminal Access regular terminal, or the STA system monitor connection. This prompt repeats until <CR> is entered. There can be up to 3 ports for each STA application. Precede with X to delete the port.	sta-19
ADMIN_PORT	0	This is the port used to connect the Single Terminal Access Administration Port. This must be 0 (zero). Prompted if ADAN = STA	sta-19
A_FILTER	NEW CHG OUT	Add New Alarm Filter entry Change an Alarm Filter entry Remove an Alarm Filter entry This is reprompted for subsequent Alarm Filters. Up to 50 Alarm Filters may be configured. Entering <CR> moves on to the E_FILTER prompt. Precede with X to remove.	alarm-19
AF_STATUS	(OFF) ON	This prompt enables (disables) the alarm and exception filtering. <CR> retains the current filtering status	alarm-19
AGCD	(NO) YES	Automatic Gain Control Disabled	
ALARM	(NO) YES	Change Alarm filters Must have Alarm Filtering (ALRM_FILTER) package 243.	alarm-19
ALRM	(NO) YES	Minor Alarm displayed on attendant consoles. (NO) disables the minor alarm on consoles.	alarm-12
AML	0-15	Application Module Link	msdl-18

Prompt	Response	Comment	Pack/Rel
AOLR	(0)-12 32-50	2216 ACD set Objective Loudness Rating The default value for the AOLR prompt will be the same default value as for ROLR prompt. See “ROLR / TOLR/ AOLR Offsets and Values” on page 503 to determine the decibel level which corresponds to your response to AOLR.	basic-22
APPL	 NEW VMBA CHG VMBA OUT VMBA ISAP	Application Add Voice Mailbox Change Voice Mailbox Remove Voice Mailbox This prompt allows the user to add, change, or remove an application associated with the VAS ID. The APPL prompt appears when VAS = NEW or CHG. User application type: Meridian Link ISDN/AP	vmba-19 iap3p-13
APRT	(NO) YES	ACD printer APRT cannot be YES if prompt SSUP = YES.	acdc-1
APVL	l c c c	Analog Private Virtual Loop for virtual TN or channel ID For Large System • l = 0-159 For CS 1000E System • i = 0, 4, 8-252 For Option 11C • c = 1-9 11-19 21-29 31-39 41-49 For Option 11C Chassis • c = 0-4, 7-14, 17-24, 27-34, 37- 44, 47-50 For CS 1000S system • c = 11-14, 17-24, 27-34, 37- 44, 47-50 Format for MG 1000B Chassis • c = 0-4, 7-10 Format for MG 1000B Cabinet • c = 0-10 Format for MG 1000T, where:	dpnss-16 basic-4.0 lse-24 basic-1 basic-4.0

Prompt	Response	Comment	Pack/Rel
		• c = 0-4, 7-10, 11-14, 17-24, 27-34, 37- 44, 47-50 • u = 0-31 Precede with X to remove.	basic-4.0
ATRN	(NO) YES	Aries Transmission Change Transmission parameters for Meridian Modular or Aries telephones These transmission parameters are downloaded to Meridian Modular telephones: • after sysload (except during parallel reload) • when enabling the loop, shelf or card • when the telephone is plugged in. These values determine the loudness of the receiver and transmitter. ***Note:*** Before changing these values, refer to *Transmision Parameters* (553-3001-182) .	arie-14
AUDT	(NO) YES	Audit Trail for password usage Prompted for PWD1 and PWD2.	lapw-16
AUTO_AUDIT		Automatic Voice Mailbox database correction	vmba-19
	(ON) OFF	When enabled, the Voice Mailbox data is audited every 5 days to ensure consistency between the Meridian Mail and Meridian 1 databases. The audit takes place during the daily routines every 5 days.	
AXQI	(20)-255	Size of Auxiliary Input Queue Maximum lesser of 25% of the maximum number of call registers defined for the system, or 255.	basic-1
AXQO	(20)-255	Size of Auxiliary Output Queue Maximum lesser of 25% of the maximum number of call registers defined for the system, or 255.	basic-1

Prompt	Response	Comment	Pack/Rel
BANR		Optional Security Banner option. BANR is prompted when USER = SCH and/or MTC.	basic-22
	(YES) NO	Enable security banner printing option Disable security banner printing option	
		If BANR = YES, the following Security Banner will be printed at the time a login is attempted, whether or not the login is successful:	
		"Warning: The programs and data stored on this system are licensed to or are the property of NT/BNR and are lawfully available only to authorized users for approved purposes. Unauthorized access to any program or data on this system is not permitted. THis system may be monitored at any time for operational reasons. Therefore, if you are not an authorized user, DO NOT ATTEMPT TO LOG IN."	
		The programmer will not modify an existing I/O block by hitting carriage return (<CR>) in response to BANR.	
BATT	(NO) YES	Battery backup for memory installed on Option 21E and STE only	basic-18
BCAP		Bearer Capability	euroisdn-22
	(SPEE) 31KH	Speech 3.1 KHZ	
BCHI	1-15	Backup D-channel port number. Precede with "X" to remove.	pri-12
BCHL		PRI loop number for Backup D-channel. Prompted when ADAN = BDCH.	pri-12
	l	For Large System • l = 0-159	lse-24
		For CS 1000E System • l = 0, 4, 8-252	basic-4.0
	c	For Option 11C • c = 1-9 11-19 21-29 31-39 41-49	

Prompt	Response	Comment	Pack/Rel
		For Option 11C Chassis • c = 0-4, 7-14, 17-24, 27-34, 37- 44, 47-50 For CS 1000S system • c = 11-14, 17-24, 27-34, 37- 44, 47-50	basic-1
	c	Format for MG 1000B Chassis • c = 0-4, 7-10	basic-4.0
		Format for MG 1000B Cabinet • c = 0-10	basic-4.0
	c	Format for MG 1000T, where: • c = 0-4, 7-10, 11-14, 17-24, 27-34, 37- 44, 47-50 • u = 0-31	basic-4.0
	0-255	PRI loop number for Backup D-channel on Systems with Fibre Network Fabric Precede with X to remove.	fnf-25
BCST	(NO) YES	Only this broadcast port is affected by flow control All broadcast ports of the same user type are affected by flow control. Use this prompt with caution. For example, if BSCT = YES, and a maintenance port receives an X-off command, system output to all maintenance ports will eventually be blocked. This prompt appears only if FLOW = YES. BSCT is not prompted for TTY_TYPE = LSL.	basic-18
BITL	(5), 6, 7, 8	Bit length. Prompted for asynchronous ESDI ports. For Small System, BITL is not prompted for CARD 0 PORT 0 or when TTY_TYPE = PTY.	cls-7
BKGD	30, 33, 34, 35, 36, 37, 38, 40, 41, 43, 44, 45, 46, 53	Background overlay task Enter the diagnostic program number 30, 33 and so on, to run sequentially in background when the overlay area is idle. The data dump routine LD 43 should be reserved for the DROL to preserve data integrity. Programs 33, 45, 46 and 53 are not applicable to Small System.	basic-1

Prompt	Response	Comment	Pack/Rel
BPS		Asynchronous baud rates (bits per second):	cls-7
	1200	1200 Bits Per Second	
	2400	2400 Bits Per Second	
	4800	4800 Bits Per Second. Default for AML ports.	
	9600	9600 Bits Per Second. Default for Multi Group systems CP card.	
	19200	19200 Bits Per Second	
	48000	48000 Bits Per Second	
	56000	56000 Bits Per Second	
	64000	64000 Bits Per Second. Default for ISL D-channels.	
		If the baud rate is set differently (e.g., 4800) the system will return to the default TEMPORARILY if it is manually initialized. The entered baud rate will return when the initialization is complete.	
		For Small System, BPS is not prompted for CARD 0 PORT 0 or when TTY_TYPE = PTY.	
BSRV	(NO) YES	B channel Service messaging.	basic 25.4
BSRC	1- (2) - 4	B channel Service Re-transmission Counter.	basic 25.4
CAB		Cabinet number for Small System	basic-22
		For CS 1000S where Main Cabinet is Call Server and Expansion Cabinet is MG 1000S	basic-1
	(0)	Main cabinet	
	1	Expansion cabinet 1	
	2	Expansion cabinet 2	
	3	Expansion cabinet 3	lse-24
	4	Expansion cabinet 4	lse-24
		Note the following: 1. LSL is only supported on the main cabinet. When TTY_TYPE = LSL, CAB is not prompted. Instead, CAB 0 is printed automatically. 2. Pseudo TTY does not belong to any cabinet. Hence, for TTY_TYPE = PTY, CAB is not prompted.	

Prompt	Response	Comment	Pack/Rel
CAB_TYPE	a...a	Cabinet Type. Where a...a is: • IP = IP Expansion Cabinet or MG 1000S • FIBR = Fiber Expansion Cabinet	sipe-25
CDNO	0-15	Serial Data Interface (SDI) Card number Number the SDI cards logically with the system. Keep a paper record of the number and physical location of each SDI card. Enter 0 if you are not using CDNO to keep track of SDI ports and cards.	xpe-15
	1-50	DCHI Small System Card number	
	1-9 11-19 21-29 31-39 41-49	MSDL application Small System Card number	lse-24
	0-10	SDI, LSL or PTY Small System Card number Expansion cabinets only support one TTY port which is on the Fiber Receiver Card. When CAB = 1 or 2, CDNO is not prompted. Pseudo TTY does not belong to any card. When TTY_TYPE = PTY, CDNO is not prompted.	basic-20
	0-50	SDI, LSL or PTY Small System Card number	lse-24
	1-50	AML application Small System Card number	lse-24
CEQU	(NO) YES	Change to Common Equipment parameters	basic-1
CFWS	(NO) YES	Call Forward Saved on SYSLOAD and reactivate on completion. To save information, set CFWS = YES.	basic-20
CLID	(NO) YES	Calling Line ID in the CDR If CLID = NO, “XXXXXXXXXXX” will be printed in CLID field of CDR record. Prompted when CDR = YES and the Integrated Services Digital Network (ISDN) package 145 is equipped.	pri-12
	OPT0	Prefix = 0 for North American dialing plan. OPT0 is the default for ESIG and ISIG interfaces.	euroisdn-22

Prompt	Response	Comment	Pack/Rel
	OPT1	Prefix = 1 for international PFXs in CLID. Any numbering type is supported. OPT1is the default for all EuroISDN interfaces.	
	OPT2	Prefix = 2, for international PFXs in CLID. CCITT numbering types supported are: UKWN, INTL, NPA, and NXX. OP2 is the default for CO/DID routes for the Telecom New Zealand interface.	
	OPT3	Prefix = 3 for international PFXs in CLID. Only the NXX number type is supported. OPT3 is the default for TIE routes for the Telecom New Zealand interface.	
	OPT4	For international COs, if the call originates from a CO trunk type, add nothing. Otherwise, add PFX1 and PFX2. OPT4 is the default for all Asia Pacific interfaces.	
	OPT5	This is the same as OPT4, except it supports a maximum of 10 digits in the CLID. OPT5 is the default for the Austrian interface.	
CLOK		Source of primary clock is either internal or external. Prompted for ISL D-channels and ESDI synchronous ports. Other D-channels are automatically set to EXT.	pri-12
	EXT	External Clocking. When USR = ISLD, CLOK should be set to External. Default for ISL D-channels is EXT.	
	INT	Internal Clocking. INT is used only during D-channel loopback tests, where one side is set to INT, the other is set to EXT. Default for ESDI AML ports is INT.	
CMS	0-15	ESDI port number used for the CSL	cls-7
		Synchronous ESDI port number used for the CSL. This must be the same value as the port number defined at the ADAN prompt. Precede with X to remove. Prompted when SYNC and USER = CMS.	

Prompt	Response	Comment	Pack/Rel
CNEG		Channel Negotiation option	ipra-15
	(1)	Channel is indicated and no alternative acceptable, exclusive. Default value for all EuroISDN interfaces except FRA interface.	
	2	Channel is indicated and any alternative acceptable, preferred. Default value for all EuroISDN interfaces except FRA interface. CNEG is prompted when IFC = APAC, AXEA, AXES, D70, NUME, SS12, ESIG, ISEG or TCNZ.	
CNI	s p g	Core to Network Interface card location. To OUT a CNI card, it must be hardware disabled and located in the inactive CPU. For systems with Fibre Network Fabric: s = slot 9-12; p = port 0-1; g = group 0-7 Both ports (0 and 1) can be used to configure network switching groups for card slot 9. No CNI cables are required for port 0 of card slot 9.	basic-21
CNTY		Country	supp-10
	(ETSI)	ETS 300 =102 basic protocol	
	AUS	Austria	
	AUST	Australia	
	CHNA	China	basic-23
	CIS	Commonwealth of Independent States	euro- 23
	DEN	Denmark	
	DUT	Holland	
	EAUS	Australia	euro-24
	EIR	Ireland	
	ESP	Spain	
	FIN	Finland	
	FRA	France	euro- 23
	GER	Germany	
	HKNG	Hong Kong	
	INDI	India	isdn-24
	INDO	Indonesia	basic-23
	ITA	Italy	
	JAPN	Japan UIPE based interface	basic-23
	MSIA	Malaysia	basic-23
	NET	ETSI network side protocol	
	NOR	Norway	
	PHLP	Philippines	isdn-24
	POR	Portugal	

Prompt	Response	Comment	Pack/Rel
	SING	Singapore	
	SWE	Sweden	
	TAIW	Taiwan	isdn-24
	TCNZ	New Zealand, defined as APISDN	
	THAI	Thailand	
CODE	x xx xx xx	Code, prompted when DTD = TDS.	basic-14
		A valid Hex Code for access to a flexible TDS table for a test tone, used to check a Dial Tone Detector or DTD.	
		This code only applies when the tone generator is a TDS. If an XCT is used to generate the test tone the value in CODE will be ignored and the XCT will generate the dialtone specified in the FCT Table number 0 in LD 56.	
		CODEC Coding Law	basic-14
	(0)	Mu or µ-Law for North America. This parameter is only used by the Meridian digital sets as part of the transmission parameters.	
	1	A Law, inverted for Sweden only	
	2	A Law, even-bit interleaved	
CONF	DIR	Direct link CSL Configuration	basic-1
	IND	Indirect link CSL Configuration	
	0-158	Conference loop Use even-numbered loops for Conference. You may configure more than 16 Conference loops; however, enabling more than 16 Conference loops may cause the system to lock-up. Precede with X to remove.	
	0-255	Conference loop, systems with Fibre Network Fabric	fnf-25
	29-31	Small System, 31 is for Expansion Module	
	D0-D158	Dealer Conference loop	ohol-20
	S0-S158	Spare dealer Conference loop Should be in the same group as the units planned to use this loop.	ohol-20
	29 30	Small System base conference capability For CS 1000S IP daughterboards	basic-1
	31	Small System Provided on the first single port expansion daughterboard or CS 1000S IP daughterboard	
	62	Small System Provided on the second single port expansion daughterboard or CS 1000S IP daughterboard	

Prompt	Response	Comment	Pack/Rel
	31 94	Small System Line Size Expansion Provided on the first dual port fiber expansion daughterboard or CS 1000S IP daughterboard	lse-24
	62 95	Provided on the second dual port fiber expansion daughterboard or CS 1000S IP daughterboard	
CONFIRM	a...a	Confirm the typed in password	basic-4.50
CO_TYPE	(STD) ATT	Central Office switch type. Prompted if IFC = NI2. 100% compatible with Bellcore standard AT&T 5ESS	ni2-21
CRC	1-(10)-20	CRC threshold. Enter in units of 5 per cent. CRC establishes the % of Cyclic Redundancy Code (CRC) errors detected in 15 minutes before an out-of-service threshold is enforced. CRC = (# of packets retransmitted) ÷ (total # packets sent).	cls-7
CSQI	(20) - x	Maximum number of call registers for CSL input queues. Where: x = 25% of NCR If AST is enabled, set CSQI equal to the larger value of the following: 1. Number of ACD agents or AST sets to be controlled by the host computer, or 2. 50. ***Note:*** These call registers are used for Command and Status Link applications such as Meridian Link.	cls-7

Prompt	Response	Comment	Pack/Rel
CSQO	(20) - x	Maximum number of call registers for CSL/AML output queues. Where: x = 25% of NCR If AST is enabled, set CSQO equal to the larger value of the following: 1. Number of ACD agents or AST sets to be controlled by the host computer , or 2. 50. ***Note:*** These call registers are used for Command and Status Link applications such as Meridian Link.	cls-7
CTYP		Card Type (Input/output port card type)	msdl-18
	CPSI	Call Processor card (Option 81C)	
	DCHI	D-channel Interface card	
	DCIP	D-channel over IP	basic-4.0
	ESDI	Enhanced Serial Data Interface	
	ELAN	AML over Ethernet card	
	MSDL	Multi-purpose Serial Data Link (for Downloadable D-channel on Small System)	
	MSPS	Misc./SDI/Peripheral Signaling card	
	PTY	Pseudo TTY (Option 81C)	
	SDI	Single port SDI card	
	SDI2	Dual-port SDI card	
	SDI4	Four-Port SDI card	
	SPDC	Single Port DCH card	
	SDI4	Four port SDI card	
	TMDI	D-channel configuration on TMDI (NTRB21) card	basic-24
	XSDI	SDI paddle board ***Note:*** CTYP may printout as being set as QSDI from previous software, but CTYP must be set to SDI4 when configuring data.	

Prompt	Response	Comment	Pack/Rel
CUST	xx	Customer number associated with this function (as defined in LD15)	lapw-16
	xxx	Customer to be accessible by way of PWnn. Enter the customer (0-99) and the associated Tenant numbers (entered at the TEN prompt) to have access with PWnn to overlays specified at prompt OVLA.	
	ALL	All customers and associated tenants have access with this password.	
	<CR>	No change to previous definitions. Precede with X to remove.	
CY45	(0)-31	Cycles LD 45 can be run whenever a fault is detected If any number from 1 to 31 is entered, that is the number of times LD 45 will run under fault conditions. If 0 is entered the system will perform as before without limiting the number of LD 45 runs.	supp-16
DATA_CORRECT	(OFF) ON	Voice Mailbox Database Correction In enabled state, the Meridian Mail database is updated to match the Meridian 1 database when the database audit discovers a discrepancy.	vmba-19
DCHI	0-15	D-channel Interface port number When adding a D-channel the MEM AVAIL data is output after this prompt indicating the channel has been added. You can therefore abort the program and save the changes without going to the REQ prompt. Precede with X to remove.	pri-12
DCHL	0-159	PRI loop number	pri-12
	0-159 1-126	PRI loop number and interface identifier for the DCH when IFC = D70 or CNTY = JAPN.	
	0- 159 (0)-3	PRI loop number and interface identifier for the DCH when IFC = TCNZ or CNTY = MSIA.	

Prompt	Response	Comment	Pack/Rel
	0-159 2-15	PRI loop number and interface identifier for all other interfaces	
	0 - 255	PRI loop number, systems with Fibre Network Fabric	fnf-25
	xx yyy	PRI card number. For Small System. Where: • xx = 1-9 11-19 21-29 31-39 41-49 For CS 1000S. Where: • xx = 11-14, 21-24, 31-34, 41-44 For Small System and CS 1000S. Where: • yyy = (0)-3, Small System PRI card number (D channel loop) and interface identifier for the DCH when IFC = TCNZ or CNTY = MSIA. • yyy = 1-126, Small System PRI loop number and interface identifier for the DCH when IFC = D70 or CNTY = JAPN. • yyy = 2-15, Small System PRI loop number and interface identifier for all other interfaces. One DCH can support up to 16 PRIs, except for D70 and JAPN (9 PRIs) and TCNZ and MSIA (4 PRIs). Precede with X to remove.	basic-1
DCUS	0-5	Maximum number of ACD-ADS customers	acdd-1
DDCS	0-159 xx	Loop number for NT DPNSS/DASS hardware For Small System DPNSS PRI card number. Where xx is: 1-9 11-19 21-29 31-39 41-49 For CS 1000S DPNSS PRI card number Where xx is: 11-14, 21-24, 31-34, 41-44 Precede with X to remove.	dpnss-16 lse-25 basic-1
DENS	SDEN DDEN 4DEN	Single ports on SDI card Double ports on SDI card Quad ports on SDI card	basic-15

Prompt	Response	Comment	Pack/Rel
DES	d...d	Designator (AML port designation) DES is used to identify the link and can be up to 16 alphanumeric characters: 0-9, and upper case (A-Z) including spaces separating inputs. Characters * and # are not allowed. Spaces are removed by the system. For example “MERIDIAN MAIL” becomes “MERIDIANMAIL”. Use the underscore character instead, such as MERIDIAN_MAIL DES can be left blank or changed as required. If DES is already defined for a link, the system outputs the current name and reprompts DES. Precede the existing DES with X to remove. Example: “XMERIDIAN_MAIL”.	msdl-18
DIDD	(0)-15	DID Delete Number of leading digits to delete when receiving digits from DID trunk.	isdn-16
DLOP	lll dd ff	Digital Trunk Interface Loop or Loops. Where: • lll = 0-159 • lll = 1-9 11-19 21-29 31-39 41-49 Small System • lll = 0-255 systems with Fibre Network Fabric lll = 11-14, 21-24, 31-34, 41-44 for CS 1000S • dd = maximum number of simultaneous voice or data calls 0-(24) • ff = frame format D2, D3, D4, or ESF The default for frame format ff is ESF if prompt MODE is set to PRI; D3 if MODE is set to DTI or LINK. Loop must be removed before a change to ff can be made.	dti-5 lse-25 fnf-25 basic-1
	L1 L2 Ln	Digital Trunk Interface Loop or Loops Loop numbers of the DTI Loops associated with this VAS. Loops must have previously been defined as MODE = LINK. Precede with X to remove.	

Prompt	Response	Comment	Pack/Rel
DNUM	0-15	Device number for I/O ports. All ports on the MSDL card share the same DNUM. The MSDL card address settings must match the DNUM value. For all other ports such as SDI, DCHI, etc., the device number should match the port address switch settings. To configure a D-channel on an even number port the card type must be SPDC or MSDL.	msdl-18
DPNS	(NO) YES	Digital Private Network Signaling	dpnss-16
DRAT	(56K) 64KC 64KI	D-channel transmission Rate 56 kb/s when LCMT is AMI 64 kb/s clear. Allowed if LCMT = B8S for SL-1 to SL-1 only. Default for PRI2. 64 kb/s inverted HDLC, 64 kb/s restricted DRAT must match the far end. DRAT is not prompted when configuring the ISLD-channel because speed is controlled by the modem baud rate.	pri-12
DROL	30, 32, 33, 34, 35, 36, 37, 38, 40, 41, 43, 44, 45, 46, 51, 53, 60, 61	Daily Routine Overlays. Daily or midnight routine programs are run once a day at the time specified by prompt TODR. Programs 33, 45, 46 and 53 are not applicable to Small System.	basic-1
DTCS	1-159	Digital Trunk Channel Switches (Loop numbers for GPT hardware) Precede with X to remove. Not required for NT5K75AA. Prompted with Integrated Digital Access (IDA) package 122. DTCS does not apply to Small System.	supp-16
DTDT	NO TDS EXT	Dial Tone Detector Test No DTD tests are required The DTD is to be tested against a tone from the TDS The DTD is to be tested against an external source	dtd-10

Prompt	Response	Comment	Pack/Rel
DTI2	0-159 N0-N159	2.0 Mb/s Digital Trunk Interface loop number 2.0 Mb/s Digital Trunk Interface phantom loop number. Precede loop number with an “N” to configure this loop as a phantom loop for trunks.	ipra-14
	0-255	DTI2 loop number, systems with Fibre Network Fabric	fnf-25
	1-9 11-19 21-29 31-39 41-49	Small System format for DTI2 loop number	lse-24
		Small System format for DTI2 phantom loop number. Precede loop number with an “N” to configure this loop as a phantom loop for trunks. On an Option 11C, a Phantom loop can be included between 1-9.	
	11-14, 21-24, 31-34, 41-44	For CS 1000S	basic-1
		Precede any DTI2 entry with X to remove.	
DTIB	(35)-1000	Digital Trunk Input Buffers	dass2-1 6
		Required for IDA trunks. Prompted with Integrated Digital Access (IDA) package 122. Used with NT5K75AA DCHI operating in mode 0 or 1.	
DTIC	0, 4, 8,…156	Starting network loop slot for PRI/DTI card	di-5
	0, 4, 8,... 254	systems with Fibre Network Fabric	fnf-25
		On non-Network loops, enter return <CR> and ignore the SCH2035 message. Do not input loop numbers that take the system out of its bounds. Number must be even for all systems.	
		Not prompted for Small System.	
DTOB	(4)-100	Digital Trunk Output Buffers per Digital Trunk Signaling Link	dass2-16
		Required for IDA trunks. Prompted with Integrated Digital Access (IDA) package 122. Used with NT5K75AA DCHI operating in mode 0 or 1.	

Prompt	Response	Comment	Pack/Rel
DTRB		Digitone Burst time in ms	
	(100)	100 ms bursts of DTMF with 100 ms interdigit pause	
	50	50 ms bursts of DTMF with 50 ms interdigit pause	
	60	60 ms bursts of DTMF with 90 ms interdigit pause	
	70	70 ms bursts of DTMF with 70 ms interdigit pause	
		This determines the DTMF burst and interdigit pause for the Tone and Digit Switch or TDS.	
		Burst time of 50 ms is used for the Fast TDS; 100 ms is used for the standard TDS. Burst time of 60 ms and 70 ms is used for international requirements.	
DUPX	(FULL)	Full Duplex mode Enter FULL if each end can simultaneously send and receive.	csl-7
	HALF	Half Duplex mode	
DUR5		CDR call duration with 0.5 second accuracy. DUR5 does not apply to CDR data link.	cdr-8
	(NO)	CDR call record output on TTY with 2.0 second duration accuracy.	
	YES	CDR call record output on TTY with 0.5 second duration accuracy for Japan.	
		0.5 second duration accuracy is available for outgoing trunks with answer supervision outside Japan.	
ELAN	x	Application Module Link (AML) over Ethernet	nxcc-22
		Associate Value Added Server ID (VSID) x with AML over Ethernet (ELAN subnet) x.	
		The configured VSID of the ELAN subnet will be used to distinguish the connection between the Meridian 1 and each application in a multiple application Ethernet environment. If the Nortel Symposium Call Center (NGCC) package 311 is not equipped, a maximum of 16 ELAN subnets can be configured and supported in the range of 16 to 31.	
ENL	(YES)	ENL error message for Small System	ains-16
	NO	DIS error message for Small System	

Prompt	Response	Comment	Pack/Rel
ERRM		Error Messages (prompted when USER = MTC)	basic-1
	ERR	Error monitor-hardware	
	BUG	Error monitor-software	
	AUD	Software Audit	
		The messages, if enabled here, are output on the maintenance port. Precede with X to remove.	
ESCALATE			alarm-19
	0-(2)-127	Alarm occurrence threshold (prior to escalating)	
		This determines the number of times a major alarm may occur before it becomes critical. Entering 0 disables the alarm escalation. This applies to major alarms only.	
ESDI	YES NO	Enhanced Serial Data Interface	
		Default is as previous if ADAN = CHG. The default is NO if ADAN = NEW and no ports on the card are configured, or if the other port is configured and is not ESDI. The default is YES if the other port is configured and is ESDI.	
EXT0	x aaa bbb	Extenders for CPU 0	basic-19
		Not prompted for Small System. Identifies the types of extenders that connect the Central Processing Unit or CPU to the various Network shelves. Where: • x = Group number • aaa = extender type located on the CPU shelf • bbb = extender type located on the Network shelf	

Prompt	Response	Comment	Pack/Rel
		Valid inputs : • **x** = 0-4 • **aaa** = NIL for ACB cables or passive Bus Extender on CPU shelf 0. • **aaa** = SBE for Segmented Bus Extender on CPU shelf 0 cabled to Network shelf 3PE or Network shelf backplane connectors ACB. • **bbb** = NIL if Network shelf not equipped. • **bbb** = 3PE for 3 Port Extender on a Network shelf cabled to a SBE on CPU shelf 0, or cabled to CPU shelf 0 backplane connectors ACB.	
		Note: **bbb** must be 3PE for core side 0 for Network Capacity Expansion	fnf-25
EXT1	x aaa bbb	Extenders for CPU 1	basic-19
		Identifies the types of extenders that connect the Central Processing Unit or CPU to the various network shelves. Where: • **x** = Group number • **aaa** = extender type located on the CPU shelf • **bbb** = extender type located on the Network shelf Valid inputs: • **x** = 0-4 • **aaa** = NIL for ACB cables or passive Bus Extender on CPU shelf 1 • **aaa** = SBE for Segmented Bus Extender on CPU shelf 1 cabled to Network shelf 3PE or Network shelf backplane connectors ACB. • **bbb** = NIL if Network shelf not equipped. • **bbb** = 3PE for 3 Port Extender on a Network shelf cabled to a SBE on CPU shelf 1, or cabled to CPU shelf 1 backplane connectors ACB. EXT1 is not prompted for SmallSystems.	
		Note: **bbb** must be 3PE for core side 1 for Network Capacity Expansion	fnf-25

Prompt	Response	Comment	Pack/Rel
E_FILTER	NEW CHG OUT	Add an Exception Filter entry. Change an Exception Filter entry. Remove an Exception Filter entry. This is reprompted for subsequent exception filters. Up to 50 Exception Filters can be configured. Entering <CR> completes exception filter entries. Precede with X to remove.	alarm-19
FCDR	(OLD) NEW	Format for Call Detail Recording OLD format Information field location varies according to which features are equipped. NEW CDR format. Information field locations are fixed. Prompted when New Format CDR (FCDR) package 234 is equipped.	fcdr-20
FLOW	(NO) YES	Flow control capability This prompt appears for Options: 51C, 61C, and 81C. For Small System, FLOW is not prompted when TTY_TYPE = LSL.	csl-7
FLOW_TYPE	NONE XON MAIL HWR	Flow control type for Small System. FLOW_TYPE is prompted when TTY_TYPE = LSL. No flow control XON/XOFF flow control Mail style flow control protocol Hardware flow control protocol FLOW_TYPE must be MAIL for the LSL used for Meridian Mail administration / maintenance access. When TTY_TYPE = LSL and CARD = 0, only NONE and XON are valid responses.	basic-22
FLTA	(NO) YES	Failed Log In Threshold Alarm Activate minor alarm in the event of FLTH being reached. Prompted with International Supplementary Features (SUPP) package 131.	supp-18
FLTH	0-(3)-7	Failed Log In Threshold Prompted for PWD2 users.	lapw-16

Prompt	Response	Comment	Pack/Rel
FMT_OUTPUT		Alarm Filters Formatted printing	alarm-19
	(OFF)	This prompt disables formatting for the alarm/exception output.	
	ON	This prompt enables formatting for the alarm/exception output.	
	<CR>	Retains the current formatting status.	
FPC	(NO) YES	Allow or deny Force Password Change	basic-4.0
		Note: The FPC should not be set to YES until the system security manager is ready to change the default passwords. This prompt can be used by the system security manager to change all four system passwords. The Response is not retained in the database.	
FRPT	(NEFR)	Access to incoming calls by FRE station denied	basic-1
	OLFR	Access to incoming calls by FRE station allowed If FRPT = OLFR, then a FRE station can do Ringing Number Pickup, Night Answer and receive modified calls.	
FTYP	(3)	3.5 inch high density floppy type	basic-20
	3S	3.5 inch super density floppy type	
	5	5.25 inch floppy type	
		Prompted if ADAN = FDK or HDK. Not prompted for Small System.	
FUNC		MSDL card Function. This prompt is used when applying the MSDL card to the SDI application.	msdl-19
	ABD	Autobaud	
	FCL	Flow Control (XON/XOFF handling)	
	MOD	Modem support	
	LME	Line Mode Editing	
	SCN	Character Screening	
		Precede with X to delete.	

Prompt	Response	Comment	Pack/Rel
GRP	0-4	Network Group number (Option 81C) Group numbers cannot be changed until the I/O devices associated with that group are disabled. The option 61C supports 1 network group (0). Option 81C supports up to 8 network groups (0-7). For Option 81C: Port 0 of the CNI card in slot 8 in the NT6D60 Core Module must be configured as "group 5." This configuration is not equivalent to a network switching group (groups 0-4). "Group 5" extends the inter-processor section to the interface bus, within the Core Module, through the CNI card in slot 8 and the 3PE card in slot 7.	81-19
	0-7	systems with Fibre Network Fabric	fnf-25
HOST	(NO) YES	Enable HOST mode Log In for password PWnn. When a HOST user logs in, the outputs defined for the port are only output to that port. For example, two ports are defined by prompt USER to output BUG and SCH messages. When a HOST user logs in to one of these ports, the other port does not output BUG and SCH messages until the HOST user logs out. This removes the restriction that ports with the same output must operate at the speed of the slowest port. This feature is primarily used by applications such as Meridian Manager.	lapw-17
HPIB	16-1000 96-7500	High-Priority Input Buffers High-Priority Input Buffers for System Options 51C, 61C, and 81C. Recommended for attendant consoles and DID/TIE trunks. High priority line or trunk cards are placed in slot 1 and assigned have CLS = HPR in LD 10, 11, 12 or 14. Superloops do not require any line or trunk cards assigned as high priority. Refer to Appendix 553-2201-151.	basic-19

Prompt	Response	Comment	Pack/Rel
HRLR	(0)-8, 32-40	Handsfree Receive objective Loudness Rating The HRLR value is downloaded to Meridian Modular telephones after sysload, except when performing a parallel reload. Refer to *Transmision Parameters* (553-3001-182) before adjusting this value. The default is 0. The number entered in this field corresponds to an offset value. The offsets and their corresponding values are provided on page 504.	hfdl-20
HTLR	(0)-11, 32-54	Handsfree Transmit Objective Loudness Rating The HTLR value is downloaded to Meridian Modular telephones after sysload, except when performing a parallel reload. Refer to *Transmision Parameters* (553-3001-182) before adjusting this value. The default is 0. The number entered in this field corresponds to an offset value. The offsets and their corresponding values are provided on page 504.	hfdl-20
IADR	0-(3)-255	Individual Address for the data-link level HDLC protocol. The IADR and RADR prompts must be coordinated with the far end. If IADR is defined as 3, then RADR must be 1.	cls-7
ICON	(NO) YES	M3900 Full Icon Support Where: (NO) = feature disabled YES = feature enabled	ICON-PACKAGE 3.0

Prompt	Response	Comment	Pack/Rel
IDLE_DISP_CHAR	xx c/hh	Change customized text string character by character, where xx (01 to 24) is the position of the character in the customized text string. Prompted if the Electronic Brandlining ISM parameter is set to Terminal Text Broadcast (EBLN ISM value of 2). The IDLE_DISP_CHAR prompt is only prompted if SUPPORTED_TEXT_ONLY = NO and is re-prompted until a <CR> is entered or xx = 24th character has been entered, thus allowing additional characters to be entered. Where: c = one supported character. hh = 2 hexadecimal digits (0-9, A-F, a-f) representing a supported character.	basic-23
IDLE_DISP_STRING	aaaa	Enter customized text string by text string input. A maximum of 24 characters are accepted and validated. Enter <CR> for a blank Electronic Brandlining display. Prompted if the Electronic Brandlining ISM parameter is set to Terminal Text Broadcast (EBLN ISM value of 2).	basic-23

Prompt	Response	Comment	Pack/Rel
IDLE_SET_DISPLAY	aaaa	IDLE_DISP_STRING entered customized text string "aaaa" is shown. This is information only. This information is shown under three scenarios: 1. to show the current EBLN Terminal Text Broadcast customized text string before the MODIFY prompt to let the user decide if a change is required. 2. To show the customized text string entered in response to the IDLE_DISP_STRING prompt for confirmation with the following OK prompt. 3. To show the customized text string entered in response to the IDLE_DISP_CHAR prompt (s) for confirmation with the following OK prompt. Prompted if the Electronic Brandlining ISM parameter is set to Terminal Text Broadcast (EBLN ISM value of 2).	basic-23
IDLP	0-158	IND DTI Loop DTI loop number used for IND CSL loop. See DLOP prompt.	csl-7
	xx	Defines DTI card number used for IND CSL, Small System	
	0-255	DTI loop number used for IND CSL loop, systems with Fibre Network Fabric	fnf-25
IFC		Interface type for D-channel. Note that when USR = ISLD or SHA, the interface is automatically entered as SL1.	pri-17
	(D100)	Meridian DMS-100	
	1TR6	1 TR 6 for Germany	
	APAC	Asia-Pacific ISDN interface for Australian BRI UIPE PRI, China, Hong Kong, Indonesia, Japan BRI UIPE PRI, Malaysia, Singapore & Thailand	
	AXEA	Ericsson AXE-10 for Australia	
	AXES	Ericsson AXE-10 for Sweden	
	D250	Interface to Meridian DMS-250	
	D70	Interface to Japan D70	
	EGF4	Q Reference Signalling Point interface	qsig gf-24
	E403	EuroISDN interface for ETS 300 403	euro-24

Prompt	Response	Comment	Pack/Rel
	ESGF	ESIG interface with GF platform (allowed if QSIG and QSIGGF packages are both equipped)	
	ESIG	ETSI Q reference signalling point (QSIG) Interface ID. Allowed only if the new D-channel is configured on the MSDL card.	
	ESS4	Interface to AT&T ESS#4	
	ESS5	AT&T ESS#5	
	EURO	EuroISDN interface If IFC = EURO, the MOV command (REQ = MOV) may only be used to move an MSDL card to another MSDL card. For example, when IFC = EURO, an MSDL card cannot be moved to a DCHI card.	
	ISGF	ISIG interface with GF platform (allowed if QSIG and QSIGGF packages are both equipped)	
	ISIG	ISO Q reference signalling point (QSIG) Interface ID. Allowed only if the new D channel is configured on the MSDL card.	
	JTTC	Interface ID for JAPAN TTC; This input is only valid if the new D-channel is configured on the MSDL card	jttc- 23
	NI2	NI-2 TR-1268 interface type	
	NUME	Numeris for France	
	S100	Meridian SL-100	
	SL1	Meridian SL-1	
	SS12	SYS-12 for Norway	
	SWIS	SwissNet	
	TCNZ	Telecom New Zealand (NEAX-61)	
INC_T306	0-(2)-240	Variable timer for received disconnect message on incoming calls, allowing in-band tone to be heard when sent by the network (entered in 2 second increments). The network will stop sending tone after this timer expires. Default values for this timer include: 30 for China, Indonesia, Japan, Malaysia, Hong Kong, Singapore, New Zealand, and Thailand. 60 seconds for Australia PRI.	ddsp-20
INIT	(YES) NO	Manual initialization to reset ports which were locked-out due to failed LOGI attempts. CAUTION: While established calls in progress are unaffected, calls in the signaling state will be aborted.	lapw-16

Prompt	Response	Comment	Pack/Rel
		Note: Message PWD GLOBAL SETTINGS SAVED displayed when any changes made to the Password Gate Opener prompts and indicates to the user that the changes have been saved in protected memory. Ending the program with **** or ** will not reset the changes.	basic-4.50
INTL	1-12	Interval Time interval for checking Meridian Link for overload in five second increments This is the interval for counting the number of messages on a Meridian Link. See prompt MCNT.	iap3p-12
IPIE	(NO) YES	Allow or deny Enhanced Unsolicited Status Message (USM) Information Elements (IE).	basic-4.0
ISDN_MCNT	60-(300)-350	Layer 3 call control message count per 5 second time interval.	qsig-22
ISLM	1-382	Integrated Services Signaling Link Maximum. Maximum number of ISL trunks controlled by the D-channel. There is no default value.	isl-12
	(4000)	The maximum number of ISL trunks controlled by the D-channel. Note: ISLM prompt is hidden for D-Channel on IP and would be defaulted to 4000	basic-4.0
JDMI	0-159 0-255	Japan Digital Multiplexer Interface loop number JDMI loop number, systems with Fibre Network Fabric Precede with X to remove. Not for Small System.	jdtm-14 fnf-25
K	1-(7)-32	Maximum number of outstanding frames This value should be the same for the Meridian 1 (near-end) and the host processor (far-end). Where: • 7 = recommended value for AUX applications • 2 = recommended value for CCITT	cls-7
LANGUAGE	ENGLISH	Language supported on STA	sta-19
LAPD	(NO) YES	Link Access Protocol for D-channel	pri-12

Prompt	Response	Comment	Pack/Rel
		Change LAPD parameters.	
LAPW	0-99 <CR>	Enter Limited Access to Overlays Password number to be created, modified or deleted. No more password changes Precede with X to remove. LAPW is reprompted after the OPT prompt, thus allowing multiple Limited Access to Overlays Password users to be created. If the overlay is exited after the OPT prompt the LAPW information is saved. If the overlay is exited before the OPT prompt, the information is not saved.	lapw-16
LCMT	(B8S) AMI	B8ZS Line Coding Method Alternate Mark Inversion, B7 Line Coding Method The default is B8ZS when the frame format is ESF. When the frame format is D2, D3, or D4, the default is AMI.	pri-19
LCTL	(NO) YES	Change Link Control system parameters	cls-7
LEVL	(INST)	Access Level for Set Based Administration password Installer.	adminset-21
	ADMN	Access Level for Set Based Administration password Administrator	
LLID	(NO) YES	Last Log In Identification Identification display of last Log In and failed Log In attempts message allowed. Prompted with International Supplementary Features (SUPP) package 131.	supp-18

Prompt	Response	Comment	Pack/Rel
LNAME_OPTION			
	(NO) YES	Require Log In name for password access If the option is changed to YES, each password currently in the system is given a default name which is used until new names are assigned. The default names applied to the passwords are: • ADMIN1 is applied to the current PWD1 • ADMIN2 is applied to the current PWD2 • USER0 is applied to the current Password 00 • USER1 is applied to the current Password 01 • (and so on to USER 99) The following message is output before reprompting REQ: DEFAULT LOGIN NAMES SAVED. To login to the system with the LNAME_OPTION enabled, use: LOGIN ADMIN2 <CR> PASS (prompted by the system) Enter the current second level administration password. If the option is changed from YES to NO, random passwords are assigned by the system to ensure no password duplication. The default password for PWD2 is output to the terminal when this option is disabled. The following message is output: WARNING: PASSWORDS WILL BE CHANGED TO DEFAULT VALUES. OK? (Y/N) If Y is entered, the following appears: DEFAULT PASSWORDS SAVED PWD2 = <pwd2 password> Note that entering YES forces the user to define passwords. If NO is entered, Log In name may still be entered, but is not required.	lapw-19

Prompt	Response	Comment	Pack/Rel
		To find the other default passwords assigned by the system, Load Overlay 22 and print PWD. With Multi-user Log In enabled, it is possible for more than one user to be logged in with the same name/password combination. However, no two Log In names can have the same password associated with them.	
LOCK	0 -(60)-270	Lockout time, prompted for PWD1 and PWD2 users. The time, in minutes, that a port is locked out once the Failed Log In Threshold or FLTH has been exceeded. Messages of the lockout are displayed on maintenance terminals and supervisory stations.	lapw-16
LOGIN_NAME	aaa . . . . aaaa	Log In name for password access When LNAME_OPTION is YES, the names must be associated with each Log In password. This can be up to 11 alphanumeric characters (0-9, A-Z, a-z).	lapw-19
LOUT	1-(20)-30	Logout, Inactive Session Logout Time The number of minutes after which the system will logout if no information has been exchanged. Prompted with International Supplementary Features (SUPP) package 131.	supp-18
LPIB	96-7000 96-1000	Low-Priority Input Buffers for Large systems Low-Priority Input Buffers for Small systems. Most stations and trunks are defined as low priority. See prompt HPIB. Refer to the *Memory Calculations Appendix* in the *Planning and Engineering* NTPs.	basic-19
LPWD	aaaa <CR>	Enter current LAPW password to change user password. Leave Log In password unchanged This prompt appears only for LAPW users logged in with a LAPW password. This prompt is used by Limited Access to Overlay users to change their password.	lapw-16

Prompt	Response	Comment	Pack/Rel
LTHR	(NO) YES	Link Threshold Change link performance thresholds for ESDI only.	cls-7
MANU	(PMS1) PMS2 PMS3	Standard PMS interface Requires <CR> HOD to recognize input message Updated RMS message is followed by the old RMS when a room DN checks IN or OUT.	pmsi-19
MARP	(YES) NO	Multiple Appearance Redirection Prime feature allowed.	marp-18
MAT	(NO) YES	Enable MAT 5.0 Log In for password PWnn Mat 5.0 users can remote log in from a PC to perform Alarm Management and Maintenance operations through a graphical interface. PWD1 and PWD2 users always have MAT 5.0 access.	mat-22
MAT_READ_ONLY			mat-22
	(NO)	Do not restrict MAT 5.0 write access for password PWnn	
	YES	Restrict MAT 5.0 write access for password PWnn Read only provides MAT 5.0 users access to Alarm Management and Equipment View windows. However, read only users cannot clear or acknowledge alarms, and can only perform status commands. PWD1 and PWD2 users always have MAT 5.0 write access.	
MBGA	(NO)	Multilocation Business Group, for tenant, messages are allowed to be sent on this D-channel.	isdn-16
	YES	Multilocation Business Group, for tenant, messages are allowed to be sent on this D-channel.	
MCNT	10-9999	Message Count Threshold Threshold for number of Meridian Link messages per time interval. The recommended setting is 400. With INTL = 4 and MCNT = 400, the maximum flow is 20 messages per second.	iap3p-12

Prompt	Response	Comment	Pack/Rel
MFSD	0, 2, 4…158	Multifrequency Sender loop. Use even-numbered loops for Multifrequency Sender.	basic-1
	1-9	Small System Precede with X to remove.	
	0, 2, 4... 254	Multifrequency Sender loop, systems with Fibre Network Fabric	fnf-25
MGCR	0-NCR	Maximum number of call registers used by AUX messaging. MGCR is associated with the NCR prompt. It is the maximum number of call registers that can be queued for use by AUX messaging before extra processing time is allocated to handle them.	basic-1
MID_SCPU	(NO) YES	Midnight Switch Cores Allow or deny Midnight Switch Core, where: Deny causes the system to perform the 3PE test during the Midnight routine instead of switching CPUs. Allow causes the system to switch CPUs during the Midnight routine instead of performing the 3PE test. ***Note:*** Applicable to CPP systems only.	basic-3.0
MLDN	(NO) YES	Multiple Loop DN. MLDN allows multiple appearance DNs to be on different loops.	basic-1
MODE		Mode of operation	dti-8
	LINK	Digital Link mode (Not supported for Small System)	
	PRI	Primary Rate Interface mode	
	TRK	Digital Trunk mode	
MODIFY	(NO) YES	Change Electronic Brandlining Terminal Text Broadcast configuration. Prompted if the Electronic Brandlining ISM parameter is set to Terminal Text Broadcast (EBLN ISM value of 2).	basic-23

Prompt	Response	Comment	Pack/Rel
MPED	(SD) DD 4D 8D	Single (Maximum Peripheral Equipment Density) Double (Maximum Peripheral Equipment Density) Quadruple (Maximum Peripheral Equipment Density) Octal (Maximum Peripheral Equipment Density) Set to 8D for superloops. See LD 97. For Small System, MPED = 8D in the default data and must remain at this value for the peripherals to work.	basic-7
MQC_FEAT		MCDN QSIG Feature type Prompted if RCAP = MQC Precede MQC Feature type with X to remove	meet-24
	NAS NACD NMS	MCDN NAS functionalities are supported over QSIG MCDN NACD functionalities are supported over QSIG MCDN NMS - MC functionalities are supported over QSIG	
MSCL	(0)-8191	Maximum number of Speed Call Lists that can be defined on the system	optf-13
MSDT	0-159	Main Synchronization DTSL. Enter number of DTSL used for main synchronization. Prompted if SYNM = 1, 2 or 4.	supp-16
MTRO	(MR) PPM	Message Registration Periodic Pulse Metering	mr-20
MULTI_USER			multi-19
	(OFF) ON	Multi-User Log In	
MWIF		Message Waiting Interface	samm-20
	(STD) ISDM	Standard Message Waiting Interface Plessey ISDX switch with remote message notification capability	
MWTO	(15) - 30	Message Waiting Time-out timer in seconds. This prompt is only printed if the RCAP is set to either QMWI or QMWO. The value entered is the duration of a timer started when a SETUP message is sent to set up a connection-oriented, call-independent connection for MWI transport. The timer is stopped on receipt of a CALL PROCEEDING message.	qsig ss-25.4

Prompt	Response	Comment	Pack/Rel
MWRT	0 - (2) - 15	Message Waiting Retry Timer. This prompt is only printed if the RCAP is set to either QMWI or QMWO. The value entered is the number of re-tries to be effected after a SETUP timeout.	qsig ss-25.4
N1	32, 64, 128, (512)	Maximum Number of octets per HDLC information frame. An entry of 128 or 512 is recommended for ELAN subnets.	csl-7
N2	4-(8)-16	Maximum Number of retransmissions in steps of 1.	pri-12
N200	1-(3)-8	Maximum Number of retransmissions	pri-12
N201	4-(260)	Maximum Number of octets in information element	pri-12
N2X4	0-(10)-20	Maximum Number of status inquires when remote is busy (N2X2 only applies to 1TR6)	ovlp-16
NASA	(NO) YES	Network Attendant Service not allowed Network Attendant Service allowed Network Attendant Service signaling messages are sent on this D-channel.	nas-20
NCPU	1-(2)	Number of CPUs This value is normally programmed at the factory.	basic-18

Prompt	Response	Comment	Pack/Rel
NCR	xx	Number of Call Registers, range depends on system type. Where: • xx = 80 - 2047 on small systems • xx = 80 - 20000 on large systems with a single group • xx = 80 - 50000 on large systems with multiple groups The maximum number of call registers may be limited by the amount of system memory. In this case the number of call registers is the amount of protected memory available divided by the number of words per call register. Refer to the *Communication Server 1000M and Meridian 1: Large System Planning and Engineering* (553-3021-120) for memory calculations.	basic-19
NDCH	0 - 63	Move the primary D-channel to this logical number. The ADAN MOV command is supported for D-channels.	pri-18
NDIS	(20)-255	Number of Display messages for the Background Terminal (BGD). The NDIS entry determines the queue length for display messages for the BGD application.	bgd-10
NDRG	(NO) YES	New Distinctive Ringing Prompted if Distinctive Ringing (DRNG) package 74 equipped, and if packages ATVN 68, FTC 125 and JTDS 171 are turned off.	drng-10
NLPW	x...x <CR>	New Limited Access to Overlay log on password for the user Leave Log In password unchanged Length is 4-16 characters with Limited Access to Overlays (LAPW) package 164. Valid characters are 0-9, A-Z and a-z.	lapw-16
NORTEL_BRAND			basic-23

Prompt	Response	Comment	Pack/Rel
		"NORTEL" Electronic Brandlining display option. Prompted only if the EBLN ISM parameter value is set to "0" or "1".	
	(YES)	Show the "NORTEL" Electronic brandline.	
	NO	Show a blank brandline along with the Time and Date on an idle MDT set.	
NPW1	x...x <CR>	New Password 1(PWD1 Log In password) No change Valid characters are 0-9, A-Z and a-z. Length is 4-16 characters with Limited Access to Overlays (LAPW) package 164. Without the LAPW package, the password requires 4 hexadecimal digits (0-9, A-F).	basic-1
NPW2	x...x <CR>	New Password 2 (PWD2) No change Valid characters are 0-9, A-Z and a-z. Length is 4-16 characters with Limited Access to Overlays (LAPW) package 164. Without the LAPW package, the password requires 4 hexadecimal digits (0-9, A-F).	basic-1
NUMD	1- (2)	Number of floppy disk drives Prompted if ADAN = FDK or HDK. Not prompted for Small System.	basic-15
OCAC	(NO) YES	Support the Original Carrier Access Code format The expanded CAC format is automatically supported. OCAC should be set to YES before and during the interim period. If OCAC is not set properly, Equal Access screening will not function.	fcc-20

Prompt	Response	Comment	Pack/Rel
OK		Confirm validated Terminal Text Broadcast customized text string “aaaa” entered at the IDLE_DISP_STRING or at the IDLE_DISP_CHAR prompts. Prompted if the Electronic Brandlining ISM parameter is set to Terminal Text Broadcast (EBLN ISM value of 2).	basic-23
	(YES) NO	Keep the new text sting. Re-enter a new text string.	
OPT		Options for password PWnn. Multiple entries must be separated by a space.	
	(CFPA) CFPD	Configuration Prompts Allowed Configuration Prompts Denied CFPD allows access to prompts LPWD and NLPW to change one's own password.	lapw-16
	(DTD) DTA	Deny DN-TN correspondence (administrator access only) Allow DN-TN correspondence (administrator access only)	adminset-21
	(FEAD) FEAA	Deny Change Set Features (administrator & installer access) Allow Change Set Features (administrator & installer access)	adminset-21
	(FORCD) FORCA	Deny the Force command Allow the Force command	muli-19
	(LLCD) LLCA	Line Load Control Denied Line Load Control Allowed Access to Line Load Control commands in LD 2.	lapw-16
	(LOSD) LOSA	Loss Plan Customization Denied Loss Plan Customization Allowed	xpe-20
	(MOND) MONA	Deny the Monitor command Allow the Monitor command	muli-19
	(NAMD)	Deny Change CPND Names (administrator and installer access)	adminset-21

Prompt	Response	Comment	Pack/Rel
	NAMA	Allow Change CPND Names (administrator and installer access)	
	(PROD) PROA	Print Only Denied Print Only Allowed Restricts overlay access to printing functions only.	lapw-16
	(PSCA) PSCD	Printing of Speed Call lists Allowed Printing of Speed Call lists Denied Printing Speed Call lists can be allowed even though the overlay is restricted for all other functions.	lapw-16
	(RDBD) RDBA	Access to Resident Debug Denied Access to Resident Debug Allowed Access to Resident Debug (denied) allowed Must have International Supplementary Features (SUPP) package 131.	lapw-15
	(TADD)	Deny Set Time and Date (administrator and installer access)	adminset-21
	TADA	Allow Set Time and Date (administrator and installer access)	
	(TOLD)	Deny Change Toll Restrictions (administrator and installer access)	adminset-21
	TOLA	Allow Change Toll Restrictions (administrator and installer access)	
	(TRKD)	Deny Change Trunks (Opt 11E administrator access only)	adminset-21
	TRKA	Allow Change Trunks (Opt 11E administrator access only)	
		Note: Message PWD ACCOUNT SETTINGS SAVED displayed when user input information is complete. Once complete the user information is saved to protected memory. Ending the program with **** or ** abort will not reset the changes.	basic-4.50
ORUR	1-(5)-255	Overrun/Underruns out-of-service threshold Enter in units of 1, the number of overrun/underrun in 15 minutes before an out-of-service is enforced.	basic-1
OTBF	1-(32)-127	Output request buffers	pri-12

Prompt	Response	Comment	Pack/Rel
OUT_T306	0-(30)-240	Variable timer for received disconnect message on outgoing calls, allowing in-band tone to be heard when sent by the network. The network will stop sending tone after this timer expires. Default values for this timer include: 30 for China, Indonesia, Japan, Malaysia, Hong Kong, Singapore, New Zealand, and Thailand. 60 seconds for Australia PRI.	ddsp-20
OVLA	 1-99 ALL XALL <CR>	List of Overlay programs from 1 to 99 to be accessible by way of password PWnn Overlay number To allow access to all overlays To deny access to all overlays No change to previous definitions Multiple entries must be separated by a space and the last entry must be followed by a carriage return. Precede with X to remove.	lapw-16
OVLR	(NO) YES	Overlap Receiving	ovlp-15
OVLS	(NO) YES	Overlap Sending	ovlp-15
OVLT	(0)-8	Overlap Timer (in seconds) This timer controls the interval between the sending of INFORMATION messages.	ovlp-15
OVLY	(NO) YES	Overlay	basic-1
PASSWORD	 a...a	 Password for validating the users credentials on login	basic-4.50

Prompt	Response	Comment	Pack/Rel
PARM	(NO) YES	Gate opener for System Parameters.	
	R232/R422 DCE/DTE	Parameters for Interface and transmission mode, prompted for MSDL ports. The RS-422 parameters are established with switch settings on the MSDL card. This prompt is used to verify those settings prior to enabling the card. RS-232 parameters are set both on the card and at this prompt. Both values must be entered even if only one of them is being changed. For example “R232 DCE.” Default for AML is R232 DCE. Default for D-channels is R422 DTE.	msdl-18
PARY		Parity type. Prompted for asynchronous ESDI ports. For Small System, PARY is not prompted for CARD 0 PORT 0 or when TTY_TYPE = PTY.	basic-19
	(NONE) ODD EVEN	No parity bit Odd parity bit Even parity bit	
PBXH	0-23 X	Hour to perform Message Waiting lamp maintenance X = No test to be performed.	mwc-15
PCDR	(NO) YES	Priority to CDR YES gives CDR priority over call processing.	cdr-1
PCML		Pulse Code Modulation companding Law for the system	basic-1
	(MU) A	µ-Law (use µ-Law for North America) A-Law. This takes precedence over the response to the INTN prompt in Overlay 97 for Small System DTI/PRI.	
PDCH	0-63	Primary D-channel associated with a backup D-channel Both D-channels must be on the same card type that is DCHI or MSDL. Prompted if ADAN = BDCH	msdl-18

Prompt	Response	Comment	Pack/Rel
PINX_CUST			qsig-22
	0-99	This customer number will be used for the DN address translation associated with call independent connection messages received on this D-channel. Prompted when IFC = ISGF or ESGF.	
PMCR	5-1023 5 (x) y	Number of Call Registers used for PMSI Minimum number of call registers to be configured is 5 The lesser of either 60 or 25 percent of the total system call registers The lesser of either 250 or 25 percent of the total system call registers For example, if you enter 65, but 25 percent of the system total is 45, the number entered by the system will be 45.	pms-19
PMIN	(NO) YES	Minor alarm when the PMSI link is not responding. This is not prompted if XTMR = 0. When this prompt is Yes, the attendants minor alarm is activated when the PMSI link does not respond. Note that when the link responds again, the alarm is not cleared.	pms-19
PMSI	(NO) YES	Modify Property Management Systems parameters This is prompted is Property Management Systems Interface (PMSI) is enabled.	pms-19
PORT		*Port number for MSDL cards, Option 81C I/O devices, or PMSI ports:*	basic-19
	0-1 0-3 0-7 0-15	Port number for the CP card Port number for the MSDL card Port number for Pseudo TTYs This prompt appears for Property Management Systems Interface (PMSI) port configuration. Prompted only when CTYP = MSDL (Multi-purpose Serial Data Link), CPSI (Option 81C CP card), or PTY (Option 81C Pseudo TTY). *Port number for Option11 systems:*	
	0-1 0-2	Small System TDS/DTR Port number Small System System Core port number. Port 0 is configured on System Core but cannot be modified.	

Prompt	Response	Comment	Pack/Rel
	0-2	Small System, prompted for CAB 1-4 if CAB_TYPE = IP	sipe-25
	0-3	Small System DCHI/SDI Port number or Small System pseudo TTY port number *For Small System*: 1. Expansion cabinets only support one TTY port which is on the Fiber Receiver Card. When CAB = 1 or 2, PORT is not prompted. 2. The maximum number of pseudo TTY supported is 4. 3. For TTY_TYPE = LSL, Card 0 Port 0 is not allowed.	
	1, 3	DCHI Port number If D-channel is on PRI/PRI2 card, the valid Port number is 1. If D-channel is on NTAK02 card, Ports 1 and 3 are valid.	
PRI		Primary Rate Interface ISDN PRI architecture is composed of three protocol layers providing different services: • layer 1: physical layer • layer 2: link layer • layer 3: network layer These layers provide a standard interface for voice and data communication. Each layer uses the services provided by the layer below, and builds on these services to perform functions for the layer above. Each layer or block can be modified without affecting the protocols in another layer.	pri-12

Prompt	Response	Comment	Pack/Rel
	loop x	Enter loop number for additional PRI loops using the same D-channel and the interface ID for the additional loop numbers. Where: • loop = 0-159 for PRI loop number • loop = 0-255, systems with Fibre Network Fabric • x = 2-15 for Interface ID or 1-126 if IFC= D70 or CNTY = JAPN The PRI prompt is used to assign the PRI loops controlled by the D-channel. Each loop is given an Interface ID. The PRI loop carrying primary D-channel (DCHI) and backup D-channel (BCHI) are assigned an Interface ID 0 and 1, respectively. The 14 remaining PRI loops that can be assigned to the D-channel are defined here and given an Interface ID of 2-15.	fnf-25
	card x	For Small System Where: • card = 1-9 for PRI card number • card = 1-9 11-19 21-29 31-39 41-49 with Survivable IP • card = 11-14, 21-24, 31-34, 41-44 for CS 1000S • x = 2-15 for Interface ID or 1-126 if IFC= D70 or CNTY = JAPN Precede with X to remove. This prompt is repeated until <CR> is entered.	sipe-25 basic-1
PRI2	0-159 2-15	Secondary PRI2 loops for nB + D, plus sequence, when IFC = SL-1 and DCHL is a PRI2 loop.	ipra-14
	card 2-15	Small System Secondary PRI2 loops for nB + D, plus sequence, when IFC = SL-1 and DCHL is a PRI2 loop. Where card is: 1-9 11-19 21-29 31-39 41-49 PRI card number	
	0-159 0-3	Secondary PRI2 loops for nB + D, plus sequence, when IFC = TCNZ or CNTY = MSIA. The D-channel is not necessarily on IFC ID 0. This is set by service change.	

Prompt	Response	Comment	Pack/Rel
	xx 0-3	Small System when IFC=TCNZ and or CNTY=MSIA. Where xx is: • 1-9 11-19 21-29 31-39 41-49 PRI card number • 11-14, 21-24, 31-34, 41-44 for CS 1000S	basic-1
	0-159 xx	2.0 Mb/s Primary Rate Interface or PRI loop number Small System Where xx is: • 1-9 11-19 21-29 31-39 41-49 PRI card number • 11-14, 21-24, 31-34, 41-44 for CS 1000S	basic-1
	0-255	PRI2 loop number, systems with Fibre Network Fabric Precede with X to remove. This prompt is repeated until <CR> is entered.	fnf-25
PRIM	0-15	Primary PMS port. To remove port, enter X.	pms-19
PROG		Progress	euroisdn-22
	NCHG	Send a PROGRESS signal when a CALL PROCEEDING message which contains a progress Indicator Information Element is received at the Meridian 1 EuroISDN gateway. NCHG is the default for all interfaces except Australian, Austrian and Japan interface.	
	MALE	Send an ALERT signal when a CALL PROCEEDING message which contains a progress Indicator Information Element is received at the Meridian 1 EuroISDN gateway. MALE is the default for Japan interface.	
	MCON	Send a CONNECT signal when a CALL PROCEEDING message which contains a progress Indicator Information Element is received at the Meridian 1 EuroISDN gateway. MCON the default for Australian and Austrian interface.	

Prompt	Response	Comment	Pack/Rel
PR_RTN	(NO) YES	The prompt PR_RTN is printed only if the RCAP is set to PRI or PRO. Retain option is (is not) supported by the far end PINX.	qsig ss- 23
PR_TRIGS	<CR>	Path Replacement Triggers are set to their default values: DIV 2 3 CNG 2 3 XCON 2 3 CTR2 2 3 2 Path Replacement attempts with a delay of 3 minutes for Diversion and Congestion and Call Transfer (triggered from secondary end) but Connected number is not a trigger.	qsig ss-23
	DIV xx y	Diversion is used to trigger Path Replacement.	
	CNG xx y	Congestion is used to trigger Path Replacement.	
	CON xx y	A Connected number different from a called number is used to trigger Path Replacement.	
	CTR1 xx y	Call Transfer is used to trigger Path Replacement. The Path Replacement Propose will be triggered from the Primary End of transfer.	qsig ss-25
	CTR2 xx y	Call Transfer is used to trigger Path Replacement. The Path Replacement Propose will be triggered from the Secondary End of transer. Precede with X to remove. CTR1 and CTR2 are mutually exclusive. xx = 0 - 15, the number of Path Replacement attempts. y = 1 - 7, the delay between two Path Replacement attempts in minutes.	qsig ss-25

Prompt	Response	Comment	Pack/Rel
PRTY	xx xx xx	Priority overlay programs to be stored in cache memory Priority overlays stay in cache memory when a new overlay is loaded. Enter one or more commonly used overlay program numbers. Priority can be set only for the number of overlays specified in the CACH. xx = the overlay number. Precede with X to remove an overlay program number.	basic-18
PSWD_COMP	(OFF) ON	Turns on or off the password complexity check for the ADMIN, LAPW and PDT passwords, where: • password contains a combination of at least eight alphanumeric characters, of the following type: — lowercase alphabetic — uppercase alphabetic — numeric • password does not contain the user ID or a portion of the user ID, in normal or reverse form • password does not contain three or more letters in forward or reverse alphabetic sequence, ASCII sequence, or keyboard (QWERTY) sequence • password does not contain three or more consecutive characters • password does not match the default password	basic-4.50
PTMR	(0)-31	Polling Timer for PMSI This is the polling timer, in minutes. When PTMR = 0, polling does not occur.	pms-19
PWD	(NO) YES	Change Password options	basic -19

Prompt	Response	Comment	Pack/Rel
PWD2	x...x	Password 2 Enter current second level administration password. This password is required to change existing passwords PWD1, PWD2, LAPW passwords and to change the Electronic Brandlining Terminal Text Broadcast customized text string. Valid characters are 0-9, A-Z and a-z. Length is 4-16 characters with Limited Access to Overlays (LAPW) package 164. Without the LAPW package, the password requires 4 hexadecimal digits (0-9, A-F).	basic-1
PWD_TYPE		Specifies the user type account being added to the system	basic-4.50
	PWD2	Password 2	
	PWD1	Password 1	
	LAPW	Limited Access to Overlays Password	
PWnn	x...x	Password Length is 4-16 characters with Limited Access to Overlays (LAPW) package 164. Valid characters are 0-9, A-Z and a-z. Where: nn = number entered in response to LAPW prompt. Enter the LAPW password to be used for PWnn. ***Note:*** If the LAPW password is a Set Based Administration (SBA) password (PWTP=SBA), the PWnn response length is 4-16 numeric characters, where the valid characters are digits 0-9 only.	lapw-16
PWTP	(OVLY) SBA	OVLY Password Access Type SBA Password Access Type	adminset-21
QCHID	 (YES)	This rule is applicable for both encoding and decoding of Channel Identification IE Timeslot values 17 to 31 of the PR12 loop associated with channel number 17 to 31 of the Channel Identification IE (previous behavior)	qsig gf-24

Prompt	Response	Comment	Pack/Rel
	NO	Timeslot values 17 to 31 of the PR12 loop associated with channel number 16 to 30 of the Channel Identification IE	
RADR	0-(1)-255	Remote Address for the data-link level HDLC protocol The IADR and RADR prompts must be coordinated with the far-end. If IADR is defined as 3, then RADR must be 1.	cls-7
RCAP		Remote Capabilities. Enter one or more values to define the capabilities of the far-end.	pri-19
	BRI	Basic Rate Interface (when IFC = APAC, SL1, D70, ESS4, or ESS5)	
	CCBI	Call Completion to busy subscriber using integer value for operation coding CCBO/CCBI are mutually exclusive.	qsig ss-24
	CCBO	Call Completion to busy subscriber using object identifier for operation coding CCBO/CCBI are mutually exclusive	qsig ss-24
	XCCB	To remove remote capability.	
	CCBS	Call Completion to Busy Subscriber for QSIG and EuroISDN BRI interfaces. CCBS is allowed if QSIG supplementary services package 316 is equipped.	
	CCNI	Call Completion on no response using integer value for operation coding CCNO/CCNI are mutually exclusive.	qsig ss-24
	XCCN	To remove remote capability.	
	CCNO	Call Completion on no response using object identifier for operation coding CCNO/CCNI are mutually exclusive.	qsig ss-24
	XCCN	To remove remote capability.	
	CCNR	Call Completion to No Reply for QSIG and EuroISDN BRI interfaces. CCNR is allowed if QSIG supplementary services package 316 is equipped.	
	CPK	Network Call Park. CPK is allowed if: • IFC = SL1 • CPRKNET package 306 is equipped	

Prompt	Response	Comment	Pack/Rel
	COLP	Connected Line Identification Presentation Connected Number IE Presentation is supported on Indonesian interfaces. Default value for ESIG, ISIG, NI2, EUROISDN and Indonesian interfaces except AUS, EIR, DUT, BEL, FRA interfaces.	basic- 23
	XCOL	to remove Connected Number IE Presentation Default value for all APAC, AUS, EIR, DUT, BEL and FRA interfaces.	
	CTI	Call Transfer Integer CTI and CTO are mutually exclusive.	qsig ss-24
	CTO	Call Transfer Object CTI and CTO are mutually exclusive.	qsig ss-24
		QSIG SS Call Diversion Notification remote capability. Configure sending of QSIG Diversion Notification Information, treatment of Rerouting request and coding of operations. If coded as Object Identifier, the remote capability ends with ‘O”, whereas for Integer Value, the remote capability ends with ‘I’. Only one remote capability is allowed.	qsig ss- 23
		Add “call transfer notification” remote capability to the EuroISDN interface. Precede with ‘X’ to remove capability.	bne-25

Prompt	Response	Comment	Pack/Rel
	DV1I	Diversion information is sent to remote switch.	
	DV1O	Diversion information is sent to remote switch.	
	DV2I	Rerouting requests from remote switch are processed.	
	DV2O	Rerouting requests from remote switch are processed.	
	DV3I	Diversion information is sent to remote switch. Rerouting requests from remote switch are processed.	
		EuroI ISDN Call Diversion	bne-25
	DV3O	Diversion information is sent to remote switch. Rerouting requests from remote switch are processed. Precede with 'X' to remove capability.	
	ECTO XCTO	Add call transfer notification and invocation remote capability to the EuroISDN Use "XCTO" to remove capability.	bne-25
	MCID XMCI	MCID = Add MCID as a new remote capability. To remove remote capability.	etsi-ss- 23
	MQC	MCDN QSIG Conversion as a Remote capability	meet-24
	MSL MWI	Remote D-channel is on a MSDL card MMessage Waiting Interfacing with DMS or with Virtual Dchannels.	
	NAC	Network Access data. Enter XNAC to remove NAC as a remote capability. NAC is allowed if: • the D-channel is defined on an MSDL card (i.e. CTYP=MSDL) • the D-channel interface type is SL1 (IFC=SL1)	
	NCT ND1 ND2 ND3	Network Call Trace supported Network Name Display method 1 Network Name Display method 2 Network Name Display method 3. ND3 ensures the same level of service between the MCDN and QSIG name display services.	

Prompt	Response	Comment	Pack/Rel
	NDI	Name Display - Integer ID Coding	qsig-24
	NDO	Name Display - Object ID Coding	qsig-24
	NDS	NI-2 Name Display Option.	qsig ss-25.4
	XNDS	Remove NDS Option.	
		Add Path Replacement as a remote capability. Only one capability can be configured per link.	qsig ss-23
	PRI	The encoding method uses Integer Values.	
	PRO	The encoding method uses Object Identifier. Precede with 'x' to remove capability.	
	QMWI	Add Message Waiting Indication as a remote capability. The encoding method uses Integer Values.	qsig ss-25.4
	QMWO	Add Message Waiting Indication as a remote capability. The encoding method uses Object Identifier.	qsig ss-25.4
	XQMW	Remove Message Waiting Indication (using the Integer Values encoding method) as a remote capability.	qsig ss-25.4
	RVQ	Remote Virtual Queuing RCAP is prompted until only <CR> is entered in response. Precede a value with X to remove. ND1 and ND2 are used with Network Call Party Name Display or NCPND. Both ends must have NCPND. ND2 requires SL-100, DMS with BCS32 and later. Prompted with Remote Virtual Queuing (ORC_RVQ) package 192.	
	TAT	Invoke Trunk Anti-Tromboning operation if the far-end switch also supports this feature. TAT may be input if: TAT package is equipped, CTYP = MSDL, IFC = D100, SL1, S100 or D250.	
	UUI	Remote capability where Use- to-User Information is supported.	uui-3.0
	XUUI	Remove UUI capability.	

Prompt	Response	Comment	Pack/Rel
	UUS1	User-to-User Service 1 Decode UUS IE sent by Central Office Send UUS IE to Central Office	bne-25
	XUSS	Remove User-to-User Service 1	
RCVP	(NO) YES	Auto-recovery to primary D-channel option. RCVP is supported on SL-1 to SL-1 connections only. When RCVP = YES, the primary D-channel is automatically forced to be the active channel after it is brought up from a released state. This option must be coordinated with the far end. Both sides must be either YES or NO. If the two sides do not match, both sides default to NO. When IFC = SL-1, RCVP changes to NO. For Backup DCH only.	pri-13
REMD		Double Density Remote Peripheral Equipment loop(s)	rpe-1
	0, 1, 2, ...159	Meridian 1 loop or loops	
	G0,G1...G159	GEC loop or loops	
	T0,T1...T159	TVT loop or loops Precede loop number with X to remove. If entry is for an odd-numbered loop, the preceding even numbered loop cannot be TDS, CONF or MFSD.	
	0-255	Systems with Fibre Network Fabric	fnf-25
REMO		Single Density Remote Peripheral Equipment loop(s)	basic-1
	0, 1, 2, ...159	Meridian 1 loop or loops	
	G0,G1...G159	GEC loop or loops	
	T0,T1...T159	TVT loop or loops Precede loop number with X to remove. If entry is for an odd-numbered loop, the preceding even numbered loop cannot be TDS, CONF or MFSD	
	0-255	Systems with Fibre Network Fabric	fnf-25
REMQ		Quadruple density Remote Peripheral Equipment loop(s)	rpe-7
	0, 1, 2, ...159	Meridian 1 loop or loops	
	G0, 1...G159	GEC loop or loops	
	T0,T1...T159	TVT loop or loops Precede loop number with X to remove.	
REQ	CHG	Request: Change existing data block	basic-1
	END	Request: Exit overlay program	

Prompt	Response	Comment	Pack/Rel
RLS	xx	Release ID of the switch at the far-end of the D-channel. This is the software release at the far-end. If the far-end has an incompatible release, it prevents the sending of application messages. Shown below is the relationship between the ISDN application, equipment and the software release ID or BCS at the far-end. Application / Far-End / Minimum RLS Network Ring Again: SL-1 12; SL-100 26; DMS-100/250 26 Network ACD: SL-1 15; SL-100 29 Network Breakin and Force Disconnect: 25 (pomw-25.4) Network Message Service - Message Center: SL-1 15 Network Message Service - Meridian Mail: SL-1 16 Message Waiting Indication Interworking with DMS-100: SL-1 19; DMS-100 36 The Release ID information is required and supported for connection to Nortel equipment only. For connections to AT&T ESS#4 and ESS#5, set RLS = 1.	pri-19

Prompt	Response	Comment	Pack/Rel
ROLR	(0)-63	Receive Objective Loudness Rating The default is 0, indicating no change to the default +45 dB. The number entered in this field corresponds to an offset value. The offsets and their corresponding values are provided on page 503. The ROLR value is downloaded to Meridian Modular telephones after sysload except when performing parallel reload. Refer to *Transmision Parameters* (553-3001-182) before changing these values. Not prompted when United Kingdom (UK) package 190 is equipped.	arie-14
RPEB	16-1000	Remote Peripheral Equipment Buffers, 2.0 Mb/s RPE	rpe-15
RXMT	1-(5)-20	Retransmission Threshold Enter in units of 5 per cent. RXMT is the % of retransmissions allowed in 15 minutes before out of service is enforced, or: RXMT = (# of packets retransmitted) ÷ (total # packets sent).	basic-1
SATN	l s c u	TN of SADM/Data Line Card associated with IND CSL. For SL-1 telephone with CLS = CMSA. l = 0-255, Systems with Fibre Network Fabric	cls-7 fnf-25
SBA_ADM_INS	0-(2)-64	Maximum Administrator and/or Installer Log Ins allowed at one time.	adminset-21
SBA_USER	0-(100)-500	Maximum User Log Ins allowed at one time.	adminset-21
SECU	(NO) YES	Security for Meridian Link applications When set to NO, the host computer must specify both the TN and DN of the associate set in connect, answer and release messages. Prompted when the Integrated Services Digital Network Application Module Link for Third Party Vendors (IAP3P) package 153 is equipped for ISDN/AP Third Party.	iap3p-12

Prompt	Response	Comment	Pack/Rel
SEMT	(1)-5	Number of Status Enquiry Messages sent within 128 ms from the network side	msdl-24
SEVERITY		Alarm Severity of a particular alarm entry	alarm-19
	(NONE)	No rating (default status)	
	CRITICAL	System operation is in jeopardy	
	MAJOR	Serious condition, the system is operational	
	MINOR	Error condition detected, system operation not affected	
	<CR>	Retains current value	
SID	xxxx	System ID number The SID is used for polling an SL-1 for ACD, CDR and traffic reports. It can also be printed and changed using LD 2.	basic-1
SIDE		Meridian 1 node type	pri-12
	(USR)	Slave to the controller	
	NET	Network, the controlling switch	
		Prompted only if IFC = SL-1, ESIG or ISIG. Opposite sides of the PBX-to-PBX interface must be set as NET or USR. The call processing software uses these labels to handle call collision.	
SIZE	(0)- 65534	Size of History File buffer in characters	hist-18
		The History File stores system messages in Protected Data or P data and uses an SDI port address. The History File survives initialization, but is lost when SYSLOAD occurs or the length of the file is changed.	
		The History File cannot be created if all 16 I/O ports are defined. Prompted if ADAN = HIST or TRF	
	(50)-1500	Word Size of Audit Trail buffer The Size entered here must be a multiple of 50 for correct memory storage.	lapw-16
SL1B	16-2048	SL-1 Buffers Small System does not require SL-1B buffers. If set higher than default they only consume memory. Refer to the *Memory Calculations Appendix* in the *Planning and Engineering* NTPs.	basic-1

Prompt	Response	Comment	Pack/Rel
SMEM	(NO) YES	Short Memory test On a manual SYS load the memory is tested on one pass, if (NO), memory is tested with normal six pass test. Not prompted on Option 81C.	smem-19
SOLR	0-(1)-4	Sidetone Objective Loudness Rating The SOLR value is downloaded to Meridian Modular telephones after sysload except when performing parallel reload. Before changing these values, refer to *Transmision Parameters* (553-3001-182) .	arie-14
	(1) 0 2 3 4	12 dB 7 dB 17 dB 22 dB sidetone disabled The default is 0, indicating no change to the default +45 dB. The number entered in this field corresponds to an offset value. The default value is 1 (12 dB). The recommended North American value for all releases is 1 (12 dB). Does not apply to M2216.	
SSDT	0-159	Standby Synchronization DTSL Enter the number of the DTSL used for Standby Synchronization. Prompted if SYNM = 2 or 5.	basic-16
SSRC	0-(1800)-4000	Signaling Server Resource Capacity ***Note:*** If the entered SSRC value exceeds the SSRC value received from the Signaling Server, then a warning is provided to the administrator indicating that the Virtual Trunks registration may fail due to capacity mismatch.	sip-4.0
SSUP	(NO) YES	Senior Supervisor Device assigned used by senior supervisor/load manager. Cannot be YES if prompt APRT is YES.	acdc-1

Prompt	Response	Comment	Pack/Rel
STOP	(1)-2	Number of stop bits Large Systems. Prompted for asynchronous ESDI ports.	cls-19
	(1)-1.5-2	Small Systems. To enter 1.5, use 1X5. STOP is not prompted for CARD 0 PORT 0 or when TTY_TYPE = PTY.	
SUPPORTED_TEXT_ONLY		Change customized text string by text string input. Prompted if the Electronic Brandlining ISM parameter is set to Terminal Text Broadcast (EBLN ISM value of 2).	basic-23
	(YES)	Input by text string and IDLE_DISP_STRING is prompted.	
	NO	Input character by character and IDLE_DISP_CHAR nn is prompted.	
SUPPRESS			alarm-19
	0-(5)-127	Alarm occurrence threshold (prior to suppressing) This determines the number of times an alarm may occur before it is no longer output. Entering 0 indicates that all alarm occurrences are output (no suppression)	
SYNC	(NO) YES	Asynchronous mode of operation for ESDI port Synchronous mode of operation for ESDI port	csl-7
SYNM		Synchronization Mode	ida-16
	(0)	No synchronization	
	1	Main input from Digital Trunk Signaling Link or DTSL	
	2	Main input and standby input from DTSL	
	3	Main input from external clock	
	4	Main input from DTSL; standby input from external clock	
	5	Main input from external clock; standby input from DTSL SYNM is prompted with Integrated Digital Access (IDA) package 122.	
T1	2-(4)-20	Retransmission Timer Range in units of 0.5 seconds, (4) = two seconds	cls-7

Prompt	Response	Comment	Pack/Rel
T2	0-(10)-255	Maximum Time allowed without a frame being exchanged.	cls-7
T200	2-(3)-40	Retransmission Timer Entry is in units of 0.5 seconds.	pri-12
T203	2-(10)-40	Maximum Time allowed without frames being exchanged	pri-15
T23	1-(20)-31	Interface guard Timer or DCHI only This timer checks how long the interface takes to respond. Entry is in units of 0.5 seconds.	pri-12
T3	2-(5)-255	Timer for initial link setup in units of 0.5 seconds for ESDI only.	cls-7
T310	110-(120)	Timer used to determine how long SL-1 can wait for the response message when the QSIG outgoing call is in the U3 (outgoing call processing) state. This range applies to PRI, PRI2, and BRI trunks	qsig-20
TDS	0, 2, 4…158	Tone and Digit Switch (TDS or Fast TDS service loop) Use even-numbered loops for Tone and Digit Switch (TDS). Precede with X to remove.	basic-1
	1-9 11-19 21-29 31-39 41-49	Small System ***Note:*** For Small System, all XTD/DTR units must be removed from the SSC card (card 0) before TDS 0 can be removed.	lse-24
	0-255	Tone and Digit Switch loop, Systems with Fibre Network Fabric	fnf-25
TEN	xxx ALL <CR>	Tenant to be accessible by way of PWnn All Tenants allowed No change to previous definitions. Precede with X to remove.	lapw-16

Prompt	Response	Comment	Pack/Rel
TERD		Double Density Terminal equipment loop or loops	phtn-20
	0, 1, 2, ...159	Meridian 1 loop or loops	
	G0,G1...G159	GEC loop or loops	
	N0,N1,...N159	Precede loop number with N to create a phantom loop for third party applications	
	T0, T1...T159	TVT loop or loops - Swedish Televerket	
	X0,X1,...X159	Precede loop number with X to remove. If entry is for an odd numbered loop, the preceding even numbered loop cannot be TDS, CONF or MFSD.	
	0-255	Systems with Fibre Network Fabric	fnf-25
TERM		Single Density Terminal equipment loop or loops	phtn-20
	0, 1, 2, ...159	Meridian 1 loop or loops	
	G0,G1...G159	GEC loop or loops	
	N0,N1,...N159	Precede loop number with N to create a phantom loop for third party applications	
	T0, T1...T159	TVT loop or loops - Swedish Televerket	
	X0,X1,...X159	Precede loop number with X to remove. If entry is for an odd-numbered loop, the preceding even numbered loop cannot be TDS, CONF or MFSD	
	0-255	Systems with Fibre Network Fabric	fnf-25
TERQ		Quadruple Density Terminal equipment loop or loops	phtn-20
	0, 1, 2, ...159	Meridian 1 loop or loops	
	G0,G1...G159	GEC loop or loops	
	N0,N1,...N159	Precede loop number with N to create a phantom loop for third party applications	
	T0, T1...T159	TVT loop or loops - Swedish Televerket	
	X0,X1,...X159	Precede loop number with X to remove.	
TIMR	(NO) YES	Change protocol timer value	basic-1
TMDI	(YES)	TMDI Card (Mode set to PRI OR TRK) Small System	basic-24
	NO	Other Card	
TITE		T1 transmit Equalization	basic-24
	(0)	0 - 200 feet	
	2	200 - 400 feet	

Prompt	Response	Comment	Pack/Rel
TMRK	96, (128)	Length of cadence increments in ms Refer to the Flexible Tone and Digit Switch cards in the *Features and Services* (553-3001-306). See CLN prompt in LD 56.	basic-13
TN	l s c u c u	Valid Terminal Number that when accessed returns a test tone Valid Terminal Number, Small System Prompted when DTDT = EXT.	basic-1
TODR	0-23	Time Of Daily Routines	basic-1
TOLR	(0)-63	Transmit Objective Loudness Rating The default is 0, indicating no change to the default +45 dB. The number entered in this field corresponds to an offset value. The offsets and their corresponding values are provided on page 503. The TOLR value is downloaded to Meridian Modular telephones after sysload except when performing parallel reload. Refer to *Transmision Parameters* (553-3001-182) before changing these values.Not prompted when UK package is equipped	arie-14
TPO	(NO) YES	Do not enable Traffic Period option Enable Traffic Period option	basic-21
TRIGGER	a...a	Trigger string for alarm tables The trigger string can be up to 10 alphanumeric characters. At least one character must be alphabetic (a-z). Plus sign (+) can be used to indicate the “wild card” entry. For example, BUG++++ includes all BUG system messages. The mnemonics supported for this prompt are lists at the beginning of this overlay. A value must be entered; <CR> is not accepted	alarm-19
TRLL	1-31 1-31	Test RPE Local Loop back Perform complete 2.0 Mb/s RPE loop testing, including local loop back, in the RPE groups as part of daily routine. Not supported for Small System. Precede with X to delete.	rpe2-15
TRNS		Selects which messages are going to be translated	mlms-20

Prompt	Response	Comment	Pack/Rel
	(NONE)	Help and Option 81C specific system messages are printed in English version	
	HELP	Help is printed in translated version and Option 81C specific system messages in English	
	BOTH	Help and Option 81C specific system messages are printed in translated version	
TRSH	0-15	Threshold Digital Trunk Interface Threshold set defined in LD 73.	pri-19
TSO	(NO)	Do not enable Trunk Seizure option	basic-21
	YES	Enable Trunk Seizure option	
TTY	0-15	Pre-defined MSDL-SDI terminal number Prompted if ADAN = STA	sta-19
TTY_TYPE		TTY logical type for Small System. TTY_TYPE is only prompted when adding or changing TTY devices. For a PRT device, TTY_TYPE is fixed as SDI.	basic-22
	(SDI)	Standard TTY type (default)	
	LSL	Low speed Link type	
	PTY	Pseudo TTY type	
TTYLOG	0-65534	Log buffer size When 0 is entered, there is no log file	muli-19
TUBO	(NO)	Regular message processing speed on AML	basic-25
	YES	Double message processing speed on AML	
TYPE		Type of data block	
	ADAN	All input/output devices (includes D-channels)	basic-19
	ALARM	Alarm filter configuration data When TYPE = ALARM, the system automatically prints out the current alarm and exception filters Must have Alarm Filtering (ALRM_FILTER) package 243.	alarm-19
	ATRN	Aries Transmission	basic-19
	CEQU	Common Equipment parameters	basic-19
	CFN	Configuration data block	basic-1
	OVLY	Overlay area options	basic-19
	PARM	System Parameters	basic-19
	PWD	System Password and Limited Access to Overlay Password	basic-19

Prompt	Response	Comment	Pack/Rel
		When entering yes, the PWD2 is prompted unless LAPW is used and Multi-User Log In is enabled.	
	VAS	Value Added Server	basic-19
USER		Output message types	basic-20
		When ADAN = HST, users may be BUG, MCT, MTC, SCH and TRF. Prompted when ADAN is PRT, TTY or, HST.	
		For Small System: 1. LSL is not a valid response for the USER prompt 2. USER is not prompted if TTY_TYPE = LSL.	
		When TTY_TYPE = PTY, the response to USER must be one of the following: MTC, BUG, SCH, FIL, TRF, MCT	
	ACD	Automatic Call Distribution printer for reports	
	ADM	Administrator SBA access level to be stored in the history file. Precede with X to remove.	adminset-21
	APL	Auxiliary Processor Link for IVMS	
	BGD	Background Terminal Mutually exclusive with ACD, APL, CDL, CMC, CMS, HSL, and LSL.	
	BUG	Software error	
	CDL	CDR Data Link	
	CMC	Communications Management Center	
	CMS	Command and Status Link Port must be defined as a synchronous ESDI	
	CSC	Customer Service Changes: Automatic Set Relocation and Attendant Administration	
	CTY	CDR TTY port to output CDR records	

Prompt	Response	Comment	Pack/Rel
	FIL	This is a special response which applies to Alarm Filtering message output. When a port is assigned this User type, only Alarm Filtered messages will be output. The messages listed at the TRIGGER prompt are the messages that appear for this user type. When AF_STATUS = OFF, no system messages are output to the port with FIL type. The output appears as shown below. The field definitions follow. <severity> <report id> <time> <date> <sequence number> <event> <tab> Operator data: <data> <tab> Expert data: <data> Where: severity: • **** = Critical • *** = Major • ** = Minor • blank = None report id: The system message character string (BUG1234, ERR5683, etc.) time: hh:mm:ss date: dd/mm/yy sequence number: The sequence the message appears. The range is 0-65535, and the numbers are right justified. Meridian 1 and auxiliary processor messages have separate sequence numbers. event: This indicates the type of event that is being output: MSG (message), SET (set alarm), CLR (clear alarm).	alarm-19

Prompt	Response	Comment	Pack/Rel
		tab: 6 character indent Operator data: This contains additional information to help clear the fault. This field contains the additional message information (TN, loop number, etc.) that the message contains. Up to 30 characters will appear. Expert data: This field may not always appear. It contains system expert information.	
	HSL	ACD/D High-Speed AUX link	
	ICP	Intercept Computer Link	
	INS	Installer SBA access level to be stored in the history file. Precede with X to remove.	adminset-21
	LSL	ACD/D Low-Speed AUX link Small System uses LSL for Meridian Mail administration/maintenance access	
	MCT	Malicious Call Trace TTY port along with other users	mct-20
	MTC	Maintenance includes AUD, BUG and ERR if enabled by prompt ERRM in PARM. Use MTC for the system monitor or XSM.	
	NOO	No Overlay allowed	
	PMS	Property Management System interface	
	SCH	Service Change or any data base change	
	TRF	Traffic	
	USR	User SBA access level to be stored in the history file. Precede with X to remove.	adminset-21
USER_NAME			basic-4.50
	a...a	Name assigned to user, up to 11 characters	

Prompt	Response	Comment	Pack/Rel
USR		User. Precede any of the following with X to remove.	pri-12
	ISLD	Integrated Services Signaling Link Dedicated. D-channel for ISL only, in dedicated mode, without using the PRI channel.	
	PRI	Primary Rate Interface. D-channel for ISDN PRA only.	
	SHA	Shared mode. D-channel used for both ISDN PRA and ISL. D-channel must be using a PRI channel.	
	SHAV	Shared Virtual Network Services. D-channel shared between PRA, VNS and ISLD.	
	VNS	Virtual Network Services. D-channel used for Virtual Network Services or for ISLD.	
VAS	NEW CHG OUT <CR>	New Value Added Server Change Value Added Server Remove Value Added Server End VAS prompting sequence	cls-7
VCNA	(NO) YES	Virtual Network Services Network Call Party Name Display available over this D-channel	vns-16
VCRD	(NO) YES	Virtual Network Services Network Call Redirection available over this D-channel	vns-16
VNSC	(0)-xx	Virtual Network Services Customer number associated with the D-channel. Customer number is defined in LD 15. Customer 0 is the default for the D-channel. Ensure customer 0 is not actually a user of the D-channel before changing.	vns-16
VNSM	1-300	Virtual Network Services Maximum controlled by the D-channel	vns-16
VNSP	0-32700	Virtual Network Services Private Network Identifier (PNI) for the far-end customer	vns-16
VOLR	(NO) YES	Handset Volume Reset To have handset volume reset whenever the user hangs up or uses handsfree, set VOLR = YES.	agcr-20

Prompt	Response	Comment	Pack/Rel
VSID	0-15	VAS Identifier Identifier for the VAS providing the services, this includes IS, Data Services, Voice Messaging, Alpha terminals. The value entered here is associated with the value which may be entered at the ELAN prompt. By responding to VSID, you are preparing to associate a link with a Value Added Server ID to allow message transmission.	cls-7
VSIG	(NO) YES	Virtual Network Services Network Signalling denied/allowed. VSIG=YES equal Signalling arrangement =ESN5 VSIG=NO equal Signalling arrangement =STD	basic-23
VTRO	(NO) YES	Trunk Route Optimization before answer available over this D-channel for VNS. VTRO will be prompted if: 1. Advanced Network Services (NTWK) package 148 *is* equipped 2. Trunk Anti-Tromboning (TAT) package 293 *is not* equipped 3. VCRD = YES	vns-21

Prompt	Response	Comment	Pack/Rel
XCT	0, 2, 4,...158	Extended Conference/TDS/MFS Loop number for NT8D17 Conference/TDS/MFS card. Enter an even network loop number for TDS/MFS functions. The Conference function is automatically assigned the next higher or odd loop number. System prints: TDS n MFS n CNF n+1 This indicates that TDS and MFS functions are configured on the even loop “n” and conference function is configured on the next higher odd loop. Precede with X to remove. Both loops must be disabled first. Since TN 0 0 0 0 cannot be used in non-multigroup systems, it is recommended that Conference/TDS/MFS card be placed in loop 0. You may configure more than 16 conference loops; however, enabling more than 16 conference loops may cause the system to lock-up.	xct-15
	D0-D158	Dealer conference loop	ohol-20
	S0-S158	Spare dealer conference loop Should be in the same group as the units planned to use this loop.	ohol-20
	0-254	XCT loop number for NT8D17 Conference/TDS Card, Systems with Fibre Network Fabric	fnf-25
XNUM	(1)-4	Number of retransmissions per message for PMSI. If XTMR = 0, this prompt does not appear.	pms-19
XSM	(NO) YES	Extended System Monitor This is the SDI port for the Extended System Monitor. Prompt USER must be set to MTC (maintenance messages) for the system monitor port. Only one port can be XSM = YES.	xpe-15
XTMR	(0)- 6	PMS acknowledgment time (the time measured in seconds to wait for the acknowledgment message from the PMS) Where: 0 = no retransmission.	pms-19

Prompt	Response	Comment	Pack/Rel
YALM	(FDL) DG2	Yellow Alarm Method Prompted only if the frame format is ESF. If YALM is not prompted, DG2 was set automatically. If YALM is prompted the response varies between countries. The default is FDL when the frame format is ESF. When the frame format is D2, D3, or D4, the default is DG2.	pri-19

LD 18: Speed/Group Call, Pretranslation, Special Service, 16-Button DTMF and Hotline

This overlay allows data for Speed Call, System Speed Call, Group Call, Pretranslation, Special Service, and Enhanced Hotline and 16-Button DTMF to be created or modified. The data may be printed using Overlay 20.

The overlay allows the ability to add and copy multiple Speed Call lists and System Speed Call lists. The number of lists allowed by each system is subject to the system type and memory available. Refer to *Features and Services* (553-3001-306) for details concerning speed call requirements.

The Pretranslation List configuration takes place in this program. To enable the Pretranslation feature in LD 15, the list must be configured here using the XLAT prompt.

Prompts and responses

Contents

Compute Speed Call list memory size and disk records

Use this prompt sequence to determine if there are enough memory and disk records for new Speed Call and Hot Line lists. Compare the output with the "MEM AVAIL" and "DISK RECS AVAIL" values output before the REQ prompt. See also "System memory and disk space" at the beginning of this document.

Prompt	Response	Comment
REQ:	COMP	Request = COMP (Compute disk and memory required for new lists)
TYPE:	aaa	Type of data block, where: aaa = SCL, SSC or HTL (Speed Call, System Speed Call or Hot Line estimation)
NOLS	1-8191	Number of lists to be added
DNSZ	4-(16)-31	Maximum length of digits allowed for new lists
SIZE	1-1000	Maximum number of DNs allowed in new lists

Configure Group Call lists

Prompt	Response	Comment
REQ:	aaa	Request (REQ responses begin on page 590)
TYPE:	GRP	Type of data block = GRP (Group Call list)
CUST	xx	Customer number associated with this data block
GRNO	0-63	Group number for group call
GRPC	(YES) NO	Allow or deny group call control to the originator
STOR	xxx yyy...y	Entry number (0-19) and the digits stored with it
		Entry number (0- 5) and digits stored with it for Small System

Configure Speed Call lists

Prompt	Response	Comment
REQ:	aaa	Request (REQ responses begin on page 590)
TYPE:	aaa	Type of data block, where aaa = SCL or SSC (Speed Call list or System Speed Call list)
LSNO	0-8190	List Number for Speed Call (SCL)
	0-4095	List Number for System Speed Call (SSC)
TOLS	0-8190	To List (New speed call list number)
NCOS	(0)-99	Network Class of Service for SSC
DNSZ	4-(16)-31	Maximum number of DNs allowed for Speed Call lists
SIZE	1-1000	Maximum number of DNs in Speed Call list
WRT	(YES) NO	Data is correct and can be updated in the data store
STOR	xxx yyy...y	Entry number (0-999) and the digits stored with it
WRT	(YES) NO	Data is correct and can be updated in the data store

Assign a Pretranslation group to Speed Call list

Prompt	Response	Comment
REQ:	aaa	Request (REQ responses begin on page 590)
TYPE:	PRE	Type of data block = Pretranslation calling group assignment
CUST	xx	Customer number
XLAT	0-254 0-8191	Pretranslation list (Calling group to Speed Call list correlation)
	0-254 8191	If list number 8191 is assigned to a group then pretranslation is removed for that group
- PRE	0-8190	Pretranslation Speed Call List number
- PST	0-8190	Post-translation Speed Call List number
- SDA	0-8190	Single-Digit Access Speed Call List number

Configure Enhanced Hot Line lists

Prompt	Response	Comment
REQ:	aaa	Request (REQ responses begin on page 590)
TYPE:	HTL	Type of data block = Hot Line list
CUST	xx	Customer number
LSNO	0-8190	List Number for Hotline (one for customer)
NCOS	0-4095	Network Class of Service for HTL
DNSZ	4-(16)-31	Maximum number of DNs allowed for Hot Line list
SIZE	1-1000	Maximum number of DNs in Hot Line list
WRT	(YES) NO	Data is correct and can be updated in the data store
STOR	xxx yyy...y	Entry number (0-999) and the digits stored with it
WRT	(YES) NO	Data is correct and can be updated in the data store

Configure Special Service List

Prompt	Response	Comment
REQ:	aaa	Request (REQ responses begin on page 590)
TYPE:	SSL	Type of data block = Special Service list
SSL	1-15	Special Service List number
SSDG	xxxx	Special Service Digit or Digits
- CDPC	(NO) YES	Called Party Control is enabled
- TOLL	(NO) YES	Toll number
- ALRM	(NO) YES	Alarm is enabled
- TNDM	(NO) YES	Tandem
- SSUC	(NO) YES	Special Service Unanswered Call Mark
- NDGT	(0) - 15	Number of digits collected before the seizure of the outgoing CIS MFS trunk
- SSDG	<CR>	Special Service Digit or Digits

Move from one group or list to another

Prompt	Response	Comment
REQ:	MOV	Request = MOV
TYPE:	aaa	Group or List Type (aaa = GHT, GRP, SCL, SSC, or SSL)
CUST	xx	Customer number
LSNO	xxxx	List Number
TOLS	0-254	To List
GRNO	xx	Group Number
TOGR	0-63	To Group

Configure Group Hunt

Prompt	Response	Comment
REQ:	aaa	Request (REQ responses begin on page 590)
TYPE:	GHT	Type of data block = Group Hunt
LSNO	0-254	List Number
CUST	xx	Customer Number
PLDN	xxxx	Pilot DN
PLAT	1-254 0-8191	Post-translation calling group and list number
GRNO	0-63	Group Number for group call
GRPC	(YES) NO	Group Call originator (does) does not have control
DNSZ	4-(16)-31	Directory Number Size
SIZE	1-1000	Size of list
STOR	xxx yyy...y	Entry number (0-999) and the digits stored with it
WRT	(YES) NO	Data is correct and can be updated in the data store

Configure ABCD data block

Prompt	Response	Comment
REQ:	aaa	Request (REQ responses begin on page 590)
TYPE:	ABCD	Type of data block = ABCD (16 Button DTMF)
TBNO	1-254	Table Number
DFLT	1-254	Default function table number
PRED	(NO) YES	Pre-Dial
- A	aaaa	A key assignment
- B	aaaa	B key assignment
- C	aaaa	C key assignment
- D	aaaa	D key assignment
- *	aaaa	asterisk key assignment
- #	aaaa	# key assignment
- RCAL	ADL x...x	Recall button assignment
POST	(NO) YES	Post-dial
- A	aaaa	A key assignment
- B	aaaa	B key assignment
- C	aaaa	C key assignment
- D	aaaa	D key assignment
- *	aaaa	asterisk key assignment
- #	aaaa	# key assignment
CONT	(NO) YES	Control
- A	aaaa	A key assignment
- B	aaaa	B key assignment
- C	aaaa	C key assignment
- D	aaaa	D key assignment
- *	aaaa	asterisk key assignment
- #	aaaa	# key assignment

Flexible feature code information

Table 4
Default 16-button DTMF Flexible Feature Code functions

Button	Pred	Post	Control
A	RGAD	RGAA	CNFD
B	SNR	SNS	TGLD
C	CFWA	NUL	DISD
D	SPCU	NUL	NUL
*	NUL	NUL	NUL
#	NUL	NUL	NUL
RCAL	NUL		

Table 5
Flexible Feature Code mnemonics

Function	Pre-dial mode mnemonic	Post-dial mode mnemonic	Control mode mnemonic
ADL x...x (maximum 31 digits)	ADL x...x	ADL x...x	
Authorization Code	AUTH		
Automatic Set Relocation	ASRC		
Automatic Wake Up Activate	AWUA		
Automatic Wake Up Deactivate	AWUD		
Automatic Wake Up Verify	AWUV		
Busy Number Redial Activate		BNRA	
Busy Number Redial Deactivate	BNRD		
Busy Number Redial Toggle	BNRK	BNRK	
Call Detail Recording Charge Account	CDRC	CDRC	
Call Forward All Calls Activate	CFWA		

(Part 1 of 3)

Function	Pre-dial mode mnemonic	Post-dial mode mnemonic	Control mode mnemonic
Call Forward All Calls Deactivate	CFWD		
Call Forward All Calls Verify	CFWV		
Call Forward Destination Deactivation	CFDD		
Call Forward Hunt Override	CFHO		
Call Park		CPRK	
Call Park Access	CPAC		
Carriage return (use default from Table 7)	<CR>	<CR>	<CR>
Conference Diagnostics	COND		
Conference Digit 1			CNFD
Conference 6 Trunk Disconnect		C6DS	
Customer Call Forward Activate	CCFA		
Customer Call Forward Deactivate	CCFD		
Customer Call Forward Toggle	CCFK		
Deactivate RGA/LND/SNR/CFW	DEAF		
Disconnect Digit 3			DISD
Electronic Lock Activate	ELKA		
Electronic Lock Deactivate	ELKD		
Group Hunt Pilot DN	GRHP		
Incoming Call Indicator Activate	ACAI		
Incoming Call Indicator Deactivate	ICID		
Incoming Call Indicator Override		ICPO	
Incoming Call Indicator Print	ICIP		
Integrated Message System Access	IMSA		
Last Number Redial	RDLN	RDLN	
Maintenance Access	MNTC		
Malicious Call Trace		MTRC	
NUL (leave key without an assigned function)	NUL	NUL	NUL

(Part 2 of 3)

Function	Pre-dial mode mnemonic	Post-dial mode mnemonic	Control mode mnemonic
Override		OVRD	
Paging and Radio paging code	PAG x...x	PAG x...x	
Permanent Hold		HOLD	
Pickup DN	PUDN		
Pickup Group		PUGR	
Pickup Ringing Number		PURN	
Ring Again Activate		RGAA	
Ring Again Deactivate	RGAD		
Ring Again Verify	RGAV		
Room Status	RMST		
Speed Call Controller	SPCC		
Speed Call Erase	SPCE		
Speed Call User	SPCU	SPCU	
Store Number (Erase)	RDNE		
Store Number (Redial)	RDSN	RDSN	
Store Number (Save)	RDST	RDST	
System Speed Call User	SSPU	SSPU	
Terminal Diagnostics	TRMD		
Toggle Digit 2			TGLD
Trunk Answer From Any Station	TFAS		
Trunk Verification	TRVS		
User Status	USTA		
User for set based administrator	USER		

(Part 3 of 3)

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
#	aaaa	# key assignment (see Table 4 and Table 5 starting on page 584)	abcd-14
*	aaaa	asterisk key assignment (see Table 4 and Table 5 starting on page 584)	abcd-14
A	aaaa	A key assignment (see Table 4 and Table 5 starting on page 584)	
ALRM	(NO) YES	Alarm is enabled	basic-1
B	aaaa	B key assignment (see Table 4 and Table 5 starting on page 584)	abcd-14
C	aaaa	C key assignment (see Table 4 and Table 5 starting on page 584)	abcd-14
CDPC	(NO) YES	Called Party Control is enabled	basic-1
CONT	(NO) YES	Control; default mnemonics are used; see Table 5. Modify control mode table; see Table 4.	basic-1
CUST	xx	Customer number associated with this function as defined in LD 15 Prompted when REQ = NEW or CHG and LSNO = <CR>	basic-1
D	aaa	D key assignment (see Table 4 and Table 5 starting on page 584)	abcd-14
DFLT	1-254 <CR>	Default function table number Prompted if a table has been defined for the customer. No table is to be used as the default.	basic-1

Prompt	Response	Comment	Pack/Rel
DNSZ	4-(16)-31	Directory Number Size Maximum length of DN allowed for Speed Call list or Group Hunt list. Range is 4, 8, 12, 16, 20, 24, 28, 31. For Speed Calling the default = 16. Numbers between 1 and 30 are rounded up to the next valid number. Once defined DNSZ should not be changed. Instead, print out the list, remove it with REQ = OUT and rebuild the list with the new DNSZ. Prompted when REQ = NEW and TYPE = GHT.	optf-1
GRNO	0-63	Group Number for group call	grp-20
GRP	0 - 4095 <CR> X	Ringing Number Pickup Group (RNPG) using this speed call list. Repeat for all groups sharing the same list. To reprompt “LSNO” To remove	grp-1
GRPC	(YES) NO	Group Call originator does have control Group Call originator does not have control If GRPC = YES in the Group Call List, the originator has control: when the originator goes on hook, the call is terminated. If GRPC = NO and the originator goes on hook, the Group Call acts like a conference call: the call remains active until all members go on hook.	grp-20
LSNO	 0-4095 0-8190 <CR>	List Number for Speed Call, System Speed Call, Group Hunting and Hotline System Speed Call and Hot Line lists A Speed Call list associated with Call Pickup network wide groups. to end Use only when REQ = CHG and TYPE = GHT. List numbers exceeding four digits will have the left most digits truncated, and only the right most digits will be accepted. A Hot Line list uses a System Speed Call list entry, only one Hot Line list is allowed per customer. MSCL must be defined in LD 17.	optf-1
NCOS	(0)-99	Network Class of Service Prompted when TYPE = SSC or HTL.	basic-17

Prompt	Response	Comment	Pack/Rel
NDGT	(0) - 15	Number of digits which should be collected before the seizure of the outgoing CIS MFS trunk. Number of digits to be accepted from the incoming MFS trunk. If the outgoing call is recognized as MFS call then the trunk should not be seized until the number of the user dialed digits equals to the NDGT or EOD timer expires or the OCTO ('#') is dialed. If the incoming MFS call is recognized then the trunk should be requested to issue the BX MFS signal to the CIS CO party until the number of the accepted from the trunk digits equals to NDGT.	cismfs- 23
NOLS	1-8191	Number of lists to be added. Prompted if REQ = COMP	
PLAT	1-254 0-8191	Post-translation calling group and list number List number 8191 is used to remove the group from being post-translated.	pldn-15
PLDN	xxxx	Pilot DN. Prompted when LSNO = <CR>.	pldn-15
POST	(NO) YES	Do not modify Post-dial table Default mnemonics are used; see Table 7. Modify Post-dial table	abcd-14
PRE	0-8190	Pre-translation Speed Call List number Precede with X to remove.	pxlt-15
PRED	(NO) YES	Do not modify Pre-dial pre-dial function table Default mnemonics are used; see Table 4. Modify the pre-dial function table, see Table 5.	abcd-14
PST	0-8190	Post-translation Speed Call List number Precede with X to remove.	pxlt-15
RCAL	ADL x...x NUL	Recall button assignment Autodial, where x...x is the autodial number to a maximum of 31 digits. To leave the RCAL button without an assigned autodial number	abcd-14

Prompt	Response	Comment	Pack/Rel
REQ		Request	basic-19
	CHG	Change existing data block	
	COMP	Compute memory and disk requirements for new Speed Call, System Speed Call or Hot Line lists	
	CPY xxx	Copy speed call data. Where: xxx = 1-100. The ability to copy multiple Speed Call and System Speed Call lists is supported.	
	END	Exit overlay program	
	MOV	Move data block from one group or list to another.	
		MOV command can be used to renumber one group call or speed call list to another.	basic-25.4
	NEW xxx	Add new data block. Where: xxx = 1-100. The ability to create multiple speed Call and System Speed Call lists is supported.	
	OUT	Remove data block.	
SDA	0-8190	Single-digit Access Speed Call List number Precede with X to remove.	pxlt-15
SIZE	1-1000 1-96	Maximum number of DNs in Speed Call or Hot Line lists Maximum number of DNs in Group Hunt list Once defined, SIZE should not be changed. Instead, print out the list in LD 20, remove it with REQ = OUT and rebuild the list with the new SIZE. SIZE is not prompted for TYPE = GRP or PRE.	optf-1
SSDG	xxxx <CR> X	Special Service Digitone Digit or Digits (1-4 digits) To proceed past SSDG prompt. Precede SSDG entry with X to remove it.	opcb-14
		The SSDG prompt, followed by the CDPC, TOLL and ALRM prompts, reappears after each ALRM prompt until the list contains 100 entries or a <CR> is entered for SSDG. Precede with X to remove.	
SSL	1-15 X	Special Service List number Precede with X to remove.	supp-14

Prompt	Response	Comment	Pack/Rel
SSUC	(NO) YES	Special Service Unanswered Call mark If the outgoing call is recognized as SSUC (that is, if the first 1 - 4 digits outpulsed to the trunk = SSDG with SSUC = YES), then such a call requires some specific disconnect treatment.	cist-21
STOR	xxx yyy ... y	Store For TYPE = SCL, SSC, or HTL the input format is entry number and digits stored against it. Where: • xxx = list entry number from 000 to 999 • yyy ... y = digits stored with each list entry number xxx	optf-1
	xx yyyy	For TYPE = GRP the input format is member number and member DN. Where: • xx = member number (00-19 for 51C, 61C, and 81C or 0-5 for Small System) • yyyy = member DN If the Directory Number Expansion (DNXP) package is equipped, up to seven digits are allowed; otherwise, only four digits can be entered.	
	xx yy	For TYPE = GHT the input format is Group Hunt entry and digits stored against it. Where: • xx = GHT entry number from 00 to 95 • yyyy = digits stored	
	<CR>	Stop STOR prompt For Speed Call, System Speed Call or Hot Line the member number must conform with SIZE and the number of digits must conform to prompt DNSZ. Digits may include “*” and “#” if the Outpulsing, asterisk and octothorpe (OPAO) package 104 is equipped.	
	xxx <space> <CR>	Remove entry	

Prompt	Response	Comment	Pack/Rel
TBNO	1-254	Table Number The number of the ABCD table to be added, changed or removed	abcd-14
TNDM	(NO) YES	Send MFC H tandem signal Prompted when the International Supplementary Features (SUPP) package 131 and Multifrequency Compelled Signaling (MFC) package 128 are equipped.	supp-14
TOGR	0-63	To Group New group call group number.	grp-1
TOLL	(NO) YES	Toll number The SSDG entry is a toll number	opcb-14
TOLS	0-8190	To List New speed call list number.	optf-1
TYPE		Type of data block	basic-1
	ABCD	16-Button DTMF data block	
	CPNW	Call Pickup Network Wide data	
	GHT	Group Hunt data block	
	GRP	Group call data block	
	HTL	Hot Line data block	
	PRE	Pretranslation data block	
	SCL	Speed Call List or pretranslation data block	
	SSC	System Speed Call data block	
WRT	(YES) NO	Write Data is correct and can be updated in data store. The Prompt WRT follows prompts SIZE and STOR asking you to confirm the correctness of the data just entered. If data is correct, enter “YES” or <CR>. A response of “NO” causes the data just entered to be ignored and SCH3213 is output. A response of “****” aborts the program. Only the last STOR value is lost. All previous values to which WRT was “YES” or <CR> are saved. The following information is output with the WRT prompt: ADDS: MEM: xxxxx DISK: yy.y	optf-1

Prompt	Response	Comment	Pack/Rel
		Where: • xxxxx = the amount of protected memory • yy.y = the number of disks records required for the new Speed Call list Check the “MEM AVAIL” and “DISK RECS AVAIL” output values before the REQ prompt. See also “System memory and disk space” at the beginning of this document.	
XLAT	xxx yyyy	Calling group number to translation Speed Call list number correlation. ***Format if International Supplementary Features (SUPP) package 131 is not equipped***, where: • xxx = Pretranslation group number, 0-254 • xxx = Group 0 is used for trunks. • xxx = Group 1 is used for attendant consoles. • xxx = Groups 2-254 can be used for other calling groups. • yyyy = List number to be used for Pretranslation, 0-8191. 8191 is used to remove the group from pretranslation.	pxlt-8
	xxx	Pretranslation group number. ***Format if International Supplementary Features (SUPP) package 131 is equipped, where:*** • xxx = Group 0 is used for trunks. • xxx = Group 1 is used for attendant consoles. • xxx = Group 2-254 can be used for other calling groups.	
	<CR>	End the prompt group.	

LD 19: Code Restriction

Overlay program 19 allows data for code restrictions to be created or modified.

Code Restriction is used to control the digits that can be dialed on a COT or FEX trunk route by a Toll Denied (TLD), Conditionally Toll Denied (CTD) or Conditionally Unrestricted (CUN) Class of Service telephone. See also New Flexible Code Restriction in LD 49.

Route 31 is not an exclusively private route. It can be configured as a private route in LD 16.

For small systems, Overlay program 19 is replaced by Overlay 49.

Prompts and responses

Contents

ANI: Automatic Number Identification data block

Prompt	Response	Comment
REQ:	aaa	Request
TYPE:	ANI	Type of data block = ANI (Automatic Number Identification)
ANII	0-31	ANI Data Block Index
ANIT	xxx	Invalid ANI treatment
NPA	200- 999	First 3 ANI digits in NPA format
3ANI	xxx	3 Digit ANI (denied) allowed
SLV3	NXX	Number of digits for screening
NXX	xxx yyy	Range of end-office numbers
SLV6	xxx	Number of digits for screening
- SUB	xxxx yyyy	Range of subscriber numbers

CRB: Code Restriction data block

Prompt	Response	Comment
REQ:	aaa	Request
TYPE:	CRB	Type of data block = CRB (Code Restriction)
NCOS	0-99	NCOS value for subscribers
CUST	xx	Customer number associated with this data block
ROUT	0-511	Route number
TORT	0-511	To Route
CLR	aaaa	Codes (aaaa = DENY or ALOW)
ALOW	200-999 ... 200-999	NXX, NPA codes allowed
DENY	200-999 ... 200-999	NXX, NPA codes denied

FGDB: Feature Group D data block

Prompt	Response	Comment
REQ:	aaa	Request
TYPE:	FGDB	Type of data block = Feature Group D
FGNO	0-127	Feature Group D block number
CIC	0000-9999	Carrier ID
CCLS	a...a	Carrier Class (a...a = IC, INC, or CONS)
PRES	(YES) NO	Presubscription
OVLP	(YES) NO	Overlapped outpulsing by Local Exchange Carrier (LEC)
CCAN	aaa bbb	Call Categories on calls to Carrier, and ANI screening (aaa = NAM, NA0, INT, IN0, OPR, SAM, SAX, SA0, CUT, or (ALL); bbb = (YES) or NO)
SAC	xxx xxx xxx	Service Access Codes
ANII	0-31	ANI Data Block Index
CDAN	(NO) YES	ANI Digits in CDR Records
SHAN	(NO) YES	Show ANI Digits on Terminal Displays
PRTD	(NO) ALL	Printout Control for Invalid II or ANI Digits
LDAC	aaa	Long Distance Access Code (aaa = AC1 or AC2)

LAAC	aaa	Local Area Access Code (aaa = AC1 or AC2)
OPER	DN nnn ... nnn RAN nnn	
		Treatment for 0+, 0- calls
INTR	(NO) YES	Intercept Treatment
ADFT	(OVF) RAN nnn DN nnn ... nnn	
		Intercept Treatment for Invalid Address Format
IIT	(OVF) RAN nnn DN nnn ... nnn	
		Intercept Treatment for Invalid IIs
IITP	xx yyyy zz	Valid II, II Type, and NCOS for ANI screening bypass
CPAR	(NO) YES	Call Processing parameters
INIT	(NO) YES	Length of Initial String of dialed digits on outgoing calls
ENBL	1-(12)-30	Long Enbloc dialing timeout
ENBS	1-(5)-30	Short Enbloc dialing timeout
IFTO	2-(120)-254	Inter-field FGD timeout in increments of 2 seconds
DGTO	128-(640)-5000	Interdigits timeout
MONT	0-(256)-2048	Minimum On-Hook Time

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
3ANI	(DENY)	3 Digit ANI denied Apply invalid ANI treatment	fdg-17
	NCOS xx	3 Digit ANI allowed Use this NCOS value (0-99)	
ADFT	(OVF) RAN nnn DN nnn . . . nnn	Intercept Treatment for Invalid Address format	fgd-17
ALOW	200-999 ... 200-999	NXX, NPA codes Allowed	basic-1
	<CR>	Proceed to next prompt Prompted when CLR = DENY or <CR>.	
ANII	0-31	ANI Data Block Index When ANII = 0, there is no ANI screening; 1-31 is the ANI block index number.	fgd-17
ANIT		Invalid ANI treatment	fgd-17
	(OVF)	Overflow tone	
	RAN xxx	RAN route (0-511)	
	DN xxxx	Internal or external DN (1-16 digits)	
	NCOS xx	Network Class of Service value (0-99)	
CCAN	aaa (YES)	Call Categories on calls to Carrier, and ANI screening provided.	fgd-17
	aaa NO	Call Categories on calls to Carrier, and ANI screening not provided. aaa can be any of the following:	
	NAM	1 + (inside World Zone 1)	
	NA0	0 + (inside World Zone 1)* (see note below)	
	INT	1 + (outside World Zone 1)	
	IN0	0 + (outside World Zone 1)* (see note below)	
	OPR	0 - calls	
	SAM	1 + (Embodied SAC)	
	SAX	1 + (External SAC)	
	SA0	0 + (External SAC)* (see note below)	
	CUT	Cut-Through	
	(ALL)	All call types (Default when REQ = NEW)	

Prompt	Response	Comment	Pack/Rel
		Note: aaa entries marked with the symbol * use zero; not the letter O. If the letter is entered in place of the number zero, no error appears. However, NAM and SAM will be overridden.	
CCLS	IC INC CONS	Inter-Exchange Carrier Class International Carrier Class Consolidated Carrier Class	fgd-17
CDAN	(NO) YES	ANI Digits in CDR Records	fgd-17
CIC	0000-9999	Carrier ID. Response must be three or four digits.	fgd-17
CLR	DENY	Denied codes. If CLR = DENY all NPA/NXX codes are denied except those entered in response to prompt ALOW (only ALOW is prompted).	basic-1
	ALOW	Allowed codes. If CLR = ALOW all NPA/NXX codes are allowed except those entered in response to prompt DENY (only DENY is prompted).	
	<CR>	Proceed to next prompt when REQ = CHG When changing a CRB, if CLR = <CR> then both ALOW and DENY are prompted. For a new CRB, CLR must = ALOW or DENY.	
CPAR	(NO) YES	Call Processing Parameters	fgd-17
CUST	xx	Customer number associated with this data block as defined in LD 15	basic-1
DENY	200-999 ... 200-999	NXX, NPA codes Denied	basic-1
	<CR>	Proceed to next prompt Prompted when CLR = ALOW or <CR>.	

Prompt	Response	Comment	Pack/Rel
DGTO	128-(640)-5000	Interdigits timeout The maximum time between two digits within the same field, in multiples of 128 milliseconds. 5000 rounds down to 4992.	fgd-17
ENBL	1-(12)-30	Long Enbloc dialing timeout Before initial string is complete on outgoing calls.	fgd-17
ENBS	1-(5)-30	Short Enbloc dialing timeout After initial string is complete on outgoing calls.	fgd-17
FGNO	0-127	Feature Group D block number The system automatically assigns FGNO numbers in sequential order when REQ = NEW.	fgd-17
IFTO	2-(120)-254	Inter-field FGD Timeout in increments of 2 seconds The maximum time between two fields on incoming calls (in seconds).	fgd-17
IIT	(OVF) RAN nnn DN nnn . . . nnn	Intercept Treatment for Invalid IIs. Where: • OVF = Overflow tone • RAN nnn = RAN route • DN nnn . . . nnn = Network or local DN	fgd-17

Prompt	Response	Comment	Pack/Rel
IITP	xx yyyy zz	Valid II, II Type, and NCOS for ANI screening bypass. Where: xx = II in range 00-99 yyyy = one of the following II types: • REGU = Regular • 4A8P = 4 or 8 party • HOTL = Hotel/Motel • CLES = Coinless • TST3 = Test 3 • AIOD = Automatic Identification of Outward Dialing • COIN = Coin • TST7 = Test 7 zz = optional NCOS number defining ANI screening bypass (00-99) When IITP = <CR> and REQ = NEW, the following shows the default arrangement. International codes (12-19) are left undefined. xx yyyy zz 00 REGU no 01 4A8P no 06 HOTL no 07 CLES no 10 TST3 no 20 AIOD no 27 COIN no 95 ST7 no	fgd-17
INIT	(NO) YES	Length of Initial String	fgd-17
INTR	(NO) YES	Intercept Treatment	fgd-17
LAAC	AC1, AC2	Local Area Access Code Prompted with Network Alternate Route Selection (NARS) package 58.	fgd-17

Prompt	Response	Comment	Pack/Rel
LDAC	AC1, AC2	Long Distance Access Code Prompted with Network Alternate Route Selection (NARS) package 58.	fgd-17
MONT	0-(256)-2048	Minimum On-hook Time The minimum amount of time between acknowledgment wink and answer off-hook signal, in multiples of 128 milliseconds.	fgd-17
NCOS	0-99	NCOS value for subscribers Reprompts current level NPA, NXX, or SUB.	fgd-17
NPA	200-999	First 3 ANI digits in NPA format. Only 3 digits are allowed, even when using 1+ dialing.	nanp/ fgd-17
	<CR>	Return to REQ	
NXX	xxx yyy	Range of end office numbers Prompted if SLV3 = NXX. Where: • xxx = starting or only NXX • yyy = ending NXX (optional)	fgd-17
	<CR>	Reprompts NPA	
OPER	DN nnn. . . nnn RAN nnn	Treatment for 0+, 0- calls. Where: • DN nnn . . . nnn = 1-16 digit network or local DN • RAN nnn = RAN route (0-511)	fgd-17
OVLP	(YES) NO	Overlapped outpulsing by Local Exchange Carrier (LEC)	fgd-17
PRES	(YES) NO	Presubscription	fgd-17
PRTD		Printout Control for Invalid II or ANI Digits	fgd-17
	(NO)	No printout	
	ALL	Printout for all invalid ANI and II digits	
	REJ	Printout all invalid II digits. Printout invalid ANI when not mapped to NCOS.	
REQ		Request	basic-1
	CHG	Change the existing data block	
	END	Exit overlay program	

Prompt	Response	Comment	Pack/Rel
	MOV	Move data block to a new route	
		MOV command can be used to move code restriction data blocks to a new route.	basic-25.4
	NEW	Add new data block to the system	
	OUT	Remove the data block	
	PRT	Print FGD or ANI data block	
ROUT	0-511	Route number	basic-1
SAC	xxx xxx xxx . . . xxx	Service Access Codes. Default codes: 700, 800, 900, 601.	fgd-17
SHAN	(NO) YES	Show ANI Digits on Terminal Displays	fgd-17
SLV3		Number of digits for screening	fgd-17
	NXX	6 or 10 digit screening. NXX prompt follows.	
	NCOS xx	NCOS xx = 3 digit screening (0-99), all NPA map to NCOS value, NPA is reprompted.	
SLV6	SUB	10 digit screening level, SUB prompt appears next. Not allowed if an ending NXX level (yyy) was entered at NXX prompt.	fgd-17
	NCOS xx	6 digit screening level, reprompts NXX. All XXXX numbers under the NPA map to NCOS value (0-99)	
SUB	xxxx yyyy	Range of subscriber numbers. Where: • xxxx = starting or only subscriber number • yyyy = ending subscriber number (optional)	fgd-17
TORT		To Route	basic-1
	0-511	New route number TORT is prompted when REQ = MOV.	
TYPE		Type of data block	basic-1
	ANI	ANI screening data block (for Feature Group D)	
	CRB	Code Restriction data Block	
	FDGB	Feature Group D data Block	

LD 20-22: Print Reports Guide

Table 6 documents only those print reports that can be obtained in LDs 20, 21, and 22. In the Alphabetical list of many other Administration Overlays, you can find print options at the REQ and TYPE prompts.

To obtain a list of telephones that have particular features, refer to LD 81. Consult LD 93 to print data for Attendant Console groups. Consult LD 95 to print information for the Call Party Name Display (CPND) data block.

Table 6
Print Reports in LDs 20, 21, and 22 (Part 1 of 5)

Print Report	LD	Page
2.0 Mb/s Digital Trunk Interface (DT2) data	20	page 614
Analog set (500 and PBX) data	20	page 615
Application Module Link (AML) data	21	page 649
Attendant Console (ATT) data from LD 15	21	page 649
Attendant console (2250) data from LD 12 Business Communication Set (BCS) data	20	page 616
Audit trail (AUDT) data	22	page 667
Automatic Call Distribution Priority Agent (PRI2) data	20	page 615
Automatic Number Identification (ANI) data	21	page 649
Automatic Trunk Maintenance (ATM) route data	21	page 650
Automatic Trunk Maintenance (ATM) schedule data	21	page 650
Automatic Wake Up (AWU) data	21	page 650

Table 6
Print Reports in LDs 20, 21, and 22 (Part 2 of 5)

Print Report	LD	Page
Attendant console (2250) data from LD 12 Business Communication Set (BCS) data	20	page 616
Call Detail Recording (CDR) data	21	page 650
Call Redirection (RDR) data	21	page 651
Centralized Attendant Service (CAS) data	21	page 651
Centralized Attendant Service (CASK) Key	21	page 651
Call Pickup Network Wide (CPNW) data	20	page 617
Channel data: Real Analog, Virtual Analog and Virtual Digital	20	page 617
Code Restriction (CRB) data	21	page 651
Common Equipment (CEQU) data	22	page 667
Configuration Record (CFN) data	22	page 667
Controlled Class of Service (CCS) data	21	page 652
Core Inventory (CINV) data for all systems	22	page 667
Customer data block (CDB)	21	page 651
Data access card (DAC) data	20	page 619
Dial Intercom Group (DIG) data	20	page 620
Dial Tone Detector (DTD and XTD) data	20	page 620
Digital Communications Set data	20	page 620
Digital set (2000 series, 3000, and Aries) data	20	page 621
Digitone Receiver (DTR) data	20	page 621
Directory number (DNB) data	20	page 622
Directory number (DNB) range data	20	page 622
Directory number (DNB) selection Group Call (GRP) data	20	page 623

Table 6
Print Reports in LDs 20, 21, and 22 (Part 3 of 5)

Print Report	LD	Page
Flexible Code Restriction (FCR) data	21	page 652
Flexible Feature Codes (FFC) data	21	page 653
Generic version and issue of software	22	page 673
Hospitality Management (HSP) data	21	page 653
Hot Line List (HTL) data	20	page 624
Hunting (HNT, GHT, and EHT) data	20	page 624
Input/output device (ADAN) data	22	page 668
Integrated Message Service (IMA) data Issue and Release (ISS) Meridian Modular Telephone (ATRN) data	22	page 669
Integrated Message Service (IMS) data	21	page 653
Intercept Computer Update (ICP) data	21	page 653
Intercept Treatments (INT) data	21	page 654
ISDN Signaling Link (ISLL) data	21	page 654
Listed Directory Numbers (LDN) data	21	page 654
Multifrequency (MFC, MFE, MFR, MFK5, MFK6, MFVE) data	20	page 625
Networking (NET) data	21	page 655
Out of Service unit (OOSSLT and OOSMLT) data	20	page 626
Overlay area (OVLY) data	22	page 669
Package (PKG) information	22	page 670
Password (PWD) data	22	page 670
Peripheral Software Version (PSWV) data	22	page 670
Power (PWR) data	20	page 626
Pretranslation (PRE) data	20	page 626

Table 6
Print Reports in LDs 20, 21, and 22 (Part 4 of 5)

Print Report	LD	Page
Set Relocation (SRDT) data	21	page 656
Special Service List (SSL) data	20	page 627
Speed call lists (SCL) data	20	page 627
System Limits (SLT) data	22	page 670
System Loop Limits	22	page 671
System Patch (ISSP) data	22	page 671
Tandem Connection (TCON) data	20	page 627
Tape ID (TID) data	22	page 671
Template (TEM) data	20	page 628
Terminal Number Block (TNB) data for telephones and trunks	20	page 629
Terminal Number Block (TNB) range data	20	page 630
Test lines (TST) data	21	page 657
Timers (TIM) data	21	page 657
Tone Detector (TDET) data	20	page 630
Trunk data: All Trunks	20	page 630
Trunk Members (LTM) data	21	page 657
Trunk data: Specific Trunk types	20	page 631
Unused Card (LUC) data	20	page 632
Unused Directory Number (LUDN) data	20	page 632
Unused Units (LUU) data	20	page 632

Table 6
Print Reports in LDs 20, 21, and 22 (Part 5 of 5)

Print Report	LD	Page
Unused Voice or Data unit (LUVU or LUDU) data	20	page 633
Value Added Server (VAS) data	22	page 671
Voice Mailbox (VMB) data	20	page 633

LD 20: Print Routine 1

Overlay program 20 allows data to be printed for the following blocks:

- all hunting
- group calls
- speed calls
- template data blocks
- terminal numbers
- pre-translation

Data Access Card (NT7D16)

By responding R232, R422, or DAC to the TYPE prompt in LD 20, you can print out the configured parameters for each port, or the entire DAC.

If a specific TN is entered, the current settings are uploaded from the unit and printed with the database settings. This is useful if parameters have been altered during keyboard or Hayes dialing modify procedures.

Templates

Templates store telephone information in system memory. Telephones with the same configuration of keys and Class of Service share the same template. This makes efficient use of Protected Data Store. Template Audit (LD 1) is used to remove unused templates.

Multiple Appearance Redirection Prime (MARP)

When printing the TN block, “MARP” is output next to a DN appearance if it is the MARP TN for that DN. When printing the DN block, “MARP” is output prior to the DES if it is the MARP TN. Refer to *Features and Services* (553-3001-306) for an explanation of the MARP feature.

The security password may be required to print telephone and TN information. The password (SPWD) is required if the Station Security Authcode package (229) is equipped and the password is defined.

Linked Overlay programs

Overlay programs 10, 11, 20 and 32 are linked thus eliminating the need to exit one Overlay and enter another. Once one of the above Overlays has been loaded it is possible to add, print and get the status of a set without having to exit one Overlay and load another.

The input processing has also been enhanced. Prompts ending with a colon (:) allow the user to enter either:

1 a question mark (?) followed by a carriage return (<CR>) to get a list of valid responses to that prompt or

2 an abbreviated response. The system then responds with the nearest match. If there is more than one possible match the system responds with SCH0099 and the input followed by a question mark and a list of possible responses. The user can then enter the valid response.

Prompts and responses

Prompt	Response	Comment
REQ:	a...a	Request (REQ responses begin on page 638)
TYPE:	a...a	Type of data block (Type responses begin on page 641)
MODL	xxx	Model number for Small System and CS 1000S (1-3 digits)
TBNO	1-254	Table Number for 16-Button DTMF
TN	l s c u	Terminal Number (l s c u ranges are defined on page 640)
CDEN	aa	Card Density (aa = SD, DD, 4D, or 8D)
CUST	xx xx	Customer number
BUID	x...x	Media Gateway 1000B (MG 1000B) User ID
MOTN	l s c u	Main Office TN
GRP	1-4095	Group number to be printed
MPHI	YES NO	Meridian Packet Handler Interface
SPWD	xxxx	Security Password
TEN	x...x	Tenant (0 or 1-511)
DN	x...x	Directory Number
DATE	dd mmm yyyy	Date
PAGE	(NO) YES	Data printed on a per-page basis
- ADJUST PAPER THEN <CR>		
		Adjust Paper so that printing starts at top of sheet
DES	d...d	Designator
IP_PHONE_MODEL		
	xxxxxx	IP Phone model as defined in LD 11
KEM_RANGE		
CTYP	(XDLC) EDLC	Card type is 16 port DLC Card type is 24 port DLC
NACT	(NO) YES END	Next Activity
AACS	NO YES	Application acquired set
SCNO	0-8190	Speed Call list Number
LSNO	0-8190	Speed Call or System Speed Call List Number
RNGE	xxxx yyyy	Range of list entries to be printed, inclusive from first entry number to last entry number.
HTNO	xxxx	Hunt Number
DGRP	0-2045	Dial Intercom Group
DMEM	0-99	Dial Intercom Group (DIG) Member number
FOR	a...a	For telephone type (a...a = 500, 2xxx, SL1, or 3xxx)
KEY	(NO) YES	Print data for multi-line telephones
CSDN	x..x	Print the Converged Service Directory Number

GRNO	0-63	Group Call Group Number
INFO	aaa	Information for templates (aaa = FRM, USE, USS, or DEF) ***Note:*** The USE and DEF responses are valid with the INFO prompt only when “500”, “BCS” or “SL1” is entered in response to the FOR prompt.
TEM	x...x	Template
EHNO	x...x	External Hunt DN

Alphabetical list of print reports

2.0 Mb/s Digital Trunk Interface (DT2) data

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	DT2	2.0 Mb/s DTI output
TN	l s c u	Terminal Number (loop, shelf, card, unit)
CUST	xx	Customer number
DATE	dd mmm yyyy	Print data from date specified
	ACT	Print data from last activity
PAGE	(NO) YES	Data printed on a per page basis

Analog set (500 and PBX) data

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	500	500/2500 type analog sets
	PBX	Private branch exchange sets
TN	l s c u	Terminal Number (loop, shelf, card, unit)
CDEN	SD, DD, 4D, 8D	Single, Double, Quad or Octal Density
CUST	xx	Customer number
TEN	0-511	Tenant
DATE	dd mmm yyyy	Print data from date specified
	ACT	Print data from last activity
PAGE	(NO) YES	Data printed on a per page basis
DES	d...d	Print all units with DES “d...d’
	d+	Print all units starting with “d”
	<CR>	Disregard DES

Automatic Call Distribution Priority Agent (PRI2) data

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	PRI2	ACD Priority Agents
TN	l s c u	Terminal Number (loop, shelf, card, unit)
CUST	xx	Customer number
DATE	dd mmm yyyy	Print data from date specified
	ACT	Print data from last activity
PAGE	(NO) YES	Data printed on a per page basis

Attendant console (2250) data from LD 12 Business

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	2250	M2250 Console
TN	l s c u	Terminal Number (loop, shelf, card, unit)
CDEN	SD, DD, 4D, 8D	Single, Double, Quad or Octal Density
CUST	xx	Customer number
DATE	dd mmm yyyy	Print data from date specified
	ACT	Print data from last activity
PAGE	(NO) YES	Data printed on a per page basis

Communication Set (BCS) data

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	BCS	Business Communication Sets
TN	l s c u	Terminal Number (loop, shelf, card, unit)
CDEN	SD, DD, 4D, 8D	Single, Double, Quad or Octal Density
CUST	xx	Customer number
TEN	0-511	Tenant
DATE	dd mmm yyyy	Print data from date specified
	ACT	Print data from last activity
PAGE	(NO) YES	Data printed on a per page basis
DES	d...d	Print all units with DES “d...d’
	d+	Print all units starting with “d”
	<CR>	Disregard DES

Call Pickup Network Wide (CPNW) data

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	CPNW	Call Pickup Network Wide data
CUST	xx	Customer number

Channel data: Real Analog, Virtual Analog and Virtual Digital

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	RAC	Real Analog Channels
	VAC	Virtual Analog Channels
	VDC	Virtual Digital Channels
TN	l s c u	Terminal Number (loop, shelf, card, unit)
DATE	dd mmm yyyy	Print data from date specified
	ACT	Print data from last activity
PAGE	(NO) YES	Data printed on a per page basis

Class Modem unit data

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	CMOD	CLASS modem unit
TN	l s c u	Terminal Number (loop, shelf, card, unit)
DATE	dd mmm yyyy	Print data from date specified
	ACT	Print data from last activity
PAGE	(NO) YES	Data printed on a per page basis

Calling Line ID Verification data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	CLIDVER	Calling Line ID Verification
CUST	xx	Customer number as defined in LD 15. (See CUST response on page 635)
SORTBY	(DN) TN	Data printed will be sorted by DN or TN
DN	x...x	Print for Directory Number. If no value is entered, the report will include all Directory Numbers.
TN	l s c u	Terminal Number (loop, shelf, card, unit)
ESA_ONLY	(YES) NO	Print data for ESA call type only or print data for all call types.
SHORT	(YES) NO	Print data in short (80 characters) or long format.

Data access card (DAC) data

By responding R232, R422 or DAC to the TYPE prompt in LD 20, the configured parameters for each port or the entire DAC may be printed.

If a specific TN is entered, the current settings are uploaded from the unit and printed with database settings. This is useful if parameters have been altered during keyboard or Hayes dialing modifying procedures.

Prompt	Response	Comment
REQ:	PRT, LTN, LUU	Print data, TN, or unit for the TN specified
TYPE:	DAC	Print data for whole DAC
	R232	Print data for the RS-232-C ports
	R422	Print data for the RS-422 ports
TN	l s c u	Terminal Number (loop, shelf, card, unit)
CUST	xx	Customer number
TEN	0-511	Tenant
DATE	dd mmm yyyy	Print data from the date specified
	ACT	Print data from the last Activity
PAGE	(NO) YES	Data printed on a per-page basis
DES	d...d	Print all units with DES “d...d’
	d+	Print all units starting with “d”
	<CR>	Disregard DES

Dial Intercom Group (DIG) data

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	DIG	Dial Intercom Group
CUST	xx	Customer number
DGRP	0-2045	Dial Intercom Group
DMEM	0-99	Dial Intercom Group Member number

Dial Tone Detector (DTD and XTD) data

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	DTD	Dial Tone Detector data
	XTD	Extended Dial Tone Detector
TN	l s c u	Terminal Number (loop, shelf, card, unit)
CUST	xx	Customer number
DATE	dd mmm yyyy	Print data from date specified
	ACT	Print data from last activity
PAGE	(NO) YES	Data printed on a per page basis

Digital Communications Set data

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	DCS	Digital Communications Set
CUST	xx	Customer Number associated with this data block
DMC	l s c	Digital Enhanced Cordless Telecommunications (DECT) Mobility Controller Location

Digital set (2000 series, 3000, and Aries) data

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	a...a	Type of data block (Type responses begin on page page 634)
TN	l s c u	Terminal Number (loop, shelf, card, unit)
CDEN	SD, DD, 4D, 8D	Single, Double, Quad or Octal Density
CUST	xx	Customer number
TEN	0-511	Tenant
DATE	dd mmm yyyy	Print data from date specified
	ACT	Print data from last activity
PAGE	(NO) YES	Data printed on a per page basis

Digitone Receiver (DTR) data

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	DTR	Digitone Receiver data
TN	l s c u	Terminal Number (loop, shelf, card, unit)
CDEN	SD, DD, 4D, 8D	Single, Double, Quad or Octal Density
DATE	dd mmm yyyy	Print data from date specified
	ACT	Print data from last activity
PAGE	(NO) YES	Data printed on a per page basis

Directory number (DNB) data

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	DNB	Directory number data block
CUST	xx	Customer number
DN	x...x	Print for Directory Number
DATE	dd mmm yyyy	Print data from the date specified
	ACT	Print data from the last Activity
PAGE	(NO) YES	Data printed on a per-page basis
DES	d...d	Print all units with DES “d...d’
	d+	Print all units starting with “d”
	+	Print units with no DES assignment
	<CR>	Disregard DES
ADJUST PAPER THEN <CR>		
	<CR>	Adjust paper so that printing starts at top of sheet

Directory number (DNB) range data

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	DNB	Directory Number block
CUST	xx	Customer number
DN	xxxx-xxxx	Directory Number range

Directory number (DNB) selection

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	DNB	Directory Number block
CUST	xx	Customer number
DN	xxxx,xxxx,..	Up to 8 DNs can be entered (separated by a comma)
DATE	dd mmm yyyy	Print data from the date specified
	ACT	Print data from the last Activity
PAGE	(NO) YES	Data printed on a per-page basis
DES	d...d	Print all units with DES “d...d’
	d+	Print all units starting with “d”
	+	Print units with no DES assignment
	<CR>	Disregard DES
ADJUST PAPER THEN <CR>		
	<CR>	Adjust paper so that printing starts at top of sheet

Group Call (GRP) data

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	GRP	Group Call
GRNO	0-63	Group Call Group Number

Hot Line List (HTL) data

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	HTL	Hot Line List
CUST	xx	Customer number
RNGE	xxxx...xxxx	Range of Hot Line list entries (0-1000) to be printed for this customer
	<CR>	Print all entries in the Hot Line list

Hunting (HNT, GHT, and EHT) data

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	HNT	Hunting
	EHT	External Hunting
	GHT	Group Hunting
CUST	xx	Customer number
HTNO	x...x	Hunt Directory Number
EHNO	x...x	External Hunt Directory Number

IP Phone Model (ISET) data

Prompt	Response	Comment
REQ:	LTN PRT	List TN of TYPE specified Print data block for the TYPE specified
TYPE:	ISET	Enable filtering by IP Phone model name
TN	l s c u c u	Terminal Number associated with the unit

CUST	xx	Customer number
TEN	0, 1-511	Tenant
DATE	dd mmm yyyy	Print data from date specified
PAGE	(NO) YES	Date printed on a per page basis
DES	d...d, d+, +	Designator
IP_PHONE_MODEL		IP Phone model
	xxxxxx	IP Phone model associated with the report

Multifrequency (MFC, MFE, MFR, MFK5, MFK6, MFVE) data

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	MFC	Multifrequency compelled sender/receiver
	MFE	Multifrequency signaling for Socotel sender/receiver
	MFR	Multifrequency receiver (for Feature group D)
	MFVE	Multifrequency versatile units
	MFK5	2/5 Spanish KD3 MF signaling
	MFK6	2/6 Spanish KD3 MF signaling
TN	l s c u	Terminal Number (loop, shelf, card, unit)
	l ch	DTI/PRI loop and channel
	s ch	DTI/PRI shelf and channel
CDEN	SD, DD, 4D, 8D	Single, Double, Quad or Octal Density
DATE	dd mmm yyyy	Print data from date specified
	ACT	Print data from last activity
PAGE	(NO) YES	Data printed on a per page basis

Out of Service unit (OOSSLT and OOSMLT) data

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	OOSSLT	Single line TNs that are Out-of-Service
	OOSMLT	Multi-line TNs that are Out-of-Service
TN	l s c u	Terminal Number associated with the unit

Power (PWR) data

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	PWR	Power data block
TN	l s c u	Terminal Number (loop, shelf, card, unit)
CDEN	SD, DD, 4D, 8D	Single, Double, Quad or Octal Density
DATE	dd mmm yyyy	Print data from date specified
	ACT	Print data from last activity
PAGE	(NO) YES	Data printed on a per page basis

Pretranslation (PRE) data

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	PRE	Pretranslation
CUST	xx	Customer number

Special Service List (SSL) data

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	SSL	Special Service List
SSL	1-15	Special Service List number

Speed call lists (SCL) data

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	SCL	Regular and System Speed Call Lists
LSNO	0-8190	List Number for Speed Call or System Speed Call
	<CR>	Print for all lists
RNGE	xxxx xxxx	Range of Speed Call entries (0-1000) to be printed
	<CR>	Print all entries

Tandem Connection (TCON) data

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	TCON	Tandem Connection for Meridian Packet Handler and PRI connections

Template (TEM) data

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	TEM	Templates
FOR	aaa	Print template information for telephone type
INFO	FRM	Print key/feature assignment template
	USE	Print number of users of the template
		Note: The USE response is valid with the INFO prompt only when “500”, “BCS” or “SL1” is entered in response to the FOR prompt.
	USS	Print TN using the template
	DEF	Print number of templates defined and the number of templates allowed
		Note: The DEF response is valid with the INFO prompt only when “500”, “BCS” or “SL1” is entered in response to the FOR prompt.
TEMP	xxxx	Telephone template number
	<CR>	Print all templates

Terminal Number Block (TNB) data for telephones and trunks

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	TNB	Terminal Number Block
TN	l s c u,...	Terminal Number (Up to 6 TNs can be entered)
CDEN	SD, DD, 4D, 8D	Card Density
CUST	xx xx	Customer number
MPHI	YES, NO	Meridian Packet Handler Interface
SPWD	xxxx	Security Password
TEN	0, 1-511	Tenant
DATE	dd mmm yyyy	Print data from date specified
PAGE	(NO) YES	Date printed on a per page basis
DES	d...d, d+, +	Designator
NACT	(NO) YES, END	Next Activity
AACS	a...a	Application acquired set (a...a = (NO), AGTH, or AGT)
ASID	x...x	Application Service ID
SFNB	1 2 ...	Set Feature Notification Bitmap
SFRB	1 2 ...	Set Feature Route Bitmap
USFB	1 2 ...	Unsolicited Status Message (USM) Filter Bitmap
CALB	1 2 ...	Call Filter Bitmap
SMCB	1-17	Print set message control bitmap
SMOO	(NO) YES	(Do not set) Set message optimize option

Terminal Number Block (TNB) range data

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	TNB	Terminal Number Block
TN	l s c u-l s c u	Terminal Number Range

Tone Detector (TDET) data

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	TDET	Tone Detector data
TN	l s c u	Terminal Number (loop, shelf, card, unit)
DATE	dd mmm yyyy	Print data from date specified
	ACT	Print data from last activity
PAGE	(NO) YES	Data printed on a per page basis

Trunk data: All Trunks

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	TRK	Trunk data block
TN	l s c u	Terminal Number (loop, shelf, card, unit)
CDEN	SD, DD, 4D, 8D	Single, Double, Quad or Octal Density
CUST	xx	Customer number
DATE	dd mmm yyyy	Print data from date specified
	ACT	Print data from last activity
PAGE	(NO) YES	Data printed on a per page basis

Trunk data: Specific Trunk types

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	ADM	Add-on Data Module
	AWR	Automatic Wake-Up RAN/Music trunks
	CAA	Common Control Switching Arrangement
	CAM	CAMA trunks
	COT	Central Office trunks
	CSA	Common control switching arrangement access line
	DIC	Dictation trunks
	DID	Direct inward dial trunks
	FEX	Foreign Exchange trunks
	FGDT	Feature Group D trunks
	IDA	Integrated digital access trunks
	ISA	Integrated services access trunks (ISDN)
	MCU	Meridian Communications Unit
	MDM	Modem/Data Module
	MUS	Music trunks
	CBCT	NI-2 CBC trunk
	PAG	Paging trunks
	R232	RS-232 mode data
	R422	RS-422 mode data
	RAN	Recorded announcement trunks
	RCD	Recorder trunks
	RDC	Real digital channel
	RLM	Release Link Main trunks
	RLR	Release Link Remote trunks
	TIE	TIE trunks
	WAT	Wide Area Telephone service trunks
TN	l s c u	Terminal Number (loop, shelf, card, unit)
CDEN	SD, DD, 4D, 8D	Single, Double, Quad or Octal Density
CUST	xx	Customer number
DATE	dd mmm yyyy	Print data from date specified
	ACT	Print data from last activity
PAGE	(NO) YES	Data printed on a per page basis

Unused Card (LUC) data

Prompt	Response	Comment
REQ:	LUC	List Unused Card data blocks
TN	l s c	Terminal Number (loop, shelf, card)
	s ch	DTI/PRI shelf and channel
	l ch	DTI/PRI loop and channel

Unused Directory Number (LUDN) data

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	LUDN	List Unused Directory Numbers
CUST	xx	Customer number
DN	xxxx-xxxx	DN range

Unused Units (LUU) data

Prompt	Response	Comment
REQ:	LUU	List Unused Units
TYPE:		Peripheral equipment requiring TNs:
	500	Single line or analog sets
	SL1	SL-1 sets
	2000	Digital sets and M2250 consoles
	DTR	Digitone Receiver
	DSL	Digital Subscriber Loop
	MCU	Meridian Communications Unit
	TRK	All trunks
	a...a	Any specific trunk type (e.g., COT, DID, FEX, WAT, etc.)
TN	l s c u	Terminal Number

Unused Voice or Data unit (LUVU or LUDU) data

Prompt	Response	Comment
REQ:	LUVU	List Unused Voice Units
	LUDU	List Unused Data Units
TYPE:		Peripheral equipment requiring TNs:
	500	Single line or analog sets
	SL1	SL-1 sets
	2000	Digital sets and M2250 consoles
	DTR	Digitone Receiver
	DSL	Digital Subscriber Loop
	MCU	Meridian Communications Unit
	TRK	All trunks
	a...a	Any specific trunk type (e.g., COT, DID, FEX, WAT, etc.)
TN	xx...xxxx	Terminal Number

Voice Mailbox (VMB) data

Prompt	Response	Comment
REQ:	PRT	Print
TYPE:	VMB	Voice Mailbox information
CUST	<CR>	Customer number automatically appears. No entry is needed.
DN	xxxx	Print for Directory Number
VMB_STATE	nnnn	Print based on Voice Mailbox State

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
AACS		Application acquired set	ngcc-22
	NO	The TN is not acquired by an application	
	YES	The TN is acquired by an application	
ADJUST PAPER THEN <CR>			basic-1
		Adjust paper then <CR> to start printing	
	<CR>	Start printing	
ASID	x...x	Application Service ID from which the acquired request originated	ngcc-22
		The ASID is used for sending the monitor/control messages to the application. The ASID value is updated based on the applications's Acquire message for the TN. Since the AML over Ethernet (ELAN subnet) is used to communicate between the Meridian 1 and the application(s), the value of the existing VSID might be used to uniquely identify the application that has acquired this device.	
		ASID is printed if AACS = YES.	
BUID	x...x	MG 1000B User ID	
		For CS 1000S system	sbo-2
CALB	1 2 ...	Call Filter Bitmap	ngcc-22
		CALB applies to messages such as PCI, DN update, etc.	
		This bitmap is downloaded by the application which is used to control the sending of messages on behalf of the acquired TN. A numeric value would only be printed if the corresponding set message is enabled.	
		CALB is printed if AACS = YES.	
CDEN	SD	Single Card Density	basic-7
	DD	Double Card Density	
	4D	Quadruple Card Density	
	8D	Octal Card Density	
	<CR>	For all card densities	
CSDN	x..x	Print the Converged Service Directory Number	sip-4.0

Prompt	Response	Comment	Pack/Rel
CTYP	(XDLC) EDLC	Card type is 16 port DLC Card type is 24 port DLC ***Note:*** EDLC not supported on Small System and CS 1000S	basic-25
CUST	xx xx	Customer number as defined in LD 15 Print data range from first to last customer. Not prompted when: 1. REQ = LUU or LUC 2. TYPE = SCL, DIG or TEM 3. a complete TN is entered If no value is entered, then data blocks are printed for all customers.	basic-1
DATE	dd mmm yyyy **<CR>** ACT	Print data from date specified. Where: • dd = 1-31 • mmm = JAN-DEC • yyy = year (e.g. 1993) DATE is prompted for TN related data. Print data and show last activity date. Print data from last activity date.	basic-1
DES	 d...d d+ + <CR>	ODAS Station Designator Print all units with ODAS designator. Enter a 1-6 alphanumeric character representing an Office Data Administration System (ODAS) Station Designator. Print units starting with ODAS designator d Print units with no ODAS designator assigned Disregard ODAS designator DES is prompted on TN related data The printing of data is subject to restrictions imposed by responses to TN and DATE.	odas-1
DGRP	 0-2045 <CR>	Dial Intercom Group DIG numbers per customer Print all Dial Intercom Groups for customer DGRP is prompted when TYPE = DIG	basic-1

Prompt	Response	Comment	Pack/Rel
DMC	l s c	Digital Enhanced Cordless Telecommunications (DECT) Mobility Controller Location	mc32-25
	c	Small System and CS 1000S format	
DMEM	0-99 <CR>	Dial Intercom Group (DIG) Member number Print all DIG member numbers	basic-1
DN		Directory Number If no value is entered, the report will include all Directory Numbers.	basic-19
	xxxx xxxx <space>	Print data block for DN If a space is entered after the Directory Number the system will reprompt for DN. A maximum of six DNs can be stacked and printed at one time.	
	x<CR> xx<CR> xxx<CR>	All DNs starting with first digit x (X000-X999) All DNs starting with first two digits xx (XX00-XX99) All DNs starting with first three digits xxx (XXX0-XXX9)	
	x-<CR> x-y<CR> xx-yyy<CR>	All DNs between X000-9999 All DNs between DN X000 through Y999 All DNs between DN XX00 through YYY9	
	xxxx xxxx xxxx-yyyy	Two specific DNs. Up to a maximum of 8 DNs. All DNs between XXXX and YYYY	
EHNO	xxxx	External HUNT DN Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. EHNO is prompted when TYPE = EHT	eht-10
ESA_HLCL	x...x	Home Local Code for Emergency Service Access (up to 12 digits).	
ESA_INHN	YES/NO	Insert/Do not Insert Home National Code in front of ESA_HLCL.	
ESA_APDN	YES/NO	Append/Do not append DN after ESA_HLCL.	
ESA_ONLY	(YES) NO	Print data for ESA call type only or print data for all call types.	basic-4.0

Prompt	Response	Comment	Pack/Rel
FOR		Print template information for telephone type	basic-1
	500	Print data for 500/2500 telephones.	
	2xxx	Print data for 2000 type telephones (specify type).	
	3xxx	Print data for 3000 type telephones (specify type)	basic-24
	SL1	Print data for SL-1 telephones.	
	I2002	Print data for IP Phones type 2002, CS 1000S	basic-2
	I2004	Print data for IP Phones type 2004	basic-25
	I2050	Print data for IP SoftPhones type 2050, CS 1000S	basic-2
GRNO	0-63	Group Call Group Number. Prompted when TYPE = GRP.	grp-1
	<CR>	Print all group call groups.	
GRP	1 - 4095	Group number to be printed	grp-21
	<CR>	All groups assigned to a speed call list are printed.	
HTNO	x...x	Hunt Directory Number Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Prompted when TYPE = HNT.	basic-1
INFO		Information for Templates	basic-1
	FRM	Print key/feature assignment template	
	USE	Print number of users of template ***Note:*** Valid with the INFO prompt only when “500”, “BCS” or “SL1” is entered in response to the FOR prompt.	
	USS	Print TN using the template	
	DEF	Print number of templates defined and number allowed ***Note:*** Valid with the INFO prompt only when “500”, “BCS” or “SL1” is entered in response to the FOR prompt. Prompted when TYPE = TEM	
IP_PHONE_MODEL		IP Phone model	basic-4.50
	xxxxxx	IP Phone model as defined in LD 11.	

Prompt	Response	Comment	Pack/Rel
LSNO	0-8190	Speed Call Lists	basic-1
		When inputting list number for printout, non-DN input exceeding 4 digits may be truncated. Only the 4 right-most digits will be accepted and printed	
MODL	xxx	Model number for Small System (1-3 digits) Model number for CS 1000S (1-3 digits)	basic-15 basic-1
MOTN		Main Office TN	sbo-2.0
	<CR> l s c u	Accept default when CS 1000S is the Main Office When Main Office is a Large System or CS 1000E	
MPHI	YES NO	Meridian Packet Handler Interface. Prompted when TYPE = MCU. Respond Yes if using the MCU for MPH interfaces.	mph-19
NACT		Next Activity	odas-1
	(NO)	Return to REQ prompt	
	YES	Reset the ACT date to the current system date, print the new ACT value and exit the Overlay.	
	END	Exit Overlay program	
PAGE	(NO) YES	Data printed on a per-page basis Prompted only on TN related data	basic-1
REQ:		Request	basic-1
	END	Exit overlay program	
	LTN	List TN of TYPE specified	
	LUC	Print Unused Card data blocks of TYPE specified	
	LUDU	List Unused Data Units	
	LUU	Print Unused Unit data blocks of TYPE specified	
	LUVU	List Unused Voice Units	
	PRT	Print data block for the TYPE specified.	
		The following is a list of valid responses. For further information, consult the appropriate Overlay program.	
		LD 32: CDSP CMIN CONV CPWD DISC DISI DISL DISN DISS DISU DSCT DSPS DSXP ENCT ENLC ENLG ENLL ENLN ENLS ENLU ENPS ENXP IDC IDCS IDU LBSY LDIS LIDL LMNT PBXT SDLC STAT SUPL TRK XNTT XPCT XPEC	

Prompt	Response	Comment	Pack/Rel
		LD 10 or 11: CHG CPY MOV NEW OUT	
RNGE	xxxx yyyy <CR>	Range of list entries to be printed, inclusive from first entry number to last entry number. Print All members of a specified SCL or SSC list.	optf-1
SCNO	0-253 0-8190 <CR>	Speed Call list Number Speed Call list Number Print all lists. Prompted when TYPE = SCL	optf-1
SFNB	1 2 ...	Set Feature Notification Bitmap SFNB is used for messages such as: SFN (login), SFN (logout), ... This bitmap is downloaded by the application which is used to control the sending of SFN messages on behalf of the acquired TN. A numeric value is printed only if the corresponding message is enabled. SFNB is printed if AACS = YES.	ngcc-22
SFRB	1 2 ...	Set Feature Route Bitmap SFRB is used for messages such as: SFR (login), SFR (logout), ... This bitmap is downloaded by the application which is used to control the sending of SFR messages on behalf of the acquired TN. A numeric value is printed only if the corresponding message is enabled. SFRB is printed if AACS = YES.	ngcc-22
SHORT	(YES) NO	Print data in short (80 characters) or long format.	basic-4.0
SORTBY	(DN), TN	The output/report will be sorted based on this flag. If the response is DN, the overlay prompts the user to enter the DN and the output is sorted by the DN. If the response is TN, the overlay prompts the user to enter the TN and the output is sorted by the TN.	

Prompt	Response	Comment	Pack/Rel
SPWD	xxxx	Security Password. This prompt appears when: 1. the Station Specific Authcode package (229) is equipped. 2. the security password is defined in LDs 10 and 11.	ssau-19
TBNO	1-254	Table Number for 16-Button DTMF Prompted when TYPE = ABCD	supp-10
TEM	xxxxxxx <CR>	Template number Print data for all templates. Prompted when TYPE = TEM	basic-1
TEMP	xxxx	Telephone template number. Enter <CR> to print all templates.	basic-1
TEN	 0 1-511 <CR>	Tenant Shared customer resource stations Tenant Service stations Print data blocks for all tenants.	tens-7
TN		Terminal Number	basic-1
	loop	Print data of the specified TYPE for this loop.	
	l s	Print data of the specified TYPE for this loop and shelf	
	l s c	Print data of the specified TYPE for this loop, shelf and card	
	l s c u	Print data of the specified TYPE for this loop, shelf, card and unit.	
	sl ch	Print data of the specified TYPE for this shelfloop and channel (format for Digital Trunk and Primary Rate Interfaces).	
	card	Print data of the specified TYPE for this card (Small System and CS 1000S).	
	c 0 0 u	For Small System and CS 1000S	

Prompt	Response	Comment	Pack/Rel
	c u	Print data of the specified TYPE for this card and unit (Small System and CS 1000S).	
	c ch	Print data of the specified TYPE for this card and channel (digital trunks only) (Small System and CS 1000S).	
	n. . . n<space>	System will prompt for TN. A maximum of six TNs can be stacked and printed at one time.	
	<CR>	Print data for all TNs of the specified TYPE.	
	l s c u, l s c u	List of TNs (up to 6)	
	l s c u, sl ch	A TN and a trunk shelfloop/channel can be entered on the same line	
	l s c, l s c	All units within the specified starting and ending cards	
	l s, l s c u	All units, including the specified starting shelf and ending TN	
	l s c u	All TNs starting with the specified TN and ending with the last TN Not prompted when TYPE = SCL, HNT, DIG, TEM, or GRP	
	loop, l s, l c u, l s c u, l ch	l = (0-255) systems with Fibre Network Fabric	fnf-25
TYPE:		Type of data block	basic-1
	500 500 M	500/2500 telephone Small System and CS 1000S Model	
	2000 I2001 I2002 I2004 2003	M2000 type digital telephones IP Phone 2001 IP Phone 2002 IP Phone 2004 2003 Digital telephone	

Prompt	Response	Comment	Pack/Rel
	I2050	IP SoftPhone 2050	
	2006 2006 M	M2006 Digital telephone Small System and CS 1000S Model	
	2008 2008 M	M2008 Digital telephone Small System and CS 1000S Model	
	2016	M2016 Digital telephone	
	2216	M2216 Digital telephone (ACD terminal)	
	2216 M	Small System and CS 1000S Model	
	2250	M2250 Console	
	2317 2317 M	M2317 Digital telephone Small System and CS 1000S Model	
	2616 2616 M	M2616 Digital telephone Small System and CS 1000S Model	
	3000 3000 M	M3000 Digital Touchphone Small System and CS 1000S Model	
	4020	M4020 Model	
	ABCD	16-Button DTMF	
	ADM ADM M	Add-on Data Module Data port interfacing with a data line card Small System and CS 1000S Model	
	ARIE	Aries (M2006, M2008, M2016S, M2216 and M2616) sets and Meridian Communications Unit (MCU) data blocks	
	ATVN	Autovon trunks	
	AWR	Automatic Wake Up RAN/Music trunk	
	AWR M	Small System and CS 1000S Model	
	BCS	Business Communication Set	

Prompt	Response	Comment	Pack/Rel
	CAA	Common Control Switching Arrangement (CCSA) Automatic Number Identification (ANI) trunk data block	
	CAA M	Small System and CS 1000S Model	
	CAM	CAMA trunk data block	
	CAM M	Small System and CS 1000S Model	
	CLIDVER	Calling Line ID Verification	
	COT	Central Office Trunk (PSTN) data block	
	COT M	Small System and CS 1000S Model	
	CPNW	Call Pickup Network Wide data	
	CSA	Common Control Switching Arrangement access line	
	CSA M	Small System and CS 1000S Model	
	DAC	Data Access Card	
	DCS	Digital Communications Set	mc32-25
	DIC	Dictation trunk data block	
	DIC M	Small System and CS 1000S Model	
	DID	Direct Inward Dialing trunk data block	
	DID M	Small System and CS 1000S Model	
	DIG	Dial Intercom Group	
	DNB	Directory Number Block	
	DSL	Digital Subscriber Loop (S/T or U I/F for ISDN BRI)	
	DT2	2.0 Mb/s DTI output only	
	DTD	Dial Tone Detector	
	DTR	Digitone Receiver	
	EHT	External Hunting	
	FEX	Foreign Exchange trunk	
	FEX M	Small System and CS 1000S Model	

Prompt	Response	Comment	Pack/Rel
	FGDT	Feature Group D Trunk	
	GHT	Group Hunt	
	GRP	Group call	
	HNT	Hunting	
	HTL	Hot Line	
	I2004	IP Phone 2004	basic-25
	IDA ISA	Integrated Digital Access Integrated Services Access trunk (ISDN)	
	ISET	IP Phone model name	basic-4.50
	LUDN	List Unused Directory Numbers.	
	MCU	Meridian Communications Unit	
	MDM MDM M	Modem/Data Module. Data port interfacing with QPC60 500/2500 type card Small System and CS 1000S Model	
	MFC	Multifrequency Compelled sender/receiver data block	
	MFE	Multifrequency Signaling for Socotel sender/receiver	
	MFK5	2/5 Spanish KD3 MF Signaling	kd3-20
	MFK6	2/6 Spanish KD3 MF Signaling	kd3-20
	MFR	Multifrequency Receiver (for Feature Group D)	
	MFVE	Print Multifrequency Versatile units	
	MUS MUS M	Music trunk Small System and CS 1000S Model	
	OOSMLT	Out-of-Service Multi-Line Terminal	xpe-20
	OOSSLT	Out-of-Service Single Line Terminal	xpe-20

Prompt	Response	Comment	Pack/Rel
	PAG	Paging trunk	
	PAG M	Small System and CS 1000S Model	
	PBX	PBX sets	
	PRE	Pretranslation	
	PRI2	ACD Priority Agents	
	PWR	Power data block	
	R232	NT7D16 Data Access Card (DAC) port in RS-232 Data mode data block	
	R232 M	Small System and CS 1000S Model	
	R422	NT7D16 Data Access Card (DAC) port in RS-422 mode data block	
	R422 M	Small System and CS 1000S Model	
	RAC	Real Analog Channel	
	RAN	Recorded Announcement trunk	
	RAN M	Small System and CS 1000S Model	
	RCD	Recorder trunk	
	RDC	Real Digital Channel	
	RLM	Release Link Main trunk	
	RLM M	Small System and CS 1000S Model	
	RLR	Release Link Remote trunk	
	RLR M	Small System and CS 1000S Model	
	SCL	Regular and System Speed Call Lists	
	SSL	Special Service List	
	TCON	Tandem Connection for MPH and PRI connections	
	TDET	Tone Detector	
	TEM	Template	
	TIE	TIE trunk	
	TIE M	Small System and CS 1000S Model	

Prompt	Response	Comment	Pack/Rel
	TNB	Terminal Number	
	TRK	Trunk data block	
	VAC	Virtual Analog Channel	
	VDC	Virtual Digital Channel	
	VMB	Voice Mailbox information	
	WAT WAT M	Wide Area Telephone Service trunk Small System and CS 1000S Model	
	XTD	Extended Dial Tone Detector and Digitone Receiver	
	<CR>	Print all	
USFB	1 2 ...	Unsolicited Status Message (USM) Filter Bitmap USFB applies to messages such as: • Onhook, Offhook, Ringing, Active, Disconnect, Unringing, Hold, Restore, Ready, Not Ready, Walkaway, Walkaway Return, Reserved, Unreserved, ... This bitmap is downloaded by the application which is used to control the sending of USM messages on behalf of the acquired TN. A numeric value would only be printed if the corresponding message set is enabled. USFB is printed if AACS = YES.	ngcc-22
VMB_STATE	nnnn	Print based on Voice Mailbox State	vmba-19

LD 21: Print Routine 2

Overlay program 21 allows data to be printed for the following:

- customer data blocks
- code restriction data blocks
- route data blocks
- trunks within a route
- ATM routes
- ATM schedules
- CAS keys
- associated TN

Set Relocation data

This prints the sets which have “relocated out”, but have not “relocated back in”. With Automatic Set Relocation the set's serial number, NT code, color code, and release are also printed.

Input Processing

Prompts ending with a colon (:) allow the user to enter either:

- a question mark (?) followed by a carriage return (<CR>) to get a list of valid responses to that prompt, or
- an abbreviated response, the system then responds with the nearest match. If there is more than one possible match the system responds with SCH0099 and the input followed by a question mark and a list of possible responses. The user can then enter the valid response.

Prompts and responses

Prompt	Response	Comment
REQ	aaa	Request (aaa = END, LCS, LRT, LTM, or PRT)
TYPE	a...a	Type of data block (TYPE responses begin on page 657)
CUST	xx	Customer number associated with this data block
SIZE	0-4000	CLID table entry size
RNGE	aa ... aa	CLID entry or entries to be printed
HOUR	0-23	All routes tested by ATM for this hour
OPR	(NO) YES	Outpulsing Route
ROUT	0-511	Route number
ACOD	x...x	Access Code for route
AACR	(NO) YES	The route (is not)/is acquired by the application
ASID	x...x	Application Service ID from which the acquired request originated
SFNB	1 2 ...	Set Feature Notification Bitmap
USFB	1 2 ...	Unsolicited Status Message (USM) Filter Bitmap
CALB	1 2 ...	Call Filter Bitmap

Alphabetical list of print reports

Application Module Link (AML) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	AML	Application Module Link
CUST	xx	Customer number

Attendant Console (ATT) data from LD 15

Prompt	Response	Comment
REQ	PRT	Print
TYPE	ATT	Attendant consoles
CUST	xx	Customer number

Automatic Number Identification (ANI) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	ANI	Automatic Number Identification
CUST	xx	Customer number
CIS_ANI	(NO) YES	Print (do not print) CIS ANI
R_RANGE	xx yy	ANI entries for set to be printed
CACC	(NO) YES	CAC Conversion Table Option
- MFC_ENT_R 0		
	(0)-31	CAC Conversion Table (MFC CAC into CIS CAC)
- CIS_ENT_R 0		
	(0)-31	CAC Conversion Table (CIS CAC into MFC CAC)

Automatic Trunk Maintenance (ATM) route data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	ATM	ATM routes
CUST	xx	Customer number
ROUT	0-511	Route number to be printed

Automatic Trunk Maintenance (ATM) schedule data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	SCH	ATM schedules
CUST	xx	Customer number
HOUR	0-23	Print all routes tested by ATM for this hour
	<CR>	Print routes tested for all hours

Automatic Wake Up (AWU) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	AWU	Automatic Wake Up
CUST	xx	Customer number

Call Detail Recording (CDR) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	CDR	CDR and Charge Account
CUST	xx	Customer number

Call Redirection (RDR) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	RDR	Call Redirection options
CUST	xx	Customer number

Centralized Attendant Service (CAS) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	CAS	Centralized Attendant Service
CUST	xx	Customer number

Centralized Attendant Service (CASK) Key

Prompt	Response	Comment
REQ	PRT	Print
TYPE	CASK	Centralized Attendant Service key
CUST	xx	Customer number

Code Restriction (CRB) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	CRB	Code Restriction data
CUST	xx	Customer number
ROUT	0-511	Route number to be printed
ACOD	xxxx	Access Code

Controlled Class of Service (CCS) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	CCS	Controlled Class of Service
CUST	xx	Customer number

Customer data block (CDB)

Prompt	Response	Comment
REQ	PRT	Print
TYPE	CDB	Customer data block
		Note: If you need information regarding System Passwords, print PWD_DATA field by itself. PWD_data will not be provided by printing CDB.
CUST	xx	Customer number

Features and options (FTR) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	FTR	Features and Options
CUST	xx	Customer number
TBL	(0)-31	Tone Table Number

Flexible Code Restriction (FCR) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	FCR	New Flexible Code restrictions
CUST	xx	Customer number

Flexible Feature Codes (FFC) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	FFC	Flexible Feature Code
CUST	xx	Customer number

Hospitality Management (HSP) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	HSP	Hospitality Management options
CUST	xx	Customer number

Integrated Message Service (IMS) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	IMS	Integrated Message Service
CUST	xx	Customer number

Intercept Computer Update (ICP) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	ICP	Intercept computer options
CUST	xx	Customer number

Intercept Treatments (INT) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	INT	Intercept treatment options
CUST	xx	Customer number

ISDN Signaling Link (ISLL) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	ISLL	ISDN Signaling Link trunk TN

Listed Directory Numbers (LDN) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	LDN	Departmental Listed Directory Numbers
CUST	xx	Customer number

Multi-Party Operations (MPO) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	MPO	Multi-party options
CUST	xx	Customer number

Networking (NET) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	NET	ISDN and ESN networking options
CUST	xx	Customer number

Night Service (NIT) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	NIT	Night Service
CUST	xx	Customer number

Off Hook Alarm Security (OAS) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	OAS	Off-Hook Alarm Security
CUST	xx	Customer number

Password (PWD) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	PWD	Customer Related Passwords
CUST	xx	Customer number
PWD2	xxxx	Level 2 Password

Periodic Pulse Metering (PPM) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	PPM	Periodic Pulse Metering
CUST	xx	Customer number

Recorded Overflow Announcement (ROA) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	ROA	Recorded Overflow Announcement options
CUST	xx	Customer number

Route Data Block (RDB)

Prompt	Response	Comment
REQ	PRT	Print
TYPE	RDB	Route Data Block
CUST	xx	Customer number
ROUT	0-511	Route number to be printed
	<CR>	Print data for all routes
ACOD	xxxx	Route access code

Set Relocation (SRDT) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	SRDT	Recent Set Relocation activity

Test lines (TST) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	TST	Test lines
CUST	xx	Customer number

Timers (TIM) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	TIM	Timer options
CUST	xx	Customer number

Trunk Members (LTM) data

Prompt	Response	Comment
REQ	LTM	List Trunk members
CUST	xx	Customer number
ROUT	0-511	Route number to be printed
ACOD	xxxx	Route Access Code

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
AACR	(NO) YES	The route is not acquired by the application The route is acquired by the application	ngcc-22
ACOD	x...x <CR>	Access Code for route Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Print data for all route access codes This prompt appears when ROUT = <CR>	basic-1
ARDN		Allow last Re-Directing Number, where:	basic-4.50
	(NO) YES RPO	(NO) is Treatment for originally called number. YES is Treatment for last redirecting number. RPO is Treatment for last redirecting number if OCN is Public.	
ASID	x...x	Application Service ID from which the acquired request originated ASID is used for sending route status messages. The ASID value is updated based on the application's Acquire message for the route. Since the AML over Ethernet (ELAN subnet) is used to communicate between the Meridian 1 and other applications, the VSID value might be used to uniquely identify the application which has acquired that device.	ngcc-22
BFS_CFW	(YES) NO	Busy Forward Status Call Forward. Where: • (YES) = the Call Forward on the boss telephone can be enabled from the secretary telephone by pressing the BFS key on the secretary telephone. • NO = the BFS key on the secretary telephone is disabled.	bfs-24

Prompt	Response	Comment	Pack/Rel
CALB	1 2 ...	Call Filter Bitmap CALB applies to messages such as PCI, DN update, etc. This bitmap is downloaded by the application which is used to control the sending of messages on behalf of the acquired TN. A numeric value would only be printed if the corresponding set message is enabled. CALB is printed if AACR = YES.	ngcc-22
CRID	(NO) YES	Print data of CDR record for SIP.	sip-4.0
CUST	xx xx	Customer number Print data range from first to last customer Not prompted when: • REQ = LUU or LUC • TYPE = SCL, DIG or TEM • a complete TN is entered	basic-1
	<CR>	Print data blocks for all customers	
DAPC	(DAPA) DAPD	Dial Access Prefix on Console Display Access Prefix Allowed Display Access Prefix Denied	isdn-24
FTR_DATA	(NO) YES	Change Features and options	
HOUR	0-23 <CR>	All routes tested by ATM for this hour Print routes tested by ATM for all hours	
PCA	(NO) YES	Personal Call Assistant, where: OFF = Turns PCA off at the customer level ON = Turns PCA on at the customer level ***Note:*** Configuration of the PCA is preserved and enabled regardless of whether or not the feature is enabled.	pca-3.0
PCID	H323 SIP	Print Protocol ID for the route. Print Protocol ID for the SIP route.	basic-2 basic-4.0
OPR	(NO) YES	Outpulsing Route	

Prompt	Response	Comment	Pack/Rel
		This prompt appears when OPOA is equipped. Prompted on TN related data	
REQ		Request	basic-1
	END	Exit overlay program	
	LCS	List Configured Customers	
		For CS 1000S	basic-2
	LRT	List configured Routes associated with a customer	
		For CS 1000S	basic-2
	LTM	Print trunk route by TN and member number	
	PRT	Print data block for the TYPE specified.	
RNGE	aa ... aa	CLID entry to be printed	isdn-22
		You may print one CLID entry or several CLID entries. If you want to print several CLID entries, separate each entry with a comma. Each CLID entry must be between 0 and the number entered for the prompt SIZE in LD 15.	
ROUT	0-511	Route number	basic-1
	<CR>	Print data for all routes This prompt appears when TYPE = CRB or RDB	
SFNB	1 2 ...	Set Feature Notification Bitmap	ngcc-22
		SFNB is used for messages such as: SFN (login), SFN (logout), ...	
		This bitmap is downloaded by the application which is used to control the sending of SFN messages on behalf of the acquired TN. A numeric value is printed only if the corresponding message is enabled.	
		SFNB is printed if AACR = YES.	
SIZE	- - -	CLID table entry size.	isdn-22
		The SIZE prompt and the SIZE value print out automatically after the CUST prompt.	

Prompt	Response	Comment	Pack/Rel
TPDN	yyyy	Target PCA DN, where: yyyy = the primary DN TPDN is prompted only if PCA is set to ON. If there is no DN configured against the HOT P key in LD 11, this value is used to extend the call using the PCA feature. Enter X to remove. However, if there is at least one PCA with no target DN configured in LD 11, then this operation does not succeed.	pca-3.0
TYPE		Type of data block	basic-1
	AML_DATA	Application Module Link	
	ANI_DATA	Automatic Number Identification numbers	
	ATM	Automatic Trunk Maintenance (ATM) data block	
	AWU_DATA	Enable Automatic Wake-up	
	CASK	Centralized Attendant Service (CAS) key data block	
	CAS_DATA	Centralized Attendant Service	
	CCS_DATA	Controlled Class of Service options	
	CDB	Customer Data Block ***Note:*** If you need information regarding System Passwords, print PWD_DATA field by itself. PWD_data will not be provided by printing CDB.	
	CDR_DATA	Call Detail Recording	
	CLID	Calling Line Identification entry data	
	CRB	Code Restriction data block	
	FCR_DATA	New Flexible Feature code options	
	FFC_DATA	Flexible Feature Codes	

Prompt	Response	Comment	Pack/Rel
	FTR_DATA	Feature	
	HSP_DATA	Hospitality	
	ICP_DATA	Intercept Positions and interrogation sets. Prompted when REQ = PRT	
	IMS_DATA	Integrated Messaging System	
	INT_DATA	Alarm ring for Internal calls	
	ISLL	IASL ISDN Signaling Link data block. This prompt appears when REQ = PRT.	
	LDN_DATA	Listed Directory Number	
	MON_DATA	Print Monitor data	
	MPO_DATA	Multi-party options	
	NET_DATA	ISDN and ESN networking options	
	NIT_DATA	Night Service options	
	NPID	Numbering Plan Digit or Information Digit table	
	OAS_DATA	Off-Hook Alarm Security options	
	PPM_DATA	Periodic Pulse Metering options	
	PWD_DATA	Print the system Passwords	
	RDB	Route Data Block A printout of a route with the Night Key for DID Digit Manipulation (NKDM) active will show * opposite the value for DCNO or NDNO.	
	RDR_DATA	Call Redirection	
	ROA_DATA	Recorded Overflow Announcement	
	SCH	Schedule data block for ATM	

Prompt	Response	Comment	Pack/Rel
	SDP	Secure data password	
	SRDT	Set Relocation Data block	
	TIM	Timer options	
	TIM_DATA	System Speed Call	
	TST_DATA	Loop Test trunk data	
USFB	1 2 ...	Unsolicited Status Message (USM) Filter Bitmap USFB applies to messages such as: • Onhook, Offhook, Ringing, Active, Disconnect, Unringing, Hold, Restore, Ready, Not Ready, Walkaway, Walkaway Return, Reserved, Unreserved, ... This bitmap is downloaded by the application which is used to control the sending of USM messages on behalf of the acquired TN. A numeric value would only be printed if the corresponding message set is enabled. USFB is printed if AACR = YES.	ngcc-22

LD 22: Print Routine 3

Overlay program 22 allows data to be printed for the following:

- Configuration Record
- DN to TN Matrix
- System Password number
- System Loop Limits
- software version
- tape ID
- issue number
- equipped feature packages
- System License parameters

When printing the DN block, “MARP” is output prior to the DES if it is the MARP TN. Refer to *Features and Services* (553-3001-306) for an explanation of the MARP feature.

Audit trail for Limited Access to Overlays (LAPW)

You must be logged in with the PWD1 or PWD2 password in order to print the Audit Trail. Printing of the Audit Trail deletes the Audit Trail information and resets the buffer.

Packages equipped

This prompt sequence prints the equipped software packages. The packages are printed in numerical order by package number, accompanied by the mnemonic. In addition, you can get the status of an individual package.

Issue and release

If the system has a “patch”, then a “+” is printed next to the issue number.

Prompts and responses

Prompt	Response	Comment
REQ	a...a	Request (a..a = END, IPWD, ISS, ISSP, PRT, PWD, ROM, SLL, SLT, or TLD)
TYPE:	a...a	Type of data block (TYPE responses begin on page 675)
PWD2	xxxx	Password 2
CUST	xx	Customer number associated with this data block
DN	xxxx	Print for Directory Number
CUST	xx	Customer number associated with this data block
DN	xxxx	Print for Directory Number
DATE	dd mmm yyy ACT	
		Date
PAGE	(NO) YES	Data printed on a per-page basis
- ADJUST PAPER THEN <CR>		
	<CR>	Adjust paper so that printing starts at top of sheet.
DES	d...d	Designator
NACT	(NO) YES	Next Activity
- VHST	aaa	View History File (aaa = (%ON) or %OFF)

Audit trail (AUDT) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	AUDT	Audit trail. Must be logged in with the PWD1 or PWD2 password. Printing of the Audit trail deletes the Audit trail information and resets the buffer.

Common Equipment (CEQU) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	CEQU	Common Equipment data

Configuration Record (CFN) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	CFN	Configuration record

Core Inventory (CINV) data for all systems

Prompt	Response	Comment
REQ	PRT	Print
TYPE	CINV	Core Inventory list

History File (VHST) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	VHST	View the History File
VHST	(%ON)	Turn ON display features
	%OFF	Turn OFF display features
	BFIND aaa	Search backward in the History File
	BFIND	Repeats the previous backward search
	DOWN BOT	Moves to the top of the file
	DOWN	Move forward 6 lines in the History File
	FIND aaaa	Search Forward in the history file
	FIND	Repeats the previous forward search
	HELP	List valid responses
	HST	View the system history file
	NEXT BOT	Moves to the end of the file
	NEXT x	Move forward x lines in the History File, display all lines in between
	PREV TOP	Moves to the top of the file
	PREV x	Move backward x lines in the History File, display all lines in between
	TRF	View the system traffic log file
	TTYLOG n	View the log file for TTY port n
	UP TOP	Moves to the top of the file
	UP	Move backward 6 lines in the history file

Input/output device (ADAN) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	ADAN	All I/O devices

Integrated Message Service (IMA) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	IMA	IMS Message Attendant
CUST	xx	Customer number

Issue and Release (ISS)

Prompt	Response	Comment
REQ	ISS	Print Issue and Release

Meridian Modular Telephone (ATRN) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	ATRN	Meridian Modular Telephone transmission parameters

Overlay area (OVLY) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	OVLY	Overlay area information

Package (PKG) information

Prompt	Response	Comment
REQ	PRT	Print
TYPE	PKG	Software Packages
	PKG xxx	Check equipped/restricted status of package number xxx

Password (PWD) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	PWD	Print System Passwords
PWD2	xxxx	Level 2 Password

Peripheral Software Version (PSWV) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	PSWV	Peripheral Software Versions downloaded to: NT8D01 Controller cards, NT8D04 Network cards and NT8D018 Network/Digitone Receiver cards.

System Limits (SLT) data

Prompt	Response	Comment
REQ	SLT	Print System Limits

System Loop Limit (SLL) data

Prompt	Response	Comment
REQ	SLL	Print System Loop Limits

System Parameters (PARM) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	PARM	System Parameters

System Patch (ISSP) data

Prompt	Response	Comment
REQ	ISSP	Print System, Patch, and Plug-in information.

Tape ID (TID) data

Prompt	Response	Comment
REQ	TID	Print Tape ID

Value Added Server (VAS) data

Prompt	Response	Comment
REQ	PRT	Print
TYPE	VAS	Print Value Added Server data

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
ADJUST PAPER THEN <CR>			basic-1
		Adjust paper then <CR> to start printing	
	<CR>	Start printing	
CUST	xx xx	Customer number Print data range from first to last customer. Not prompted when: 1. REQ = LUU or LUC 2. TYPE = SCL, DIG or TEM 3. a complete TN is entered	basic-1
	<CR>	Print data blocks for all customers	
DATE	dd mmm yyyy		basic-1
		Print data from date specified. Where: • dd = 1-31 • mmm = JAN-DEC • yyy = year e.g. 1993 DATE is prompted for TN related data	
	<CR>	Print data and show last activity date	
	ACT	Print data from last activity date	
DES		Designator DES is prompted on TN related data The printing of data is subject to restrictions imposed by responses to TN and DATE.	odas-1
	d...d	Print all units with ODAS designator dddddd	
	d+	Print units starting with ODAS designator d	
	+	Print units with no ODAS designator assigned	
	<CR>	Disregard ODAS designator	
DN		Directory Number	basic-19
	xxxx	Print data block for DN	
	<CR>	Print data blocks for all DN	
	xxxx <space>	If a space is entered after the Directory Number the system will reprompt for DN. A maximum of six DNs can be stacked and printed at one time.	

Prompt	Response	Comment	Pack/Rel
	x<CR> xx<CR> xxx<CR>	All DNs starting with first digit x (X000-X999) All DNs starting with first two digits xx (XX00-XX99) All DNs starting with first three digits xxx (XXX0-XXX9)	
	x-<CR> x-y<CR> xx-yyy<CR>	All DNs between X000-9999 All DNs between DN X000 through Y999 All DNs between DN XX00 through YYY9	
	xxxx xxxx xxxx-yyyy	Two specific DNs. Up to a maximum of 8 DNs. All DNs between XXXX and YYYY	
NACT		Next Activity	odas-1
	(NO)	Return to REQ prompt	
	YES	Reset the ACT date to the current system date, print the new ACT value and exit the Overlay.	
	END	Exit Overlay program	
PAGE	(NO) YES	Data printed on a per-page basis Prompted only on TN related data	basic-1
PWD2	x...x	Enter second level administration password (Password 2) to print information relating to all passwords. Valid characters are 0-9, A-Z, a-z. Length is 4-16 characters.	basic-1
	<CR>	To print only the information regarding the Limited Access to Overlay password used to login. PWD2 is prompted when REQ = PWD or TYPE = PWD.	
REQ		Request	basic-1
	END	Exit overlay program	
	IPWD	Insecure or Expired Password	basic-4.50
	ISS	Print generic version and Issue	
	ISSP	Print System, Patch, and Plug-in information	
	PRT	Print data block for TYPE specified	
	PWD	Print the system Passwords	
	SLL	Print System Loop Limits	

Prompt	Response	Comment	Pack/Rel
	SLT	Print System Limits : Licenset (License parameters and keywords) ***Note:*** If an License limit is set to the maximum value 32767, then the information for that License will not be printed. This does not apply for the TNs License.	
	TID	Print the Tape ID. (S/W Cart ID and Site ID for Small System).	
SSRC	0-(1800)-4000	Signaling Server Resource Capacity	sip-4.0
TN		Terminal Number TN is not prompted when TYPE = SCL, HNT, DIG, TEM, or GRP.	basic-1
	loop	Print data of the specified TYPE for this loop.	
	l s	Print data of the specified TYPE for this loop and shelf	
	l s c	Print data of the specified TYPE for this loop, shelf and card	
	l s c u	Print data of the specified TYPE for this loop, shelf, card and unit.	
	l s c u, l s c u	List of TNs (up to 6)	
	l s c u, sl ch	A TN and a trunk shelfloop/channel can be entered on the same line	
	l s c, l s c	All units within the specified starting and ending cards	
	l s, l s c u	All units, including the specified starting shelf and ending TN	
	l s c u	All TNs starting with the specified TN and ending with the last TN	
	sl ch	Print data of the specified TYPE for this shelfloop and channel (format for Digital Trunk and Primary Rate Interfaces).	
	<CR>	Print data for all TNs of the specified TYPE.	

Prompt	Response	Comment	Pack/Rel
	card	Print data of the specified TYPE for this card (Small System).	
	c 0 0 u	For Small System	
	c u	Print data of the specified TYPE for this card and unit (Small System).	
	c ch	Print data of the specified TYPE for this card and channel (digital trunks only) (Small System).	
	n. . . n<space>	System will prompt for TN. A maximum of six TNs can be stacked and printed at one time.	
TYPE		Type of data block	basic-1
	ADAN	All I/O devices	
	ADAN AML	Application Modules	
	ADAN DCH	D-channel and backup D-channels	
	ADAN FDK	Floppy Disk units	
	ADAN HST	History Files	
	ADAN PRT	System Ports	
	ADAN TTY	System Terminals	
	ADM	Add-on Data Module Data port interfacing with a data line card	
	ADM M	Small System and CS 1000S Model	
	AHST	All History File	
	APL	Auxiliary Processor Links	
	ATRN	Print Meridian Modular Telephone Transmission parameters	
	AUDT	Audit Trail buffer Only system Administrators are allowed to print the Audit Trail. They must first respond to PWD2 in LD 17 to define the password.	
	CARD	Card data block (used for Automatic Set Relocation)	

Prompt	Response	Comment	Pack/Rel
	CEQU	Common Equipment	
	CFN	Configuration record data block	
	CHID	Channel ID for ISDN Signaling Link (ISL)	
	CINV	Core Inventory list CP PIV data	 basic-4.50
	DCP DSDN	Directed Call Pickup Data Services Directory Number or PTE IS	
	GHT	Group Hunt	
	GRP	Group call	
	IMA	IMS Message Attendant	
	IPWD	Print account type and status: EXPIRED or INSECURE	basic-4.50
	IADN	Individual Attendant Directory Number	
	ISS	Generic version and Issue	
	ISSP	Print System, Patch, and Plug-in information	
	OVLY	Print Overlay area information	
	PARM	System Parameters	
	PHST	Previous History File All History File records since last request	
	PKG	Packages equipped. For a list of packages, refer to pages page 43 or page 55.	
	PKG xxx	Check equipped/restricted status of package number xxx	
	PSWV	Peripheral Software Version(s) downloaded to: NT8D01 Controller cards NT8D04 Network cards NT8D018 Network/Digitone Receiver cards	

Prompt	Response	Comment	Pack/Rel
		Note: The version of peripheral software i.e. PSWV VERSION is not printed here for option 11C. It is printed along with other Small System specific data in LD 143.	
	PWD	Print the system Passwords Print System Passwords, where: System prints the PWD block to the user with the new PSWD_COMP prompt and setting.	basic-4.50
	REF	Loop Reference trunk data	
	RLM RLM M	Release Link Main trunk Small System and CS 1000S Model	
	RLR RLR M	Release Link Remote trunk Small System and CS 1000S Model	
	SCI	Station Category Indication data block	
	SFA	Second level Forwarding Allowed	
	SFD SLL	Second level Forwarding Denied System Loop Limits	
	VAS	Value Added Server data	vns-21
	VHST	View History File	
VHST		View the History File	hist-19
	(%ON) % OFF	Turn ON display features Turn OFF display features This command is used to enable or disable the following three display features: • brackets to surround the current index ([]) • percent symbol (%) preceding each History File line • relative location within the History File (in percentage) VHST accepts abbreviated responses.	

Prompt	Response	Comment	Pack/Rel
	BFIND aaaa	Search backward in the History File This command can be used to search backward, starting at the current index location, for the string “aaaa.” If necessary, the file will wrap until it returns to the same location. The text string can be up to 12 characters. Special characters like space, slash (/), and colon (:) are accepted. Leading or trailing spaces are ignored unless enclosed in double quotes. For example, the spaces denoted here are ignored: <SP><SP>INI<SP>. The spaces in this string, however, are included in the search: “<SP><SP>INI<SP>”. When the string is found, the system displays the current index location. Five text lines are shown, with the middle line containing the sought string. The VHST prompt is re-displayed to allow more command use. If the string is not found, VHST is reprompted to allow more command use.	
	BFIND	Repeats the previous backward search	
	DOWN BOT	Moves to the top of the file	
	DOWN	Move forward 6 lines in the History File This command can be used to move forward in the History File, toward the end. If x exceeds the end of the file, the end will be shown. When the move is complete, VHST is reprompted to allow more command use.	

Prompt	Response	Comment	Pack/Rel
	FIND aaaa	Search Forward in the History File This command can be used to search forward, starting at the current index location, for the string “aaaa.” If necessary, the file will wrap until it returns to the same location. The text string can be up to 12 characters. Special characters like space, slash (/), and colon (:) are accepted. Leading or trailing spaces are ignored unless enclosed in double quotes. For example, the spaces denoted here are ignored: <SP><SP>INI<SP>. The spaces in this string, however, are included in the search: “<SP><SP>INI<SP>”. When the string is found, the system displays the current index location. Five text line are shown, with the middle line containing the sought string. The VHST prompt is re-displayed to allow more command use. If the string is not found, VHST is reprompted to allow more command use.	
	FIND	Repeats the previous forward search	
	HELP	List valid responses	
	NEXT BOT	Moves to the end of the file	
	NEXT x	Move forward x lines in the History File, display all lines in between. This command can be used to view lines forward, toward the end of the file. The lines between the current index location, and the new one (x lines down) are displayed. If you enter only NEXT, the default of 20 lines is used for the move. When the move is complete, VHST is reprompted to allow more command use.	

Prompt	Response	Comment	Pack/Rel
	PREV TOP	Moves to the top of the file	
	PREV x	Move backward x lines in the History File, display all lines in between This command can be used to view lines backward, toward the top of the file. The lines between the current index location, and the new one (x lines up) are displayed. If you enter only PREV, the default of 20 lines is used for the move. When the move is complete, VHST is reprompted to allow more command use.	
	TRF	View the system traffic log file	
	TTYLOG n	View the log file for TTY port n	
	UP TOP	Moves to the top of the file	
	UP	Move backward 6 lines in the History File This command can be used to move backward in the History File, toward the top. If x exceeds the top of the file, the top will be shown. When the move is complete, VHST is reprompted to allow more command use.	

LD 23: Automatic Call Distribution, Management Reports, Message Center

Overlay program 23 allows Automatic Call Distribution (ACD) data, schedules for management reports and Message Center data to be created, modified, or printed.

ACD groups are also used for Meridian Mail and various server applications. When this overlay is loaded the available system memory and disk records are output in a header. Refer to the introduction of this document for details.

License also provides a header to indicate system configuration limits. For LD 23, the header appears as follows:

ACD DNS AVAIL: xxxxx USED: xxxxx TOT: xxxxx

To prevent Virtual Agent information from appearing on ACD-D reports, do not make changes to Virtual Agents. If a change to a Virtual Agent is required, out the agent and rebuild it with REQ = NEW.

Prompts and responses

Contents

Prompt	Response	Comment
REQ:	aaa	Request
TYPE:	a...a	Type of data block (a...a = ACD, ADS, CDN, NACD, or SCB)
CUST	xx	Customer number associated with this data block
ACDN	x...x	ACD Directory Number
CALP	(POS) TER	Calling party identification sent in PCI message
ICDD	(NO) YES	In Calls key Disconnect Deny
MWC	(NO) YES	Message Waiting Center
- IMS	(NO) YES	Integrated Messaging Service
- - CMS	(NO) YES	Command and Status link
- - IMA	(NO) YES	Integrated Messaging Allowed
- - IVMS	(NO) YES	Integrated Voice Messaging System
- - PCMM	(NO) YES	Periodic Clearing with Meridian Mail

- - DNIS	(NO) YES	Dialed Number Identification Service
- - VSID	0-15	Value Added Server ID
- - EES	(NO) YES	End-to-End Signaling
- - APL	0-15	Auxiliary Processor Link number
- - UST	(NO) YES	User Status update
- - VSID	0-15	VAS ID of VAS providing VMS
- - APL	0-15	Auxiliary Processor Link number
- - UMG	(NO) YES	User-to-User Messaging
- - RAN	0-511	RAN route number
- - UMT	2-(6)-15	Update Message Time
AST	(NO) YES	Associated set
DSAC	(NO) YES	Data Services Access Code
- PRIM	(NO) YES	Primary DSAC
- VSID	0-15	Value Added Server ID
ICP	(NO) YES	Intercept Computer Printer
- ICPS	aaa	Intercept Computer Printer Search (aaa = (CIR) or COM)
- ICPR	0-<NIPN>	Intercept Computer Printer
MAXP	xxx	Maximum Positions
SDNB	(NO) YES	Secondary DN Blocking
BSCW	(NO) YES	Block Secondary DN Calls on Walkaway
ISAP	(NO) YES	Integrated Services Application Protocol
ASID	16-31 or (00)	Application service identity from which the acquired message originated
AACQ	(NO) YES	Application Acquired Queue
- VSID	0-15	Value Added Server ID
ALOG	(NO) YES	Automatic Log In
RGAI	(NO) YES	Ring Again for Internal calls
ACAA	(NO) YES	ACD Agent while IDN on-hold Allowed
FRRT	0-511	First RAN route number for ACD
- FRT	0-2044	First RAN Time
SRRT	0-511	Second RAN route number for ACD
- SRT	0-2044	Second RAN Time
NRRT	0-127	Night RAN Route
- NRT	(0)-2044	Night RAN Time

FROA	(NO) YES	First RAN On Arrival
NCFW	x...x	Night Call Forward
FNCF	(NO) YES	Force Night Call Forward to busy ACD DN
CWTT	(0)-40-63	Call Waiting Threshold Time
HMSB	(YES) NO	Hold Make Set Busy (allowed) denied
ACPQ	(NO) YES	Answer Call Priority Queue
FORC	(NO) YES	Force
- FCFT	0-(2)-30	Flexible Call Force Timer
- FADT	(0)-15	Force Answer Delay Time
- FADR	(0)-14	Force Answer Delay timer for Ringback
RTQT	(0)-50	Return to Queue Timer after no answer in number of ringing cycles
RTQO	(NRD) MSB	Return to Queue Option
SPCP	(NO) YES	Separate Post Call Processing
OBTN	aaa	Observation Tone (aaa = (NO), AGT, or ALL)
RAO	aaa	Restricted Agent Observe (aaa = (NO), YES, or FULL)
HSID	0-15	Host ID
CWTH	0-(1)-2047	Calls Waiting Threshold
NCWL	(NO) YES	New Call Waiting Lamp options
- CWLF	(0)-2047	Call Waiting Lamp Flash threshold
- CWLW	(0)-2047	Call Waiting Lamp Wink (fast flash) threshold
BYTH	(0)-204	Busy Threshold
OVTH	0-(2047)	Overflow Threshold
TOFT	2-1800	Timed Overflow Threshold in seconds
HPQ	(NO) YES	High Priority Queue
- OCN	(NO) YES	Oldest Call in Network
OVDN	x...x x...x x...x	Overflow Directory Number(s)
IFDN	x...x	Interflow Directory Number
- BUSY	aaa bbb ccc ddd	Busy treatment
- AENI	(NO) YES	Automatically Enable Interflow
OVBU	aaa bbb ccc ddd	Overflow Busy
EMRT	0-511	Emergency Route
MURT	0-511	Music Route
RTPC	(NO) YES	Real Time Processing

STIO	0, 1, 2, ...15	Status Input/Output devices
TSFT	0-(20)-510	Telephone Service Factor Threshold in seconds
HOML	(NO) YES	Headset Or MSB key Log Out
RDNA	(NO) YES	Restricted DN Access
ACNT	xxxx	Account
NRAC	(NO) YES	Enable Not Ready Activity Codes
- NDFL	xxxx	Not Ready Default code Must be equipped with ACD-D or NGCC package
DAL	(NO) YES	Data Agent Log In with the MSB key allowed
RPRT	(NO) YES	Management reporting and status display
RAGT	2-(4)-30	Reserve Agent
DURT	15-(30)-45	Duration Timer in minutes
RSND	(4)-16	Resend timer
FCTH	10-(20)-100	Flow Control Threshold
CRQS	0-(100)-255	Call Request Queue Size
DNRT	(NO) YES	Delay Night RAN Treatment
CCBA	(NO) YES	Allow Collect Call Blocking Answer signal to be sent
IVR	(NO) YES	Interactive Voice Response queue
- ALOG	(NO) YES	Provide Automatic Login for agents
- TRDN	xxxx	Treatment DN for IVR queue
CWNT	l s c u	Call Waiting Notification TN
CWNC	NO YES	Call Waiting Notification TN control

Prompts and responses by data block

ACD or SCB: Automatic Call Distribution (ACD-D) or Schedule data block

Prompt	Response	Comment
REQ:	aaa	Request
TYPE:	aaa	Type of data block = ACD or SCB (Automatic Call Distribution or Schedule data block for ACD management reports)
CUST	xx	Customer number associated with this data block
CPRD	dd mm dd mm	Collection Period
SHR	0-23	Start Hour
EHR	0-23	Hour of day that data reporting ends
DOW	1-7	Days of Week for data collection
RFRQ	0-7	Frequency that Reports are to be generated
SFRQ	x	Status display update Frequency (1 or 2)
ROPT	1-4	Report Options
PRIO	0-15	Printer(s) for Output
PAGE	(NO) YES	Start at the top of a new page for each report
AID	(NO) YES	Agent ID mode
- IDLB	(1)-9999	Agent ID Lower Boundary
- IDUB	*IDLB*-(9999)	Agent ID Upper Boundary
- LOG	(0)-999	Maximum number of agents that can be logged in at any one time
SRPT	(NO) YES	Short Report option for report 4 (Agent position)
TOT4	(NO) YES	Totals on report 4

ADS: Auxiliary data system data block (includes Multiple Queue Assignment prompts)

Prompt	Response	Comment
REQ:	aaa	Request
TYPE:	ADS	Type of data block = ADS (Auxiliary Data System)
CUST	xx	Customer number associated with this data block
AID	(NO) YES	Agent ID mode
- IDLB	(1)-9999	Agent ID Lower Boundary
- IDUB	*IDLB*-(9999)	Agent ID Upper Boundary
- MQA	(NO) YES	Multiple Queue Assignment
- - MQAS	(NO) YES	Select a Supervisor ID during login
- - MQAP	(NO) YES	Select Priorities during login
- - MQCF	(NO) YES	Automatic Call Forwarding of Phantom TNs to agent sets at login
- - - MCFD	(0)-3	The MQA Call Forwarding Digits attached to the Agent IDs

CDN: Control DN data block (covers prompts for Customer Controlled Routing)

Caution: Corruption results if a CDN is not configured in this overlay *before* that CDN is associated with or represented in an association table script in the CCR module.

Prompt	Response	Comment
REQ:	aaa	Request
TYPE:	CDN	Type of data block = CDN (Control DN)
CUST	xx	Customer number associated with this data block
CDN	x...x	Control DN. The CDN cannot be configured as a mailbox DN.
CDSQ	(NO) YES	Deny or allow Converged Desktop Service queue
FRRT	0-511	First RAN route number for ACD
- FRT	0-2044	First RAN Time

SRRT	0-511	Second RAN Route number for ACD
- SRT	0-2044	Second RAN Time
FROA	(NO) YES	First RAN On Arrival
MURT	0-511	Music Route number
DFDN	x...x	Local Default ACD DN
NAME	(NO) YES	Display CDN name for redirected calls
CMB	(NO) YES	Deny or Allow redirection to Control DN mailbox
CEIL	0-(2047)	CDN Ceiling value
OVFL	(NO) YES	Force Overflow Tone to the call when the ceiling threshold has been exceeded
TDNS	(NO) YES	Is DNIS number an original Called Party
RPRT	(NO) YES	Management reporting and status display
CNTL	(NO) YES	Control DN is in control
VSID	0-15	Value Added Server ID
HSID	0-15	Host ID
CWTH	0-(1)-2047	Calls Waiting Threshold
BYTH	(0)-2047	Busy Threshold
OVTH	0-(2047)	Overflow Threshold
STIO	0, 1, 2, ... 15	Status Input/Output devices
TSFT	0-(20)-510	Telephone Service Factor Threshold in seconds
ACNT	xxxx	Account
UUI	(NO) YES	Use- to-User Information

NACD: Network ACD data block

Network ACD provides ACD capabilities over an Integrated Service Digital Network (ISDN). An NACD system distributes ACD activities between several sites. Connected by ISDN voice and data services, different sites can be physically or geographically separated within the network.

Prompt	Response	Comment
REQ:	aaa	Request
TYPE:	NACD	Type of data block = NACD (Network ACD)
CUST	xx	Customer number associated with this data block
ACDN	xxxx	ACD Directory Number
TABL	(a) s	Day, Night or Source Table (a = Day or Night, s = Source Table)
- OUTS	xxxx xxxx	Routing Table entries to be removed
- TRGT	xxxx tttt	Target ACD DN and the timer in seconds

OBVP: Configure the Observe Password Table

Prompt	Response	Comment
REQ:	aaa	Request
TYPE:	OBVP	Observe Password table
CUST	xx	Customer number associated with this data block
ADPD	xx..xx yy..yy	Supervisor login ID followed by supervisor Observe password (separated by a space)

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
AACQ		Application Acquired Queue	nxcc-22
	(NO)	The ACD DN is not acquired by the application	
	YES	The ACD DN is acquired by the application	
ACAA		Allow ACD calls to an agent on an Individual DN (IDN) Call On Hold	bacd-18
	(NO)	The agent cannot place an IDN Call On Hold, and return to the idle queue.	
	YES	The agent can put an active IDN Call On Hold and press the in-calls to return to the idle agent queue.	
ACDN	x...x	ACD Directory Number Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150	acda-1
ACNT	x...x	Account (Default activity code) Maximum 4 digits (0 through 9). The # and * are not allowed. Prompted if the ADS data block is built, and CNTL = YES.	acdc-13
ACPQ	(NO) YES	Answer Call Priority Queue International Supplementary Features (SUPP) package 131 must be equipped.	supp-15
ADPD	xx..xx yy..yy	Supervisor login ID followed by supervisor Observe password (separated by a space).	oas-3.0
AENI	(NO) YES	Automatically Enable Interflow Prompted when IFDN is defined.	acdb-12
AID	(NO)	Customer will operate in Position ID mode.	acdc-2
	YES	Customer will operate in Agent ID mode.	
ALOG	(NO) YES	Provide Automatic Log In for agents on this DN. Set to YES for Meridian Mail applications. ALOG applies only to Command and Status Link (CMS) and Data Service Access Codes (DSAC). Prompted if IMS or ISAP = YES.	csl-8
APL	0-15	Auxiliary Processor Link number Prompted if IMA = YES. The APL is defined in LD 17.	lnk-2

Prompt	Response	Comment	Pack/Rel
ASID	16-31 or (00)	Application service identity from which the acquired message originated	nxcc-22
AST	(NO) YES	Associated set The Associate Set assignments are performed in LD 10 and LD 11 for each ACD telephone.	iap3p-13
BSCW	(NO) YES	Block Calls to the Secondary DN on Walkaway The caller to the source DN hears busy tone.	bacd-13
BUSY	aaa bbb ccc ddd	Interflow Busy Treatment for different originators Prompted if IFDN is defined. The possible options are: • BSY = caller hears busy tone • SRC = caller is re-linked to source queue Enter BSY or SRC for each of the four different originators: • aaa = Stations • bbb = Attendants • ccc = CO, FEX and WATS trunks • ddd = all other trunk types Defaults if the IFDN is an ACD DN, internal or external DN are: • BSY BSY SRC BSY (3rd entry cannot be changed) Default if the IFDN is an attendant console: • BSY SRC SRC BSY (only the 4th entry can be changed)	acdb-12
BYTH	(0)-2047	Busy Threshold at which the Calls Waiting lamp flashes and this queue ceases to accept overflowed calls. When BYTH = 0, overflow calls are not accepted by this target queue unless an agent is available. To delete existing entry, precede entry with X.	acdb-1

Prompt	Response	Comment	Pack/Rel
CALB	1 2 ...	Call Filter Bitmap CALB applies to messages such as PCI, DN update, etc. This bitmap is downloaded by the application which is used to control the sending of messages on behalf of the acquired TN. A numeric value would only be printed if the corresponding set message is enabled. CALB is printed if AACR = YES.	nxcc-22
CALP	(POS) TER	Calling party identification sent in PCI message, where • POS - Sends the POSID+DNIS in the called Party DN field in the PCI message. • TER - Sends the terminating DN in the called Party DN field in the PCI message.	basic-4.0
CCBA	(NO) YES	Collect Call Blocking Denied Collect Call Blocking Allowed Collect Call Blocking (CCB) package 290 is required.	ccb-21
CDN	x...x	Control DN Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. The CDN cannot be be configured as a mailbox DN.	ear-17
CDSQ	(NO) YES	Deny or allow Converged Desktop Service queue	sip-4.0
CEIL	0-(2047)	CDN Ceiling value CEIL limits the number of unanswered calls a CDN can have at its default ACD DN at a time. New calls receive a busy signal once the ceiling is reached (CO trunks do not receive busy).	ear-17
CMB	(NO) YES	Deny or Allow redirection to Control DN Mailbox, where: • CMB = (NO), For SCCS routed calls, the voice mail would be left against the agent's mailbox. • CMB = Yes, For SCCS routed calls, the voice mail would be left against the SCCS aquired CDN's mailbox.	basic-4.50

Prompt	Response	Comment	Pack/Rel
CMS	(NO) YES	Command and Status link If this ACD DN is to use the CSL, enter YES. Set to YES for Meridian Mail applications.	csl-8
CNTL	(NO) YES	Control DN is in control. When CNTL = NO, CDN calls are sent to the Default ACD DN (DFDN).	ear-17
CPRD	sm sd em ed	Collection Period: Month and day data collection is to start and end. Where: • sm = start month (1-12) • sd = start day of month(1-31) • em = end month (1-12) • ed = end day of month(1-31)	acdc-2
CRQS	0-(100)-255	Call Request Queue Size It is recommended that CRQS be approximately 20% higher than the number of trunks available for networking. If the customer selects the OCN option, set this value at 5% over trunking capacity. This avoids reserving agents for calls on the network when trunking facilities are unavailable. Flow Control (FCTH) is typically set at 25% of the call request queue size. The CRQS must be defined for each ACD DN in the network. CRQS must be greater than FCTH. CRQS = 0 closes the queue.	nacd-15
CUST	xx	Customer number associated with this data block as defined in LD 15.	bacd-1
CWLF	(0)-2047	Call Waiting Lamp Flash threshold Prompted if NCWL = YES. CWLF must be greater than or equal to CWTH	acdb-15
CWLW	(0)-2047	Call Waiting Lamp Wink (fast flash) threshold Prompted if NCWL = YES. CWLW must be greater than or equal to CWLF	acdb-15
CWNC	NO YES	Alert rings for all calls Alert rings for only priority calls CWNC appears when a TN has been entered for CWNT. There is no default.	m911-19

Prompt	Response	Comment	Pack/Rel
CWNT	l s c u	Call Waiting Notification TN • l = (0-255) Systems with Fibre Network Fabric	m911-19 fnf-25
CWTH	0-(1)-2047 0 X	Calls Waiting Threshold: The number of Calls Waiting in queue that triggers the “calls waiting” indication. To disable To delete existing entry.	acdb-1
CWTT	(0)-40-63	ACD Call Waiting Threshold Time (in 1 second intervals)	acnt-15
DAL	(NO) YES	Data Agent Log In with the MSB key allowed The data agent must be defined with a DTA Class of Service in LD 11. DAL is not prompted when IVMS or DSAC are set to “YES”. Prompted if TYPE = SCB or ADS.	acdc-14
DFDN	x...x	Local default ACD DN Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Calls to the CDN are directed to this ACD DN. RAN and Music, if provided, are as defined for the CDN. Any other ACD treatment, such as Night, is applied as if the caller directly dialed the ACD DN.	ear-17
DNIS	(NO) YES	Dialed Number Identification Service Send (do not send) ACD/DNIS information across the link. Not prompted for Virtual Agents.	dnis-12
DNRT	(NO) YES	Delay Night RAN Treatment When DNRT = YES for an ACD DN there is a delay in routing calls to the night RAN. The call is delayed until the call has reached the end of the Night table and there are no outstanding call requests for the call. Prompted if a NACD Night table and a RAN route have been defined.	nacd-15
DOW	1-7	Days of Week for data collection Where: 1 = Sunday and 7 = Saturday	acdc-2
DSAC	(NO) YES	ACD DN is not an IS/Data Service Access Code ACD DN is an IS/Data Service Access Code Prompted when MWC = NO	csl-8

Prompt	Response	Comment	Pack/Rel
DURT	15-(30)-45	Duration Timer (in minutes) DURT indicates how long a Target node honors a call request from the Source node. If the timer expires, the call is removed from the call request queue. If this timer is too large, the network call request queues may become overcrowded. If the timer is too small, waiting customers may be cut off from receiving services. This timer must be defined only for Target queues.	nacd-15
EES	YES (NO)	IVMS uses End-to-End Signaling to send tone. IVMS (does not use) End-to-End Signaling to send tone. Prompted when IMA = YES.	ims-2
EHR	0-23	Hour of day that data reporting ends	acdc-2
EMRT	0-511	Emergency Recorder Trunk Route. The route and at least one trunk must exist before defining EMRT. Enter X to remove.	acdb-1
FADR	(0)-14	Force Answer Delay timer for Ringback Cadence Enter delay time, in increments of two seconds, before call is connected to an agent. This delay timer ensures that a caller, during forced answer, receives at least one ringback cadence before being connected to an agent.	supp-14
FADT	(0)-15	Force Answer Delay Time Enter Delay time, in increments of one second, between calls when Call Forcing is enabled. This delay timer offers an agent a few seconds break before having to answer the next call.	supp-14
FCFT	0-(2)-30	Flexible Call Force Timer (the time in seconds before Flexible Call Force is enforced)	acdb-16

Prompt	Response	Comment	Pack/Rel
FCTH	10-(20)-100	Flow Control Threshold to allow additional calls into the call request queue The Flow Control option opens and closes the ACD DN for network calls. Once the number of Call Requests received over the network meets the call request queue size defined in LD 23, the queue is shut down (INACTIVE) for network calls. For the queue to open for network calls, the pending queue request size must drop to a value equal to the flow calls control. For example, a call request queue size of 50 with a flow control of 10 allows the queue to become inactive after 50 call requests are pending. After 10 calls or 10 Call Requests have been answered or removed, leaving 40 remaining in queue, the queue will reopen.	nacd-15
FNCF	(NO) YES	Force Night Call Forward to busy ACD DN	bacd-15
FORC	(NO) YES	Force Calls are forced to arrive in answered state. When FORC = Yes, the call arrives on Key 0 (in-calls key) in an answered state. Headsets are recommended for this option.	acdb-1
FROA	(NO) YES	First RAN On Arrival (the 1st RAN to be given to incoming calls immediately; FRT time ignored) If FROA = NO, the call is forced to wait FRT time. Recorded Announcement is only given if an idle agent is not found.	acda-1
FRRT	0-511	First RAN Route number for ACD The route and at least one trunk must exist before defining FRRT. Enter X to remove.	acda-1
FRT	0-2044	First RAN Time (the time in seconds allowed before unanswered incoming ACD calls are connected to the first RAN) Prompted if FRRT is defined. If a value is not entered FRT defaults to blank and there is no connection to the RAN.	acda-1
HMSB	(NO) YES	Agent cannot activate Make Set Busy if an ACD call is on-hold Agent can activate Make Set Busy if ACD call is on-hold	basic-9

Prompt	Response	Comment	Pack/Rel
HOML		Handset Removal or Make Set Busy key (MSB key) log out. The HOML option allows an agent to log out by removing the headset or going on hook without using the Make Set Busy (MSB) key. Logout while on Agent Reserve causes a cancellation message.	bacd-1
	(NO) YES	Log out with only the Make Set Busy key Log out with either handset removal or Make Set Busy key activation HOML is prompted if an Auxiliary Data System (ADS) or Schedule Block (SCB) exists.	
HPQ		High Priority Queue (preference given to High Priority trunk calls)	tof-10
	(NO) YES	Calls from the source queue's high priority trunks are presented after another queue's Timed Overflow queue (TOFQ) calls. Calls from the source queue's high priority trunks are presented before another queue's Timed Overflow queue (TOFQ) calls. In an NACD environment, HPQ must be denied to receive the OCN prompt. (HPQ = No)	
HSID	0-15	VAS ID for the Host Application Module Link. When the CCR and ML applications are both running, this HSID is the VSID assigned to the AML for Meridian LInk in LD 17. The VSID prompt in this CDN configuration will match the VSID for the CCR AML port configured in LD 17.	ccr-17
ICDD	(NO) YES	In Calls key Disconnect Deny. Pressing the In Calls key while active on an ACD call disconnects the call.	acd-40
ICP	(NO) YES	Intercept Computer Printer (ACD MC used for Intercept Printer)	icp-14

Prompt	Response	Comment	Pack/Rel
ICPR		Intercept Computer Printer	icp-14
	0-<NIPN>	Printer number (for ICPS = COM); NIPN is defined in LD 15	
ICPS		Intercept Computer Printer Search (when more than one console is used)	icp-14
	(CIR)	Circular search	
	COM	One Common printer for ACD group	
IDLB	(1)-9999	Agent ID Lower Boundary	acdc-19
		This prompt is used with the IDUB prompt to determine the maximum number of agents allowed by the system. The number must be within the parameters set by the IDLB and IDUB prompts.	
		Prompted if TYPE = ADS or SCB and AID = YES	
IDUB	*IDLB*-(9999)	Agent ID Upper Boundary	acdc-19
		This prompt is used with the IDLB prompt to determine the maximum number of agents allowed by the system. The number must be within the parameters set by the IDLB and IDUB prompts.	
		Prompted if TYPE = ADS or SCB and AID = YES	
IFDN	x...x	Interflow Directory Number	acdb-1
		The Interflow Directory Number serves as the DN to which calls interflow. IFDN can be up to 31 digits.	
		Calls diverted to the IFDN are not routed by NACD. Network calls diverted to an IFDN lose all the network information, so that information cannot be displayed on the terminating telephone.	
		A group hunt pilot DN can be entered. If the OPAO package is equipped, then # can be used in this DN.	
	X	To delete existing entry.	
		IFDN and NFCR are affected by the Outpulsing feature for Japan. Refer to the Feature Description in *Features and Services* (553-3001-306) for details.	
		Typing four asterisks (****) at the IFDN prompt will not let the user exit Overlay 23.	

Prompt	Response	Comment	Pack/Rel
IMA	(NO) YES	Integrated Messaging Allowed (ACD DN assigned to IMS) Set to YES for Meridian Mail applications.	ims-2
IMS	(NO) YES	Integrated Messaging Service Set to YES for Meridian Mail applications. IMA must be set to Yes in LD 15.	ims-2
ISAP	(NO) YES	Integrated Services Application Protocol (ACD messages sent across the ISDN/AP link) Set to YES for Meridian Mail applications.	ani-15
IVMS	(NO) YES	Integrated Voice Messaging System Set to YES for Meridian Mail applications.	ivms-2
IVR	(NO) YES	Interactive Voice Response queue An ACD queue must be defined as an IVR queue before the Treatment Request for IVR command can be used in Customer Controlled Routing (CCR) applications.	ivr-18
	(0)-999	Login maximum (the maximum number of agents that can be logged in at any one time)	acdc-18
LOG	(0)-999	Login maximum (the maximum number of agents that can be logged in at any one time)	acdc-18
MAXP	1-120	Maximum Number of Agent Positions. The value of the MAXP can be increased to the allowed maximum or decreased to the current number agents.	acda-1
MCFD		Multiple Queue Assignment (MQA) Call Forwarding Digits attached to Agent IDs. The digits are used to determine which Phantom TNs are Call Forwarded. MCFD is prompted if MQCF = YES.	mqa-21
	(0) 1-3 X	No digits attached to Agent IDs Limit of digits attached to Agent IDs. Maximum is 3. No digits attached to Agent IDs	
MQA		Multiple Queue Assignment	mqa-21
	(NO) YES	No Multiple Queue Assignment functionality Multiple Queue Assignment functionality MQA is prompted if AID = YES and MQA package 297 is equipped. Warning: The HSL link must be disabled before you configure or change MQA.	

Prompt	Response	Comment	Pack/Rel
MQAP		MQA Priority option	mqa-21
	(NO)	No Priorities selected during login	
	YES	Select Priorities during login Prompted if MQA = YES and Priority Agent package 116 is equipped.	
MQAS		Multiple Queue Assignment Supervisor ID option	mqa-21
	(NO)	No Supervisor ID during login	
	YES	Select a Supervisor ID during login Prompted if MQA = YES.	
MQCF		Multiple Queue Assignment Call Forward option	mqa-21
	(NO)	No automatic Call Forwarding of Phantom TNs to agent sets at login	
	YES	Automatic Call Forwarding of Phantom TNs to agent sets at login Prompted if MQA = YES and Phantom TN package 254 is equipped.	
MURT	0-511	Music Route number The route and at least one trunk must exist before defining MURT. Enter X to remove.	acdb-1
MWC	(NO) YES	Message Waiting Center (ACD DN is a message center DN) MWC is set to YES for Meridian Mail applications. Prompted if Message Waiting Center (MWC) package 46 is equipped.	mwc-1
NAME	(NO) YES	Display CDN name for redirected calls	basic-4.0

Prompt	Response	Comment	Pack/Rel
NCFW	x...x	Night Call Forward DN for ACD calls (up to 23 digits) and Operator Revert DN for Meridian Mail (IMS, IVMS). NCFW is tracked on reports as interflow. NCFW can be up to 31 digits. Precede NCFW entry with X to delete. Typing four asterisks (****) at the NCFW prompt will not let the user exit Overlay 23 with package OPAO enabled.	acda-1
NCWL	(NO) YES	New Call Waiting Lamp options When NCWL = YES, the Busy Threshold and Overflow Threshold apply only to Overflow by Number and Interflow conditions, but do not change the lamp states. Calls in the Call Request and Local Flow-in queues are included when adding up the calls in queue for lamp state updates.	acdb-15
NDFL	xxxx	Not Ready Default code Must be equipped with ACD-D or NGCC package	acdd-24
NRAC	(NO) YES	Enable Not Ready Activity Codes	acdd-24
NRRT	0-511	Night RAN Route number assigned as night announcement for ACD calls. If NRRT and NCFW are both defined, then NRRT course first. The route and at least one trunk must exist before defining NRRT. Enter X to remove.	acda-1
NRT	(0)-2044	Night RAN Time This is the time in seconds - in increments of 1 - before RAN is connected to ACD calls. NRT is prompted if NRRT is defined and International Supplementary Features (SUPP) package 131 is equipped.	supp-9
OBSC	(NO) YES	Login/Logout control.	oas-3.0
OBPT	xx	Supervisor Inactivity Timer, in minutes (Default = 5, Minimum = 2, Maximum = 99)	oas-3.0
OBTN	(NO) AGT ALL	No Observation Tone given Audible Observe Tone to Agent only Audible Observe Tone to all parties	acdb-1

Prompt	Response	Comment	Pack/Rel
OCN	(NO) YES	Accept Oldest Call in Network This feature determines if the oldest call in the network is answered ahead of calls to the Source location. Use caution with this feature. Because agents are reserved for network calls, agents may remain idle while calls wait in the local queue. To avoid reserving all the agents for network calls, split the ACD group into two areas: one area for all calls and the second area for a group of agents equal to the number of tie lines between the network locations. This solution allows local calls to overflow by time into the area for all calls. The OCN option must be defined only for Target queues. When OCN = YES and HPQ = NO, the system compares calls from queues for that target ACD DN. The highest priority call that has waited the longest is the call presented to the next available agent. When OCN = NO and HPQ = NO, the system selects the oldest call from the ACD DN's own Timed Overflow (TOF) queue. If there are no calls in the Source Timed Overflow queue, the system looks at calls in the Call Request queue and Source Timed Local Flow-in queue. When OCN = NO and HPQ = YES, the system presents calls from the agent's own TOF queue and High-Priority queues before presenting calls from Source TOF queues and Call Request queues. OCN is prompted if Network Automatic Call Distribution (NACD) package 207 equipped.	nacd-15
OUTS	xxxx xxxx	Routing Table entries to be removed Up to 20 entries at a time can be removed from the Enhanced Overflow (EOVF) or Network ACD (NACD) routing tables. Only 5 entries can be entered at OUTS at a time. OUTS is prompted until just <CR> is entered. Prompted if REQ = CHG. Remove routing tables by list entry number, not by ACD DN. Print the NACD data to see the ACD DN associated with each entry number.	nacd-15

Prompt	Response	Comment	Pack/Rel
OVBU	aaa bbb ccc ddd	Overflow Busy treatment for specific call originator types when IFDN not defined. Enter the required treatment for Overflow calls: • LNK = caller is re-linked to source queue (the default value) • BSY = caller hears busy tone Enter all four entries at the same appearance. Enter LNK or BSY for each of the four different originators: • aaa = Internal calls • bbb = Attendant calls • ccc = LNK • ddd = DID and TIE trunks If busy tone is configured for CO trunk calls, the calling or called party will be billed for the duration of the call, which is from the time the PBX returns answer supervision until the time the calling party disconnects. BSY is not allowed for CO trunks. Prompted if there is no entry for IFDN.	acdb-16
OVDN	x...x x...x x...x	Overflow ACD Directory Number(s) (maximum of three responses) Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. X To remove ALL OVDNs for the ACD DN Xxxxx To delete a specific DN. Any new entry replaces the old data. The Overflow DN cannot be a CDN.	acdb-1
OVFL	(NO) YES	Overflow Tone Busy tone will be given to call Force overflow tone will be given to call by Mobility switch OVFL is prompted when a call arrives at a Controlled DN in default mode and when that call has exceeded the CDN-to-a-default-ACD-DN ceiling threshold.	basic-20

Prompt	Response	Comment	Pack/Rel
OVTH	0-(2047)	Overflow Threshold OVTH represents the value at which the Calls Waiting lamp winks (Fast flashes), causing calls which are entering the queue to overflow. When OVTH = 0 overflow is attempted when all agents are busy. Enter X to delete existing entry.	acdb-1
PAGE	(NO) YES	Start at the top of a new page for each report	acdc-2
PCMM	(NO) YES	Periodic Clearing with Meridian Mail Prompted if OPT = PCMA in LD 15	nas-14
PRIM	(NO) YES	Primary DSAC	csl-8
PRIO	0-15	Printer(s) for Output (establish the number(s) of devices used for output of reports) These output devices must have been defined in LD 17 as ACD printers. Precede with X to remove a device number.	acdc-2
RAGT	2-(4)-30	Number of seconds an agent in a remote target is reserved for an overflow call. The Reserve Agent Timer keeps the agent reserved until call presentation or timeout. The timer also prevents a situation where an agent may be reserved indefinitely. When an agent is reserved with Countdown Allowed (CNTA) CLS as defined in LD 11, the RAGT countdown is shown on the agent's Digit Display. The agent being reserved has a Reserve Agent Timer with countdown display. The countdown display starts when the Reserve Agent Timer (RAGT) starts, and counts down by increments of 2 seconds, to zero. If the call is not presented to the Target agent before the Reserve Agent Timer (RAGT) expires, that call remains at the originating Source queue. The Target agent is returned to the idle agent queue.	nacd-15

Prompt	Response	Comment	Pack/Rel
		If the Reserve Agent Timer is set too high, the agent is reserved waiting for calls. If the Reserve Agent Timer is set too low, the agent may be freed before the network facility can set up the call. Different timer settings can be tried through Load Management. Subsequent calls are presented to agents only after the Reserve Agent Timer has expired. The RAGT must be defined only for Target queues.	
RAN	0-511	Recorded Announcement Trunk Route Number for calls entering message queue (default NO RAN)	acda-1
RAO		Restricted Agent Observe	
	(NO)	Restricted Agent Observe on logout disabled	
	YES	Restricted Agent Observe on logout enabled	
	FULL	Restrict the supervisor from observing any of agents IDN calls even when logged in	
RDNA		Restricted DN Access	acdc-1
	(NO)	Enter NO if use of DN keys is to be allowed without logging in.	
	YES	Enter YES to restrict agents from making outgoing calls when not logged in. Prompted if an Auxiliary Data System (ADS) or Schedule Block (SCB) exists.	
REQ		Request	bacd-18
	CHG	Change existing data Select OUT followed by NEW, instead of CHG when switching resources between virtual and actual ACD DNs to avoid unwanted information on ACD-D reports.	
	DACR	De-acquire ACD Queue and CDN resources	

Prompt	Response	Comment	Pack/Rel
	END	Exit Overlay program	
	LST	List ACD DNs (This includes ACD DNs, CDNs and NACD DNs)	
	NEW	Add new data to the system	
	OUT	Remove data block When removing an ACD DN from the Meridian 1 which is monitored by ACD-MAX, the DN is not automatically deleted from the ACD-MAX configuration.	
	PRT	Print the specified data	
RFRQ		Report Frequency. See also ROPT prompt for Report Options.	acdc-2
	0	No reports	
	1	All reports hourly on the hour	
	2	All reports hourly on the half-hour	
	3	All reports half-hourly	
	4	Report 3 every quarter-hour, no other reports.	
	5	Report 3 every quarter-hour, other reports hourly on the hour.	
	6	Report 3 every quarter-hour, other reports hourly on the half-hour.	
	7	Report 3 every quarter-hour, other reports every half-hour	
RGAI	(NO) YES	Ring Again for Internal calls When internal caller dials a queue with no available agents, fast ringback is provided. If RGAI = YES, the caller can activate Ring Again to be presented to the next available agent. Enter YES for Data Service Access Code. (DSAC). RGAI must = YES for DSAC.	acda-8
ROPT		Report Options	acdc-2
	1	Agent group	
	2	Queue	
	3	Trunk routes	
	4	Agent position Precede with X to disable a report. More than one option allowed. Any new entry replaces the old data.	

Prompt	Response	Comment	Pack/Rel
RPRT	(NO) YES	Information about this ACD-DN (or CDN) will be excluded in management reports and status displays. Information about this ACD-DN (or CDN) will be included in management reports and status displays RPRT is prompted only if a SCB or an ADS block exists for this customer. ***Note:*** For release 4.0 and earlier, the default is YES.	acdc-17
RSND	(4)-16	Message Resend timer (in seconds) This is the length of time the Source node waits for a response from the Target node after sending a Call Request message. When the Resend Timer expires, another message is sent. If the second Call Request message expires without a response, the Call Request is removed from the network queue. The Resend Timer should be changed only if the network uses multiple hops and ISL with lower baud rates. A single hop typically requires 100 ms of real time to set up the call. When the Resend Timer is too large, the control function of the timer to limit traffic to busy nodes is lost. If the Resend Timer is too small, the access of calls to nodes may be limited unnecessarily. The Resend Timer must be defined for the Source node and the Target nodes.	nacd-15
RTPC	(NO) YES	Real Time Processing The SAGP Load Management command does not take effect in real time. The SAGP Load Management command takes effect in real time.	supp-9
RTQO	(NRD) MSB	Return to Queue Option Not Ready Make Set Busy	acd-23
RTQT	(0)-50	Return to Queue Timer after no answer in number of ringing cycles	acd-23
SDNB	(NO) YES	Secondary DN Blocking Block calls to the Secondary DN while busy on ACD call.	acdb-12

Prompt	Response	Comment	Pack/Rel
SFNB	1 2 ...	Set Feature Notification Bitmap SFNB is used for messages such as: SFN (login), SFN (logout), ... This bitmap is downloaded by the application which is used to control the sending of SFN messages on behalf of the acquired TN. A numeric value is printed only if the corresponding message is enabled. SFNB is printed if AACR = YES.	nxcc-22
SFRQ	 1 2	Frequency of Status Display updates 30 seconds 60 seconds	acdc-2
SHR	 0-23	Start Hour Hour of day that data reporting starts	acdc-2
SPCP	(NO) YES	Separate Post Call Processing (to enable separate DCP/PCP indication) When SPCP = YES, agents in Post Call Processing (PCP) are separated from agents in Direct Call Processing (DCP). Changing the SPCP option for an ACD DN changes all ACD DNs in the same customer group. Agent (AGT) key lamp states and display (DAG) field on supervisor telephones are affected by SPCP as follows: AGT key lamp steady: • SPCP = YES; agent is on an ACD call • SPCP = NO; agent is on an ACD call or not ready (NRD) AGT key lamp fast flash: • SPCP = YES; agent is on non-ACD call or NRD • SPCP = NO; agent is on non-ACD call	acdb-1

Prompt	Response	Comment	Pack/Rel
		DAG Display ACD DN: • SPCP = YES; displays # of agents on ACD calls • SPCP = NO; displays # of agents on ACD calls or NRD DAG Display non-ACD DN: • SPCP = YES; displays # of agents on non-ACD calls or NRD • SPCP = NO; displays # of agents on non-ACD calls The SPCP option is a customer-wide option. A change to SPCP for any ACD queues affects all ACD queues for that customer.	
SRPT	(NO) YES	Short Report option for report 4 (Agent position) Use the short report when more than one agent, each with a unique agent ID, logs into the same position ID during a report period.	acdc-2
SRRT	0-511	Second RAN Route number for ACD The route and at least one trunk must exist before defining SRRT. Enter X to remove.	acda-1
SRT	0-2044	Second RAN Time Time in seconds before second RAN is connected to ACD calls. Prompted if SRRT is defined. There is no default for SRT.	acda-1
STIO	0, 1, 2,...15	Status Input/Output devices Enter all Input/Output devices assigned for status displays. The device must be first defined in LD 17. Prompted if a Schedule Block (SCB) exits. Enter X to remove.	acdc-2
TABL	x	Table. Where: x = • D = Day Table • N = Night Table • S = Source Table The Day Table is mutually exclusive with TOFT. The Night Table is mutually exclusive with NCFW.	nacd-15

Prompt	Response	Comment	Pack/Rel
TDNS	(NO)	DNIS number is not an original Called Party of a defined CDN queue.	basic-20
	YES	DNIS number is an original Called Party of a defined CDN queue. TDNS = YES is recommended if a CDN is defined for the Mobility Control Point (MCP) application to control a Personal Communication Service (PCS) call.	
TOFT	2-1800	Timed Overflow Threshold (in seconds) Before defining the TOFT value, first delete that OVDN from its Source ACD DN. Then, enter the time, in seconds, that you want a call to wait in queue before it overflows to an OVDN. When REQ = CHG, and the OVDNs are answering TOF calls, an error message is output indicating the affected Target ACD DNs. Enter X to disable the feature. If no value is entered, NONE is printed.	tof-10
TOT4	(NO) YES	Totals on report 4 Averages are output on report 4 (Agent position) Totals are output on report 4 (Agent position) Prompted if ROPT = 4. If TOT4 = YES, HDCP column is output on report 1 and 4. Must have ACD-C enabled.	acdc-10
TRDN	xxxx	Treatment DN for IVR queue A treatment DN does not have to be a valid DN in the switch. If Meridian Mail is to be used for both Voice Messaging and IVR, a Treatment DN should not be the same as any Meridian Mail voice box. Enter X to remove.	ivr-18
TRGT	xxxx tttt	Target. Where: • xxxx = Target ACD DN • tttt = time (0-1800) in seconds Up to 20 target ACD DNs can be defined. For each target, tttt is the total time from the call entering the ACD queue until a call request is sent to the target. TRGT rounds up to an even number.	nacd-15
TSFT	0-(20)-510	Telephone Service Factor Threshold (in seconds) Prompted if a Schedule Block (SCB) exits.	acdc-1

Prompt	Response	Comment	Pack/Rel
TYPE		Type of data block	
	ACD	Automatic Call Distribution data block Requires Basic Automatic Call Distribution (BACD) package 40.	bacd-1
	ADS	Auxiliary Data System data block Requires Automatic Call Distribution Package C (ACDC) package 50. Not valid when REQ = PRT.	acdd-2
	CDN	Control Directory Number data block This is a special DN created to specify a destination ACD DN to which incoming calls are directed. Multiple CDNs can direct calls to the same ACD DN providing different treatments based on the CDN parameters. Requires Enhanced ACD Routing (EAR) package 214.	ear-17
	NACD	Network ACD data block Requires Network Automatic Call Distribution (NACD) package 207.	nacd-15
	OBVP	Observe Password table	oas-3.0
	SCB	Schedule data Block for ACD Management Reports Requires Automatic Call Distribution, Package C (ACDC) package 42.	acdc-2
UMG	(NO) YES	User to User Messaging	ims-2
UMT	2-(6)-15	Update Message Time Silence interval in seconds after message queue alert tone.	ims-2

Prompt	Response	Comment	Pack/Rel
USFB	1 2 ...	Unsolicited Status Message (USM) Filter Bitmap USFB applies to messages such as: • Onhook, Offhook, Ringing, Active, Disconnect, Unringing, Hold, Restore, Ready, Not Ready, Walkaway, Walkaway Return, Reserved, Unreserved, ... This bitmap is downloaded by the application which is used to control the sending of USM messages on behalf of the acquired TN. A numeric value would only be printed if the corresponding message set is enabled. USFB is printed if AACR = YES.	nxcc-22
UST	(NO) YES	User Status update	ims-2
UUI	(NO) YES	Use- to-User Information	uui-3.0
VSID	0-15	Value Added Server ID of VAS providing VMS VASs are external server equipment facilities such as Meridian Mail. Prompted if IMS or ISAP = YES. Must be defined in LD 17.	csl-8

LD 24: Direct Inward System Access

Overlay program 24 allows data for the Direct Inward System Access (DISA) and the Emergency Services Access feature to be created, modified, and printed.

Prompts and responses by gate opener

DIS: Direct Inward System Access (DISA)

Prompt	Response	Comment
REQ:	aaa	Request
TYPE:	DIS	Type of data block = DIS (Direct Inward System)
CUST	xx	Customer number associated with this data block
SPWD	xxxx	Secure data Password
DN	x...x	DISA Directory Number (x...x = 1-7 digit DN
CCBA	(NO) YES	Allow Collect Call Blocking Answer signal to be sent
SCOD	x...x	Security Code
AUTR	(NO) YES	Authorization Code required
TGAR	0-(1)-15	Trunk Group Access Restriction
NCOS	(0)-31	Network Class of Service
COS	aaa	Class of Service (aaa = (CTD), FR1, FR2, FRE, CUN, SRE, TLD, or UNR)
RANR	x...x	Route number for DISA RAN
- RTMR	(0)-10-300	Route timer
DGTS	x...x	Digits for DISA Digit Insertion
- DLNT	(YES) NO	Dial tone needed after digit insertion
CRCS	x	Code Restriction Class of Service

Prompts and responses

ESA: Emergency Services Access Data Block

Prompt	Response	Comment
REQ	aaa	Request
TYPE	ESA	Type of data block = ESA (Emergency Services Access)
CUST	xx	Customer number associated with this data block
ESDN	xxxx	Emergency services Directory Number
ESRT	0-511	Emergency Services Access route number
DDGT	x..x	Directing digits
DFCL	x..x	Default ESA Calling Number
OSDN	x..x	On-Site Notification station DN

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
AUTR	(NO) YES	Authorization Code required If YES, the user enters the authorization code but not the special prefix access code.	disa-7
CCBA	(NO) YES	Collect Call Blocking Denied Collect Call Blocking Allowed Collect Call Blocking (CCB) package 290 is required.	ccb-21
COS	(CTD) CUN FR1 FR2 FRE SRE TLD UNR	Conditionally Toll Denied Class of Service Conditionally Unrestricted Class of Service Fully Restricted class 1 Fully Restricted class 2 Fully Restricted Class of Service Semi-Restricted Class of Service Toll Denied Class of Service Unrestricted Class of Service	disa-1
CRCS	x	Code Restriction Class of Service New Flexible Code Restriction (NFCR) must be activated at least once.	
CUST	xx	Customer number associated with this data block as defined in LD 15.	disa-1
DDGT	x..x	Directing digits (e.g. 1, 11, 911, etc.). Up to 4 digits are accepted. The configured digits are outpulsed as the called number if the outgoing trunk for the ESA call is a CAMA trunk.	esa- 23

Prompt	Response	Comment	Pack/Rel
DFCL	x..x	Default ESA Calling Number. The input must be the following lengths: * On a system that is not FNP packaged, 8 or 11 digits are accepted if the first digit of the input is '1'; otherwise the input must be 7 or 10 digit. * On a system that is FNP packaged, up to 16 digits are allowed to be entered. 'X' deletes the data. Note that the prompt does not expect a CLID entry number.	esa- 23
DGTS	x...x	Digits for DISA Digit Insertion. A maximum of 31 digits can be defined.	dpna-21
	X	Removes existing digits and deactivates DISA Digits Insertion. Direct Private Network Access (DPNA) package 250 is required.	
DLNT	(YES)	Dial tone needed after digit insertion	dpna-21
	NO	Dial tone not needed after digit insertion	
DN	x...x	DISA Directory Number DN (represented in response by "x...x") can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. All trunk routes terminating in DISA must auto-terminate (LD 16 prompt AUTO = YES) and trunks must have ground start signaling (LD 14 prompt SIGL = GRD). The DN must be the same as prompt ATDN in LD 14.	disa-1
ESDN	xxxx	Emergency services DN. Up to 4 digits are accepted.	esa- 23

Prompt	Response	Comment	Pack/Rel
ESRT	0-511	Emergency Services Access route number. Precede with "X'" to delete the data. Route number of the following routes types are accepted as valid input: CAM COT DID FEX TIE WAT The route number of an ISA service route (LD16, ISAR = YES) can be entered for ESRT as long as the route type of the ISA service route is one of the above.	esa- 23
NCOS	(0)-99	Network Class of Service	ncos-1
OSDN	x..x	On-Site Notification station DN. The input must be a valid single appearance internal DN. 'X' deletes the data. The On Site Notification function is dependent on the OSDN to locate and alert the OSN set in the event of an ESA call.	esa- 23
RANR	x...x	Route number for DISA RAN, where: • x...x = 0-511 for Large System and CS 1000E • x...x = 0-127 for Small System, CS 1000S, MG 1000B and MG 1000T	dpna-21
	(X)	Removes existing route and deactivates DISA RAN. This prompt appears with Direct Private Network Access (DPNA) package 250 and Recorded Announcement (RAN) package 7.	

Prompt	Response	Comment	Pack/Rel
REQ		Request	
	CHG	Change existing data block	disa-1
	END	Exit Overlay program	
	NEW	Create a new DISA data block	
	OUT	Remove a DISA data block	
	PRT	Print DISA data block	
RTMR	(0)-10-300	Route Timer	dpna-21
		RTMR = the maximum time (in seconds) that a caller can wait for an available RAN trunk before being removed from the RAN queue. A caller that has failed to capture a RAN trunk during the RTMR time limit will proceed with the call as if DISA RAN has completed. Entering "0" clears the timer and deactivates the DISA RAN timer.	
SCOD	x...x	Security Code (1-8 digit DISA security access code)	disa-1
		The security code can be changed using REQ = CHG, but is only removed by removing the entire DISA data block. Enter X to remove. Entering <CR> = no code or code not changed.	
SPWD	xxxx	Secure Data Password	disa-1
		Prompted only if the password is defined in LD 15. If the password is not entered, the security code will not print when PRT is requested.	
TGAR	0-(1)-15	Trunk Group Access Restriction	disa-1
TYPE		Type of data block	disa-1
	DIS	Direct Inward System data block	
	ESA	Emergency Services Access data block	esa-23

LD 25: Move Data Blocks

Overlay program 25 allows data associated with loops, shelves, or cards to be moved to or interchanged with different loops, shelves, or cards.

The program also allows the data associated with different customers to be moved at the same time as long as all source and destination loops, shelves, and cards are identical for all customers specified.

Move and swap rules

1 Before using MOV or SWP the following hardware should be removed from the system and reconstructed after the MOV is completed:

- Consoles
- Digitone Receivers
- Dial Tone Detectors
- Multifrequency Compelled Signaling (MFC/MFE)
- PRA loops
- ACD telephones
- All lines associated with the loop or card on the destination side

2 Loops must be configured in LD 17.

3 NT8D17 Conference/TDS loop cannot be moved or swapped with LD 25.

4 When moving a card, the units on the source card must match with the card type on the destination side.

Prompts and responses

Prompt	Response	Comment
REQ:	aaa	Request (aaa = END, SWP, or MOV)
CUST	xx xx ... xx	Customer number
SRCL	xxx	Source Loop number from which data is to be moved
SRC	1-50	Source Card for Small System
DSTL	xxx	Loop number Destination to which data is to be moved
DEST	1-50	Destination Card for Small System
SHCD	a...a	Shelf Card (a...a format = ss TO ds *or* ss c TO ds c)
STUN	xx	Starting destination Unit Number
MVSG	(NO) YES	Move Segment
- SHSG	a...a	Shelf Segment (a...a format = ss sseg TO ds dseg)
STSG	0-3	Starting destination Segment

Move and swap rules

Scenario: Move or swap a shelf or card from source loop to destination loop		**DESTINATION**		
		Single density loop (SD)	**Double density loop (DD)**	**Quadruple density loop (4D)**
SOURCE	**Single density loop (SD)**	all cards are SD	all cards are SD	all cards are SD
	Double density loop (DD)	all cards must be SD	cards can be DD or SD	cards can be DD or SD
	Quadruple density loop (4D)	all cards must be SD	cards can be DD or SD	cards can be 4D, DD or SD

Scenario: Move or swap a whole loop from source loop to destination loop		**DESTINATION**		
		Single density loop (SD)	**Double density loop (DD)**	**Quadruple density loop (4D)**
SOURCE	**Single density loop (SD)**	shelf 0-3	if only shelf 0 and/or 1 is config-ured on loop	if only shelf 0 is configured on loop
	Double density loop (DD)	all cards on shelf must be SD	shelf 0-1	if only shelf 0 is configured on loop
	Quadruple density loop (4D)	all cards on loop must be SD	cards can be DD or SD	shelf 0

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
CUST	xx xx ... xx	Customer number Enter the customers affected by the move or swap operation. Customer 0 must be specified to move digitone receivers on the source loop.	basic-1
	<CR>	All customers affected The move/swap superloop data on a customer basis is not supported. Enter a return, (<CR>) when moving or swapping superloop data.	
DEST	1-50	Card number Destination to which data is to be moved (not supported for digital cards). If the loop has D-channel as a backup, REQ = MOV is not supported. For Small System, card 0 is not supported.	basic-1
DSTL	xxx	Loop number Destination to which data is to be moved Where xxx is: • 0-159 • 0-255 Systems with Fibre Network Fabric • 0-9 Small System • 1-9 11-19 21-29 31-39 41-49, Small System for DTI, DTI2, PRI, PRI2 • 11-14, 21-24, 31-34, 41-44 for CS 1000S If the loop has D-channel as a backup, REQ = MOV is not supported.	basic-20 fnf-25 lse-25 basic-1
MVSG	(NO) YES	Move or swap Superloop Segments	basic-15
REQ		Request	
	END	Exit Overlay program.	basic-1
	MOV	Move data associated with an existing loop to a vacant loop (see “Move and swap rules” on page 721). CAUTION: Before using MOV, consoles and digitone receivers should be removed from the database and reconstructed after the move is completed.	

Prompt	Response	Comment	Pack/Rel
		MOV command can be used to move data blocks at a card, shelf or loop level within the following guidelines: 1. Before using the MOV command, the following hardware should be removed from the source and destination loop, shelf or cards and reconstructed after the move is completed. • Consoles • Digitone Receivers • Dial Tone Detectors • Multifrequency Compelled Signalling cards (MFC/MFE) • PRA loops • ACD telephones • All lines associated with the loop or card on the destination side of the move command. 2. Loops must be configured in LD 17 3. NT8D17 Conference/TDS card cannot be moved with LD 25 4. Type of source card must match with the card type on the destination side. 5. Cannot move Superloop data on a customer basis (SCH5235)	basic-25.4
	SWP	Swap (interchange) data associated with existing loops (See “Move and swap rules” on page 721.)	
SHCD		Shelf Card	basic-1
	ss TO ds	Move or interchange data to or between shelves.	
	ss c TO ds c	Move or interchange data to or between cards.	
		Where: • c = card number (0-15) • ss = source shelf • ds = destination shelf Shelf range: • SD = 0-3 • DD = 0-1 • 4D = 0 • 8D = 0-1 (superloops only)	

Prompt	Response	Comment	Pack/Rel
SHSG	ss sseg TO ds dseg	Move/Swap source Shelf Segment to destination Shelf Segment, where: • ss = source shelf • ds = destination shelf • sseg = source segment • dseg = destination segment. The SHSG command is used to move or swap superloop segments.	basic-15
SRC	1-50	Source Card number from which data is to be moved (not supported for digital cards). If the loop has D-channel as a backup, REQ = MOV is not supported. For Small System, card 0 is not supported.	basic-1
SRCL	xxx	Source Loop number from which data is to be moved Where: • xxx = 0-159 • xxx = 0-255 Systems with Fibre Network Fabric • xxx = 0-9 Small System • xxx = 1-9 11-19 21-29 31-39 41-49 Small System for DTI, DTI2, PRI, PRI2 • 11-14, 21-24, 31-34, 41-44 for CS 1000S If the loop has D-channel as a backup, REQ = MOV is not supported.	basic-20 fnf-25 lse-25 basic-1
STSG	0-3	Starting destination Segment For superloops only, if REQ = MOV, enter the starting destination segment to which the shelf is to be moved.	basic-15
STUN	xx	Starting destination Unit Number Enter the starting destination unit number to which the first source unit is to be moved. The source card must not be on a superloop; the destination card must be on a superloop. The value of xx depends on source loop density.	basic-15

Prompt	Response	Comment	Pack/Rel
		For 500/2500 and digital line cards: • SD, xx = 0, 4, 8, 12 • DD, xx = 0, 8 • QD, xx = 0, 8 (8 for digital line cards only) For a Digitone Receiver card the destination density is 8D and the source density is: • SD, xx = 0, 1, 2, 3, 4, 5, 6, 7 • DD, xx = 0, 2, 4, 6 • QD, xx = 0, 4 SD, DD trunk cards cannot be moved to Universal or E&M/Dictation Trunk cards. Different source cards cannot be mixed into Superloop cards with one destination. Only ALC, DLC and DTR can be moved to superloops.	

LD 26: Group Do Not Disturb

Overlay program 26 allows Do Not Disturb groups to be created, modified, and printed.

Prompts and responses

Prompt	Response	Comment
REQ:	aaa	Request
TYPE:	DND	Type of data block = DND (Do Not Disturb Group)
CUST	xx	Customer number associated with this data block
GPNO	0-99	Group Number or new Group Number to be formed
TOGP	0-99	Move to Group number
GRPx	0-99	Number of next Group to be moved
STOR	x...x	DN to be Stored
RMOV	x...x	Remove DN

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
CUST	xx	Customer number associated with this data block as defined in LD 15.	dndg-1
GPNO	0-99 <CR>	Group Number or new Group Number to be formed Print all Group Numbers. Prompted when REQ = PRT.	dndg-1
GRPx	0-99 <CR>	Number of next Group to be moved Proceed to next prompt.	dndg-1
REQ		Action Request	dndg-1
	CHG	Change existing data block.	
	END	Exit Overlay program.	
	MOV	Move a DN from one DND Group data block to another Group data block.	
	MRG	Merge existing Group data blocks into a new Group (the old groups will still exist) data block.	
	NEW	Create a New data block.	
	OUT	Remove data block.	
	PRT	Print DND Group data block.	
	REM	Remove an entry from a Group data block.	
RMOV	x...x	Remove DN Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150.	dndg-1
	G0-G99	Remove Group number	
STOR	x...x	DN to be stored Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150.	dndg-1
	G0-G99	Group number to be stored. Numbers may be added when REQ is CHG.	
TOGP	0-99	Move To Group number	dndg-1
TYPE	DND	DND Group data block type	dndg-1

LD 27: ISDN Basic Rate Interface (BRI) Administration

Overlay program 27 was introduced to configure ISDN Basic Rate Interface hardware.

If ISDN BRI is being configured for the first time, the following sequence must be used:

1 Configure Protocol group (PROT) data block, Link Access Protocol on D-channel (LAPD) data block.

2 Configure PRI loop, route, and channel data blocks for packet data transmission.

3 Configure Multi-purpose ISDN Signaling Processor (MISP) data block.

4 Configure Basic Rate Signaling Concentrator.

5 Configure S/T Interface Line Card (SILC) or U Interface Line Card (UILC) data block.

6 Configure Digital Subscriber Loop (DSL) data block.

7 Configure Terminal Service Profile on DSL (TSP) data block.

If changing the existing ISDN BRI service this sequence does not have to be followed, but the relationship of one data block to another must be observed. Due to interactions the changing of one data block may require the changing of other data blocks.

Refer to the *ISDN BRI Administration* NTP for complete details.

Prompts and responses

Contents

BRSC: Basic Rate Signaling Concentrator data block

Prompt	Response	Comment
REQ	aaa	Request
TYPE	BRSC	Type of data block = BRSC (Basic Rate Signaling Concentrator)
BRSC	l s c	Basic Rate Signaling Concentrator card
MISP	x...x	MISP loop number for Large System and CS 1000E; SISP card slot for Small Systems, CS 1000S, MG 1000B, and MG 1000Ts
DPSD	(NO) YES	D-channel Packet Switched Data
- MPHC	(YES) NO	Switch Route D-channel packet data to (Meridian Packet Handler) or public switched packet data network
- MPH	l	Meridian Packet Handler loop
- PRI_CH	l ch	PRI for Packet Handler and BRSC connections

CARD: SILC/UILC card data block

The S/T Interface Line Card (SILC) or U Interface Line Card (UILC) configuration procedures identify the location, the card type, and the MISP network loop for each SILC or UILC installed.

- in the Large System Intelligent Peripheral Equipment (IPE) and Common Equipment (CE) Modules
- in a card slot for each SILC or UILC installed in the Base or Expansion cabinet of a Small System
- in a card slot for each SILC or UILC installed in a MG 1000S of a CS 1000S system.

After the card configuration block is created, the dedicated D-channels are automatically assigned if the MISP is enabled. When REQ = PRT, entering <CR> at the TN prompt prints out information for all the cards in the system.

Prompt	Response	Comment
REQ	aaa	Request
TYPE	CARD	Type of data block = CARD (SILC/UILC)
TN	l s c u	Terminal Number of SILC or UILC
MISP	x...x	MISP loop number for Large System and CS 1000E; SISP card slot for Small Systems, CS 1000S, MG 1000B, and MG 1000T
CTYP	aaaa	Card Type (aaaa = SILC or UILC)

DNAT: Data Network Address Tables data block

Prompt	Response	Comment
REQ	aaa	Request
TYPE	DNAT	Type of data block = DNAT (Data Network Address Table)
DNAT	1-32	DNA Table to print
DNIC	xxxx	Data Network Identification Code
NTN	x...x	Network Terminal Number

DSL: Digital Subscriber Loop data block (APPL = BRIT or BRIE)

Prompt	Response	Comment
REQ	aaa	Request
TYPE	DSL	Type of data block = DSL (Digital Subscriber Loop)
DSL	l s c dsl	Digital Subscriber Loop address
DES	d...d	DSL Designator (1 to 6 alphanumeric characters)
APPL	aaaa	Basic Rate Interface (aaa = BRIT or BRIE)
- ISDN_MCNT		
	60-(300)-350	Layer 3 call control message count per 5 second time interval.
CUST	xx	Customer number associated with this function
CTYP	aaaa	Card Type (aaaa = SILC or UILC)
MISP	x...x	MISP loop number for Large System and CS 1000E; SISP card slot for SSmall Systems, CS 1000S, MG 1000B, and MG 1000T
MODE	aa	Mode for DSL (aa = (TE) or NT)
- MTFM	(NO) YES	Multi-Frame Mode
TKTP	aaa	Trunk Type (aaa = TIE, COT, and DID)
CLOK	(NO) YES	Clock source
- TSET	0-15	Threshold Set for clock errors
PDCA	1-16	Pad Category table (defined in LD 73)
ROUT	0-511	Route number for the Trunk DSL
TIMR	(NO) YES	Change Timer values
- T310	10-(30)-60	T310 Timer value in seconds
	110-(120)	T310 Timer range for PRI, PRI2, and BRI trunks
B1	(NO) YES	Change B-channel 1 configuration
- MEMB	1-510	Member number of BRI route
- TGAR	0-(1)-31	Trunk Group Access Restriction number
- NCOS	(0)-99	Network Class of Service
- CLS	aaa	Class of Service (CLS responses begin on page 744)
B2	(NO) YES	B-channel 2

- MEMB	1-510	Member number of BRI route
- TGAR	0-(1)-31	Trunk Group Access Restriction number
- NCOS	(0)-99	Network Class of Service
- CLS	aaa	Class of Service (CLS responses begin on page 744)

LAPB: Link Access Procedure - Balanced data block

The Link Access Protocol for B-channels defines the B-channel packet data configuration. Meridian 1 Packet Handler (MPH) package 248 must be equipped.

Prompt	Response	Comment
REQ	aaa	Request
TYPE	LAPB	Type of data block = LAPB (Link Access Procedure - Balance)
PGPN	0-15	Protocol Group Number
USER	(NO) YES	Print groups selected at PGPN prompt
LAPB	(NO) YES	Change Link Access Protocol for B-channels
- T1	2-(6)-130	Response Timer in units of 0.5 seconds
- T2	1-(4)-129	Maximum frame delay in units of 0.5 seconds
- T3	xxx	Idle Timer in units of 0.5 seconds (xxx = 0 or 3-(12)-131)
- N1	23-(135)- 263	Maximum I-frame size in octets
- N2	1-(10)-15	Maximum number of retries
- K	(1)-7	Window size

MISP: Multipurpose ISDN Signaling Processor data block

The Multi-purpose ISDN Signaling Processor (MISP) configuration procedures identify each MISP in the system and its packet handling capabilities. After the MISP is configured it can be enabled using LD 32. An MISP can support any combination of SILCs and UILCs up to a total of four, which are assigned to the MISP using the SILC/UILC configuration procedure.

When REQ = PRT, entering <CR> at the LOOP prompt prints out all MISPs in the system. When REQ = CHG, the following applies:

— MISP must be disabled when adding/removing D-channel packet capability

— remove Packet Mode Data call type B-channels before removing the B-channel packet capability

— remove Logical Terminal Identifiers (LTIDs) before removing the D-channel packet capability

Prompt	Response	Comment
REQ	aaa	Request
TYPE	MISP	Type of data block = MISP
LOOP	0, 2, 4...158	MISP/SISP loop number
CARD	1-9	SISP card slot number (valid only for Small Systems, CS 1000S, MG 1000B, and MG 1000T)
APPL	a...a	Application (a...a = BRI, BRIE, BRIL, or MPH)
PH	a...a	Packet Handler (a...a = DCH, BCH, or BDCH)
- PRI	0, 2, 4...158	Primary Rate Interface
- CH	xx	Channel number
DPSD	(NO) YES	D-channel Packet Switched Data
- MPHC	(YES) NO	Route D-channel packet switched data to the Meridian Packet Handler.
- TN	l s c u	Terminal Number
PRFX	0-9	DNA table Prefix
NTNO	(YES) NO	Public Switched Packet Data Network presentation

DNIC	xxxx	Data Network Identification Code
NWIF	1-3	MPH Network Interface identifier
- TN	l s c u	Terminal Number
- RATE	(64) 56	PSDN communication Rate
- LAPB	(NO) YES	Change LAPB parameters
- X25P	(YES) NO	Change X.25 parameters
- PVC	n1 n2	Permanent Virtual Circuit Logical Channel number range
- IC	n1 n2	Incoming Logical Channel number range
- TC	n1 n2	Two-way Logical Channel number range
- OC	n1 n2	Outgoing Logical Channel number range
- DNAT	1-32	DNA Table to print

PVC: Permanent virtual circuit connections data block

Prompt	Response	Comment
REQ	aaa	Request
TYPE	PVC	Type of data block = PVC (Permanent virtual circuit connections)
MPH	loop	Meridian Packet Handler loop
PVCN	1-4	Permanent Virtual Circuit Number
XPVC	(YES) NO	External or internal PVC connection
- NWIF	1-3	MPH Network Interface identifier
NTN1	x...x	First Permanent Virtual Circuit connection to the NTN
LCN1	1-4095	Permanent Virtual Circuit Logical Channel number for NT1
NTN2	xx . . . xx	Second Permanent Virtual Circuit connection to the NTN
LCN2	1-4095	Permanent Virtual Circuit Logical Channel number for NT2

PROT or LAPD: Protocol or Link Access Protocol data block

The protocol configuration procedures define the protocols used by ISDN BRI DSLs to communicate over ISDN. These protocol groups support various ISDN communication standards used in North America, Europe, and other continents and countries.

Prompt	Response	Comment
REQ	aaa	Request
TYPE	PROT	Type of data block = PROT or LAPD (Protocol group or Link Access Protocol on D-channel)
PGPN	0-15	Protocol Group Number
LAPD	(NO) YES	Change Link Access Protocol for D-channels
USER	(NO) YES	Print groups selected at PGPN prompt
- T200	(2)-40	Retransmission Timer in increments of 0.5 seconds
- T203	4-(20)-80	Maximum Time between transmission frames
- N200	1-(3)-8	Maximum Number of retransmissions
- N201	4-(260)	Maximum Number of contiguous octets or bytes in information element
- K	(1)-32	Maximum number of outstanding Negative Acknowledgment (NAKs)
- N2X4	0-(10)-20	Number of Status Inquiries when Remote Station is in peer busy for 1TR6
PGPN	<CR>	This prompt is repeated until <CR> is entered.

TSP: Terminal Service Profile data block

The Terminal Service Profile (TSP) configuration procedures define the service profiles for ISDN BRI terminals connected to a DSL. A service profile specifies the type of transmission, the call restrictions, and the features the terminal can use.

Prompt	Response	Comment
REQ	aaa	Request
TYPE	TSP	Type of data block = TSP (Terminal Service Profile)
DSL	l s c dsl	Digital Subscriber Loop address
OPT	a...a	Options (a...a = DN, DNS, SPID, SUID, or USID)
USID	(0)-15	User Service Identifier
MPHC	(YES) NO	Route D-channel packet switched data to the Meridian Packet Handler
- SPID	a...a	Service Profile Identifier
TRMT	a	Terminating Type (D or B)
TEI	0-63	Static TEI for addressing terminal
BCH	x	Terminal Service Profile association (x = 1 or 2)
- LAPB	(NO) YES	Change LAPB parameters
- X25P	(YES) NO	Change X.25 Parameters
- NTN	x...x	Network Terminal Number
- PVC	n1 n2	Permanent Virtual Circuit Logical Channel number range
- IC	n1 n2	Incoming Logical Channel number range
- TC	n1 n2	Two-way Logical Channel number range
- OC	n1 n2	Outgoing Logical Channel number range
CDR	(NO) YES	Internal CDR
FEATID	aaa mmm nnn	Feature ID association
SSRV_NI	aaa mmm nnn	NI-1 Supplementary Service
SUPL_SVC	aaa	Supplementary Services (aaa = AO3 or AO6)
DN	x..x yyyy	Directory Number (x..x) and CLID table entry (yyyy)
- CT	aaa	Call Types for the DN (aaa = VCE or DTA)

- MCAL	1-(4)-8	Maximum Calls allowed per DN
- CLIP	(YES) NO	Calling Line Identification Presentation for incoming calls
- PRES	(YES) NO	Presentation of CLID to far-end on outgoing calls
- ANIE	(0)-n	ANI Entry
COLP	(NO) YES	Connected Line Identification Presentation
TRANS	(NO) YES	Transparent presentation of COLP, CLID coming from S0 terminal without presentation option
FEAT	a...a	Features (FEAT responses begin on page 748)
SSRV_ETSI	aaa mmm nnn	Supplementary Service
DFDN	x…x	Default Directory Number

X25P: X25P packet protocol parameters data block

Prompt	Response	Comment
REQ	aaa	Request
TYPE	X25P	Type of data block = X25P (X.25 packet protocol parameters)
PGPN	0-15	LAPB Protocol Group Number
X25P	(YES) NO	Change X.25 Parameters
- T10/T20	15-(180)-930	Request restart Timer in 1 second units
- T11/T21	15-(180)-930	Call request Timer in 1 second units
- T12/T22	15-(180)-930	Reset request Timer in 1 second units
- T13/T23	0-15-(180)-930	Clear request Timer in 1 second units
- PSIZ	xxx	Default Packet Transmission Size in octets (xxx = 16, 32, 64, (128), or 256)
- WSIZ	1-(2)-7	Default Transmit Window Size in octets

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
ANIE	(0)-n	ANI Entry Where n=S_SIZE in customer data block. If ANIE=0, no entry is associated with the DN key. If ANIE is from 1-N: If ANIC=YES for the outgoing CIS route where the call takes place, then the components of the ANI message are retrieved from the ANI entry in Customer Data Block, if configured.	cist-24
APPL		Application	bri-19
	(BRI)	Basic Rate Interface if Integrated Service Digital Network BRI Trunk Access (BRIT) package 233 and Basic Rate Interface Line Application (BRIL) package 235 not equipped.	
	BRIE	Basic Rate Interface protocol engine BRIE supports the QSIG and EURO ISDN interfaces and requires BRIT package 233. Any changes in the DSL route has to match the BRIE loadware application. To configure the appropriate application for the DSL, the required application must be entered here. To add or delete an application, the MISP must be in a disabled state. To delete an application, all associated DSLs must be removed first. Precede with an X to remove.	brit-20
	BRIL	Basic Rate Interface Line APPL will default to BRIL if BRIL package 235 is equipped. Otherwise, BRIT will be the default.	
	BRIT	Basic Rate Interface Trunk BRIT supports SL-1, Numeris and 1TR6 interface. APPL will default to BRIL if BRIL package 235 is equipped. Otherwise BRIT will be the default. BRIT package 233 is required.	

Prompt	Response	Comment	Pack/Rel
	MOB MPH	Mobility Routing Application Meridian Packet Handler BRIL and MPH cannot operate on the same MISP. MPH can only be deleted if there are none of the following: • no D-channel packet data separators • no B-channel or D-channel terminals • no network interface • no PVC connections	
B1	(NO) YES	Change B-channel 1 configuration When REQ = NEW B1 will not be prompted.	bri-18
B1CT		B-channel 1 Call Type	bri-19
	(VCE) (DTA) PMD IPD	Circuit switched Voice Circuit switched Data Packet Mode Data B-channel Packet Data with MPH For PMD the B-channel packet data must have been specified at the PH prompt during the MISP configuration procedure. PMD cannot be selected simultaneously with VCE and/or DTA. Precede with X to remove.	
B2	(NO) YES	Change B-channel 2 configuration. When REQ = NEW and B2 = NO, all B1 parameters except for MEMB will be used as default. When REQ = CHG, BS = NO and a change was made to ROUT on B1, all parameters will remain unchanged except for the route member number, which will be an unused member. A message will be output to inform the user of the new member number assigned.	bri-18

Prompt	Response	Comment	Pack/Rel
B2CT		B-channel 2 Call Type	bri-19
	(VCE) (DTA) PMD	Circuit switched Voice Circuit switched Data Packet Mode Data	
		For PMD, the B-channel packet data must have been specified at the PH prompt during the MISP configuration procedure. PMD cannot be selected simultaneously with VCE and/or DTA.	
	IPD	B-channel Packet Data with MPH	
		Precede with X to remove.	
BCH	1 2	TSP associated with the B1 DSL Channel TSP associated with the B2 DSL Channel	bri-19
BRSC	l s c	Basic Rate Signaling Concentrator Only 1 BRSC card can be enabled on a single IPE shelf.	bri-19
		• loop = (0-254) Systems with Fibre Network Fabric	fnf-25
CAC	0-(3)-9	Commonwealth of Independent States Automatic Number Information category code Allowed with Commonwealth of Independent States-Three Wire Analog Trunk (CIST) package 221.	cist-21
CAC	(0) - 10	Multifrequency Compelled Signaling (MFC) CNI Category Code Allowed with Multifrequency Compelled Signaling (MFC) package 128.	mfc-9
CAC_CIS	0-(3)-9	CIS ANI category code	cist-24
CAC_MFC	(0)-10	MFC CNI Category Code	cist-24
CARD	1-9	Card slot for Small Systems, CS 1000S, MG 1000B, and MG 1000T ISDN Signalling Processor (SISP). CARD applies exclusively to Small Systems, CS 1000S, MG 1000B, and MG 1000T.	qsig-22

Prompt	Response	Comment	Pack/Rel
CDR	(NO) YES	Turn off Internal Call Detail Recording Turn on Internal Call Detail Recording	bri-19
CH	1-23 1-30	Channel number for PRI Channel number for PRI2 This channel carries D-channel packet data between the MISP and the packet handler. The PRI route and channel must have already been defined in LD 16 and LD 14. Prompted if PH = DCH or BDCH.	bri-18
CLIP	(YES) NO	Calling Line Identification Presentation for incoming calls.	bri-18
CLOK	(NO) YES	Clock source. Prompted if the following conditions are met: • CTYP = SILC • DSL = 0 or 1 (card dsl number) • MODE = TE For Option 11C, the SILC must reside in slot 1-10 of the base cabinet. For CS 1000S, the SILC must reside in slot 1-4 of the MG 1000S	bri-18 basic-1
CLS		Class of Service You can enter more than one Class of Service by separating each entry with a space.	
	(ABDD) ABDA	Abandoned call record and time to answer Denied Abandoned call record and time to answer Allowed	fcdr-18
	(APN) APY	ACD Priority not allowed ACD Priority allowed	dpnss-16
	(BRTD) BRTA	Brent Denied Brent Allowed	basic-3.0
	(CDMD) CDMA	CDMD denies external station activity records to be generated for the set CDMA allows external station activity records to be generated for the set	mct-20
	(DNAA)	DN of the key that makes the call used in ANI messages.	cist-21

Prompt	Response	Comment	Pack/Rel
	DNAD	Outgoing CDT/CDTI2 ANDN used as DN in ANI messages. Commonwealth of Independent States - Three Wire Analog Trunk (CIST) package 221 is required.	
	(ICDD) ICDA	Internal Call Detail Recording Denied Internal Call Detail Recording Allowed	bri-20
	(MRD) MRA	Message Restriction Denied Message Restriction Allowed	mr-10
	(PGND) PGNA	Deny PAGENET access Allow PAGENET access	pagenet-22
	(PRMD) PRMA	Deny MLPP Alternate Party Preemption Allow MLPP Alternate Party Preemption	atvn-25.47
	(THFD) THFA	Centrex Switchhook Flash (THF) Denied Centrex Switchhook Flash (THF) Allowed	ipra-21
	(UDI) RDI	Unrestricted DID Restricted DID	supp-10
	(CTD) CUN FR1 FR2 FRE SRE TLD UNR	Conditionally Toll Denied (valid for TIE trunks only) Conditionally Unrestricted (valid for TIE trunks only) Fully Restricted Class 1 (valid for TIE trunks only) Fully Restricted Class 2 (valid for TIE trunks only) Fully Restricted (valid for TIE trunks only) Semi-Restricted (valid for TIE trunks only) Toll Denied (valid for TIE trunks only) Unrestricted	
COLP		Connected Line Identification Presentation	bril-22
	(NO)	Optional CONNECTED NUMBER IE and optional connected subaddress IE are not passed from M1 to S0	
	YES	Optional CONNECTED NUMBER IE and optional CONNECTED SUB-ADDRESS IE are passed from M1 to S0	
CT	VCE DTA	Circuit switched Voice Call Type for the DN Circuit switched Data Call Type for the DN	bri-18

Prompt	Response	Comment	Pack/Rel
		One or more call types can be entered by separating each entry with a space. The call types entered must have been specified for the B1CT and B2CT prompts during the DSL configuration procedures. Precede with X to remove.	
CTYP	SILC UILC	S/T Interface Line Card Type U Interface Line Card Type This prompt is displayed only if the S/T (SILC) or U(UILC) Interface Line Card has not been previously configured or when configuring another DSL on the same SILC/UILC.	bri-18
CUST	xx	Customer number associated with this function as defined in LD 15.	bri-18
DES	d...d	DSL Designator (1 to 6 alphanumeric characters)	bri-18
DFDN	x...x	Default Directory Number Enter a 1 to 7-digit directory number. This directory number must have been previously defined at the DN prompt. A directory number can be associated with multiple TSPs. Only one default DN can be defined for a TSP. This DN is sent in the outgoing setup if the terminal does not send a calling line identification number with the outgoing call.	bri-18
DMPH	(YES) NO	Meridian Packet Handler supports 8 SAPI 16 separators and 19 B-channels. Meridian Packet Handler supports 3 SAPI 16 separators and 1 B-channels.	bri-19
DN	x..x yyyy	Directory Number (x..x = 1 to 7 digits) and CLID table entry (yyyy). Where yyyy is range for CLID table entry (yyyy) is: [(0) - (value entered for SIZE prompt in LD 15 minus 1)] The Directory Number cannot be shared by a non-BRI terminal. 1-8 DNs may be assigned to a DSL. The DN can be assigned to multiple TSPs on a DSL but cannot be assigned to any other DSL. Precede with X to remove.	bri-18

Prompt	Response	Comment	Pack/Rel
DNAT	1-32 <CR>	DNA Table to print Prints all Data Network Address (DNA) tables	mph-19
DNIC	xxxx	Data Network Identification Code Enter a 4-digit DNIC for this item	bri-19
DPSD	(NO) YES	Route D-channel Packet Switched Data calls to an external packet handler, or Public Switched Packet Data Network (PSPDN). Do not route D-channel Packet Switched Data calls to an external packet handler, or Public Switched Packet Data Network (PSPDN).	mph-19
DSL	l s c dsl	Digital Subscriber Loop address for Large System For CS 1000E Where: • l (superloop) = 0-156 (must be 0 or a multiple of 4) • s (shelf) = 0-1 • c (card) = 0-15 • dsl (Digital Subscriber Loop) = 0-7 You can assign 31 DSLs for each MISP if you specified DCH or BDCH at the PH prompt during MISP configuration procedures. When REQ = PRT, entering <CR> at this prompt prints out all DSLs in the system.	bri-20 basic-4.0
		• l = (0-255) Systems with Fibre Network Fabric	fnf-25

Prompt	Response	Comment	Pack/Rel
	c dsl	Digital Subscriber Loop address. For Small System, where: • c (card) = 1-9 • c = 1-9 11-19 21-29 31-39 41-49 For CS 1000S, where: • c = 11-14, 21-24, 31-34, 41-44 For MG 1000T, where: • c = 1-4, 11-14, 21-24, 31-34, 41-44 Where: • dsl (Digital Subscriber Loop) = 0-7	lse-25 basic-1.0 basic-4.0
EFD	x...x	External Flexible Call Forward No Answer Directory Number (1-13 digits allowed)	bri-18
EHT	x...x	External Hunt directory number (1-13 digits allowed)	bri-18
FDN	x...x	Flexible Call Forward No Answer Directory Number (1-13 digits allowed)	bri-18
FEAT		Features	bri-18
	(CFTD) CFTA	Call Forward by call Type Denied Call Forward by call Type Allowed	
	(CFXD) CFXA	Call Forward to External DN Denied Call Forward to External DN Allowed. CFXA is valid if PRID = 2 or 6 in DSL.	isdn-20
	(DNDY) DNDN	Diversion Notification with called party's number and name when available. Diversion Notification without called party's number and name.	qsig ss- 23
	(DNO3) DNO1 DNO2	Diversion Notification Option with diverted-to party's number and name when available. Diversion Notification Option without notification. Diversion Notification Option without diverted-to party's number and name.	qsig ss- 23
	(FBD)	Call Forward Busy Denied	

Prompt	Response	Comment	Pack/Rel
	FBA	Call Forward Busy Allowed	
	(FND) FNA	Call Forward No Answer Denied Call Forward No Answer Allowed	
	(HBTD) HBTA	Hunting By call Type Denied Hunting By call Type Allowed	
	(HTD) HTA	Hunting Denied Hunting Allowed Always assign HTA if the terminal does have CWT capability.	
	(MWD) MWA	Message Waiting Denied Message Waiting Allowed	
	(SFD) SFA	Second level Call Forward No Answer Denied Second level Call Forward No Answer Allowed	
FEATID	aaa mmm nnn	Feature ID association This is prompted when PRID = 6, to implement the ISDN BRI Conferencing capability. Where: • aaa = Feature: AO3 = 3-party conference, AO6 = 6 party conference • mmm = Feature activation ID (1-127) • nnn = Feature indication ID (1-127) This is optional. If nothing is entered, the same value as mmm is used. Feature activation and Feature indication ID are the feature key assignments on the terminal. The key numbers must also be configured at the terminal level. Recommended assignments are: M5317TDX: AO6 15 and M5209TDcp: AO6 9.	bri-19
HUNT	x...x	Hunt directory number (1-13 digits allowed)	bri-18
IC	n1	Lowest incoming Logical Channel Number range (1-4095)	bri-19
	n2	Highest incoming Logical Channel Number range (1-4095)	
	<CR>	no incoming LCNs	

Prompt	Response	Comment	Pack/Rel
ISDN_MCNT	60-(300)-350	Layer 3 call control message count per 5 second time interval.	qsig gf-22
K	(1)-7 (1)-32	Window size Maximum number of outstanding negative acknowledgment (NAKs) frames.	bri-19
LAPB	(NO) YES	Change Link Access Protocol for B-channels	mph-19
LAPD	(NO) YES	Change Link Access Protocol for D-channels	bri-18
	0-15	LAPD protocol group number for DSL assignment	bri-19
LCN1	1-4095	Permanent Virtual Circuit Logical Channel Number for NT1	bri-19
LCN2	1-4095	Permanent Virtual Circuit Logical Channel Number for NT2	bri-19
LDN	(NO) 0-5	No LDN assigned to the DSL Departmental Listed Directory Number defined in LD 15	bri-20
LOOP	0, 2, 4,...158	MISP loop (must be an even number and the next odd loop number must be unequipped) When REQ = PRT, enter <CR> to print all MISPs in the system.	bri-18
	xx	SISP loop For Small System, where: • xx = 1-9 • xx = 1-9 11-19 21-29 31-39 41-49	lse-25
		For CS 1000S, where: • c = 11-14, 21-24, 31-34, 41-44	basic-1.0
		For MG 1000T, where: • c = 1-4, 11-14, 21-24, 31-34, 41-44	basic-4.0
	xxx	• xxx = (0, 2, 4 ... 254) Systems with Fibre Network Fabric	fnf-25

Prompt	Response	Comment	Pack/Rel
LTEI		Logical Terminal and Terminal Endpoint Identifiers. The Logical Terminal Identifier (LTID) consists of: • Logical Terminal Group (LTG) • Logical Terminal Number (LTN) • Static Terminal Endpoint Identifier (TEI) pair for D-channel packet data transmission The maximum number of LTID and TEI pairs is defined by MTEI. LTG = 15 and LTN = 1023 is an invalid combination.	bri-18
	n1 n2 m Xm <CR>	Logical Terminal Group (LTG) 1-15 Logical Terminal Number (LTN) 1-1023 TEI (0-63) Deletes LTID and TEI as a pair for the specified TEI Go to the next prompt. LTEI is prompted if D-channel packet data was specified for the associated MISP.	
MCAL	2-(16)-32	Maximum number of calls on a DSL at one time when TYPE = TSP. The maximum number of calls includes Active, Waiting, and On-Hold calls. Warning is received if less than 8 is specified.	bri-18
	1-(4)-8	Maximum Calls allowed per DN when TYPE = DSL. The maximum number of calls allowed for a directory number includes sum total of Active calls, Call Waiting, and calls On-Hold.	bri-18
MEMB	1-254 1-510	Member number of BRI route Member number of BRI route The specified route must match the BRI route type as well as the trunk type specified at the TKTP prompt.	bri-18 bri-24
MISP	0, 2, 4...158	MISP loop number for large systems For CS 1000E ISDN BRI applications on the MISP must be disabled when changing the MISP loop or card. The SILC or UILC must be disabled before changing the MISP loop number. Prompted if the MISP has not been assigned to the specified SILC or UILC. Eight BRSC cards can be configured per MISP	bri-19 basic-4.0

Prompt	Response	Comment	Pack/Rel
	xx	ISDN signalling processor (SISP) card slot number For Small System, where: • xx = 1-9 11-19 21-29 31-39 41-49	
		For CS 1000S, where: • xx = 11-14, 21-24, 31-34, 41-44	basic-1.0
		For MG 1000T, where: • c = 1-4, 11-14, 21-24, 31-34, 41-44	basic-4.0
MODE		Mode. Prompted when CTYP = SILC. NTAS and NTFS may be input when APPL = BRI, BRIL, or MPH. TE and NE may be input when APPL = BRIT or BRIE.	bri-18
	NTAS	Network Termination Adaptive line Sampling (extended passive bus, branched passive bus Point-to-Point bus, U interface DSL)	
	NTFS	Network Termination Fixed line Sampling (short passive bus)	
	(TE)	Terminal Equipment Mode for DSL	
	NT	Network Termination Mode for DSL. If CTYP = UILC, then MODE = NT.	
MPH	loop	Meridian Packet Handler loop This is the loop with the dedicated connection from the MISP card. Prompted when B2CT = IPD.	mph-19
		• loop = (0-254) Systems with Fibre Network Fabric	fnf-25
MPHC	(YES)	Route D-channel packet switched data to the Meridian Packet Handler	mph-19
	NO	Route D-channel packet data calls to an external packet handler, or Public Switched Packet Data Network (PSPDN)	
MTEI	1-(8)-20	Maximum Terminal Endpoint Identifiers MTEI represents the maximum number of both static and dynamic combined assigned to the logical terminals on a DSL.	bri-18

Prompt	Response	Comment	Pack/Rel
MTFM	(NO) YES	Multi-Frame Mode Prompted if MODE = TE.	bri-18
MTSP	1-(8)-16	Maximum Terminal Service Profiles	bri-18
N1	23-(135)- 263	Maximum I-frame size (in octets)	mph-19
N2	1-(10)-15	Maximum Number of retries	mph-19
N200	1-(3)-8	Maximum Number of retransmissions	bri-18
N201	4-(260)	Maximum Number of contiguous octets or bytes in information element	bri-18
N2X4	0-(10)-20	Number of Status Inquiries when Remote Station is in peer busy for 1TR6	ovlp-15
NCOS	(0)-99	Network Class of Service	bri-18
NTN	x...x	Network Terminal Number Add the NTN to the DNA table. The NTN can be up to 10 digits; up to 32 NTN entries are supported for each table. Enter a range of NTNs by separating the numbers with a space. Delete entry by preceding the number with X.	bri-19
NTN1	x...x	First Permanent Virtual Circuit connection to the NTN Up to 10 digits can be entered.	bri-19
NTN2	x...x	Second Permanent Virtual Circuit connection to the NTN Up to 10 digits can be entered.	bri-19
NTNO	(YES) NO	Public Switched Packet Data Network presents only the NTN in the Incoming Call packet's called address field. Public Switched Packet Data Network presents NTN and DNIC in the Incoming Call packet's called address field	bri-19
NWIF	1-3 <CR>	MPH Network Interface Identifier Indicates there is no identifier Delete an identifier by preceding the entry with an X.	bri-19

Prompt	Response	Comment	Pack/Rel
OC		Outgoing Logical Channel number range	bri-19
	n1	Lowest Incoming Logical Channel Number range (1-4095)	
	n2	Highest Incoming Logical Channel Number range (1-4095)	
	<CR>	no incoming LCNs	
OPT	(BRIL)	BRI Line application This information is NOT downloaded to the DSL.	bri-19
		Terminal Service Profile (TSP) print options (when REQ = PRT):	bri-18
	DN	Print TSPs with the requested Directory Number.	
	DNS	Print Directory Number for specified dsl.	
	SPID	Print TSPs with the specified Service Profile Identifier.	
	SUID	Print Service Profile ID and User Service Identifier map.	
	USID	Print TSPs with the specified User Service ID.	
	<CR>	Print all TSPs defined for the specified dsl.	
PDCA	1-16	Pad Category table defined in LD 73 Prompted if PRID = 2 or 4	bri-18
PGPN	0-15	Protocol Group Number	mph/bri-19
	ALL	To remove all protocol groups. You cannot remove a protocol group if it is assigned to a DSL.	
	<CR>	To print all protocol groups and the number of DSLs in each group	
PH		Packet Handler	bri-18
	(X)	No packet data transmission	
	DCH	BRI terminal communicates with the packet handler using multiplexed D-channels over a dedicated BD-channel	
	BCH	BRI terminal communicates with the packet handler using a dedicated B-channel	
	BDCH	Both D-channel and B-channel communicate with packet handler If you select DCH or BDCH, the MISP can support only 31 DSLs because one serial port is dedicated to the packet handler.	
PRES	(YES) NO	Presentation of CLID to far-end on outgoing calls.	bri-18

Prompt	Response	Comment	Pack/Rel
PRFX	0-9	DNA table Prefix.	bri-19
PRI		Primary Rate Interface	bri-18
	0, 2, 4,.....158	Loop numbers. This Primary Rate Interface is connected to the packet handler. The Primary Rate Interface must have already been added in LD 17. Prompted if B1CT or B2CT = PMD.	
	xx	Card number For Small System, where: • xx = 1-9 • xx = 1-9 11-19 21-29 31-39 41-49	lse-25
		For CS 1000S, where: • xx = 11-14, 21-24, 31-34, 41-44	basic-1.0
		For MG 1000T, where: • c = 1-4, 11-14, 21-24, 31-34, 41-44	basic-4.0
	xxx	• xxx = (0, 2, 4 ... 254) Systems with Fibre Network Fabric	fnf-25
PRI_CH	loop channel		bri-19
		PRI for packet handler and BRSC connections. Where: loop (1-159) = the PRI loop number that is connected to the external packet handler channel (1-23) = the PRI channel number where the dedicated BRSC connection terminates This PRI loop must have been previously assigned in LD 17, and must be dedicated to packet handler connection. The PRI channel must be configured for BRI packet data in LD 14 and LD 16.	
		loop = (0-254) Systems with Fibre Network Fabric	fnf-25

Prompt	Response	Comment	Pack/Rel
PRID		Protocol ID. Prompted if REQ = NEW.	bri-19
	1	ANSI	
	2	ETSI	
	3	DMS	
	4	NET64	
	5	Numeris	
	6	NI-1	
		PRID = 6 allows the ISDN BRI conference feature to be configured in the TSPs of the DSL	
PSIZ	16 32 64 (128) 256	Default packet transmission Size (in octets)	bri-19
PVC	n1	Lowest Permanent Virtual Circuit logical channel number range	bri-19
	n2	Highest Permanent Virtual Circuit logical channel number range	
PVCN	1-4	Permanent Virtual Circuit Number	bri-19
RATE	(64) 56	PSDN communication Rate This establishes the rate at which the PSDN communicates across the PRI channel network interface.	bri-19
REQ		Request	bri-18
	CHG	Change existing data block	
	END	Exit Overlay program	
	NEW	Create a new data block	
	OUT	Remove data block	
	PRT	Print data block	
ROUT	0-511	Route number for the Trunk DSL	bri-18
		The specified route must match the BRI route type as well as the trunk type specified at the TKTP prompt. The specified route must be on the Network (NET) side if MODE = NT for the DSL.	
SCPW		Station Control Password	isdn-20
	xxxxx	The SCPW entry must equal the Station Control Password Length (SCPL) defined in LD 15. SCPW is not prompted if SCPL = 0. Precede entry with “X” to delete.	

Prompt	Response	Comment	Pack/Rel
SGRP	(0)-999	Scheduled Access Restriction Group number	bri-18
SPID	a ... a	Service Profile Identifier	bri-18
		Where: aaa...a = 9-character alphanumeric service profile ID. A maximum of 8 valid SPIDs per TSP are allowed. Precede with X to remove.	
		Any combination of 20 characters or less is valid.	bri-23
		Prompted only if the user service identifier is 1-15. It will be repeated until <CR> is entered but only up to 8 SPIDs should be entered. This SPID must be entered in the initializing terminal to associate the terminal with a USID.	
SSRV_ETSI		Supplementary Service	isdn-20
	VCFW	Voice Call Forward. VCFW is valid if CT = VCE or if CT = VCE and DTA.	
	DCFW	Data Call Forward. DCFW is valid if CT =DTA or VCE and DTA. Prompted if PRID = 2 (ETSI) in the DSL.	
	VID7	The ETSI set supports telephony 7 KHz/Videotelephony teleservices Precede with X to remove, the service must not be active.	euro-24
SSRV_N1	aaa mmm nnn	NI-1 Supplementary Service. Where: • aaa = VCFA (Voice Call Forward Activation) if CT = VCE • aaa = VCFD (Voice Call Forward Deactivation) if CT = VCE • aaa = DCFA (Data Call Forward Activation) if CT = DTA • aaa = DCFD (Data Call Forward Deactivation) if CT = DTA • mmm = Feature Activation ID, 1-127 • nnn = Feature Indication ID, 1-127 (If not defined, mmm is used). The same mmm value may be assigned to VCFA and VCFD, or to DCFA and DCFD. Precede with X to remove, not allowed if feature is activated. Prompted if PRID = 6.	isdn-20

Prompt	Response	Comment	Pack/Rel
SUPL_SVC		Supplementary Services	isdn-20
	AO3	Three-Party Conference	
	AO6	Six-Party Conference	
		Precede with X to remove.	
T1	2-(6)-130	Response Timer (in units of 0.5 seconds) Default is 3 seconds.	mph-19
T10/T20	15-(180)-930	Request Restart Timer (in 1 second units)	mph-19
T11/T21	15-(180)-930	Call Request Timer (in 1 second units)	bri-19
T12/T22	15-(180)-930	Reset Request Timer (in 1 second units)	bri-19
T13/T23	0-15-(180)-930	Clear request timer (in 1 second units)	bri-19
T2	1-(4)-129	Maximum frame delay (in units of 0.5 seconds) Default is 2 seconds. T2 must be less than T1.	mph-19
T3	3-(12)- 131	Idle Timer (in units of 0.5 seconds) Default is 6 seconds	mph-19
	0	Turns off the timer. If this is not 0, it must be greater than T1.	
T200	(2)-40	Retransmission Timer Registered in increments of 0.5 seconds to specify the time delay which occurs before the system retransmits the information.	bri-18
T203	4-(20)-80	Maximum Time between transmission frames (in increments of 0.5 seconds)	bri-18
T310		Timer used to determine how long SL-1 can wait for the response message when the QSIG outgoing call is in the U3 (outgoing call processing) state.	qsig-20
	10-(30)-60	Default = (10) seconds for TCNZ Default = (30) seconds for QSIG	
	110-(120)	This range applies to PRI, PRI2, and BRI trunks	

Prompt	Response	Comment	Pack/Rel
TC	n1 n2 <CR>	Lowest two-way Logical Channel Number range Highest two-way Logical Channel Number range No two-way LCNs	mph-19
TEI	0-63	Static TEI for addressing terminal This is given in units of 1 second.	mph-19
TGAR	0-(1)-31	Trunk Group Access Restriction number	bri-18
TIMR	(NO) YES	Change Timer values. Not prompted for APISDN AUST.	
TKTP	TIE COT DID	TIE Trunk Type COT Trunk Type DID Trunk Type	
TN	l s c	Terminal Number of SILC or UILC. Prompted when B1CT= PMD. Where: • l (loop) = 0-156 (must be 0 or a multiple of 4) • s (shelf) = 0-1 • c (card) = 1-15	bri-20
		Systems with Fibre Network Fabric • l (loop) = 0-252 (must be 0 or a multiple of 4)	fnf-25
		If REQ = PRT, entering: • l: prints out information for all cards on this loop • l s: prints out information for all cards on that loop and shelf • <CR>: prints out information for all system cards • card: prints information for this card (Small Systems, CS 1000S, MG 1000B, and MG 1000T only)	
	l s c u loop ch 1-20	Terminal Number PRI loop and B-channel number Small System	

Prompt	Response	Comment	Pack/Rel
TRANS	(NO)	Restrict presentation of COLP, CLID coming from S0 terminal without presentation option	bril-22
	YES	If TRANS = NO and if the presentation indicator is set to restricted, the number digits are erased from the information element before it is sent to the S0 terminal. CONNECTED NUMBER IE received from the Meridian 1 is sent transparently to S0 terminal, even if restricted	
TRMT		Terminating Type	bri-20
	D	D-channel terminal type configuration used	
	B	B-channel terminal configuration type used	
TSET	0-15	Threshold Set for clock errors	tset-7
TYPE		Type of data block	bri-19
	BRSC	BRI Signaling Concentrator	
	CARD	S/T (SILC) or U (UILC) Interface Line Card data block	
	DNAT	Data Network Address Tables	
	DSL	Digital Subscriber Loop data block	
	LAPB	Link Access Protocol on B-channels	
	LAPD	Link Access Protocol on D-channel	
	MISP	Multi-purpose ISDN Signaling Processor data block	
	PROT	Protocol group data block	
	PVC	Permanent Virtual Circuit connections	
	TSP	Terminal Service Profile data block	
	X25P	X.25 Packet Protocol Parameters	

Prompt	Response	Comment	Pack/Rel
USER		Print groups selected at PGPN prompt. USER is prompted when REQ = PRT.	mph-19
	(NO) YES	Do not print LAPB or LAPD group user information Print LAPB or LAPD group user information	
		(LAPB or LAPD groups selected at the PGPN prompt as well as the TSPs or MPH network interfaces which use them)	
USID	(0)-15	User Service Identifier	bri-18
		The total number of TSPs defined for a DSL cannot exceed the maximum number of TSPs allowed for a DSL as specified by the MTSP prompt during the DSL configuration procedures.	
	ALL	Removes all TSPs defined for the DSL. Use only when REQ = OUT.	
		A default TSP should be configured for non-initializing terminals. This is done by assigning USID = 0 to the TSP.	
WSIZ	1-(2)-7	Default Transmit Window Size (in octets)	bri-19
X25P	(YES) NO	Change X.25 Parameters	bri-19
		If these parameters are changed, all active calls associated with the TSPs and network interfaces for the group will be dropped.	
XLST	(0)-254	Pretranslation group Prompted if PREO = 1 in LD 15	bri-18
XPVC	(YES) NO	External PVC connection Internal PVC connection	bri-19

LD 28: Route Selection for Automatic Number Identification

Overlay program 28 allows data for Route Selection for Automatic Number Identification (RS-ANI) to be created, modified, and printed.

Prompts and responses

Prompt	Response	Comment
REQ	aaa	Request
TYPE	RSA	Type of data block = RSA (Route Selection ANI)
CUST	xx	Customer number associated with this function
RSAC	xxxx	RS-ANI Access Code digits
0-RT	x...x	0- calls, Route access code (calls to Public Network Operator
0+RT	x...x	0+ calls, Route access code
1RT	x...x	1+ or IDDD (International Direct Distance Dial) calls Route access code
CORT	x...x	Central Office (local calls) Route access code

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
0+RT	x...x	0+ calls Route access code (for toll calls that require Public Network Operator assistance) Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150	ani-1
0-RT	x...x	0- calls, Route access code (calls to Public Network Operator Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150	ani-1
1RT	x...x	1+ or IDDD (International Direct Distance Dial) calls, Route access code Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150	ani-1
CORT	x...x	Central Office (local calls) Route access code Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150	ani-1
CUST	xx	Customer number associated with this function as defined in LD 15	ani-1
REQ		Request	ani-1
	CHG	Change an existing data block	
	END	Exit Overlay program	
	NEW	Create a New data block	
	OUT	Remove data block	
	PRT	Print RSA data	
RSAC	xxxx	RS-ANI Access Code digits	ani-20
TYPE	RSA	Route Selection ANI data block	ani-1

LD 49: New Flexible Code Restriction and Incoming Digit Conversion

Overlay program 49 allows the building, changing, deleting, moving, and printing of code restriction trees and the cancellation of all New Flexible Code Restriction (NFCR) data.

Overlay program 49 also allows the building, changing, deleting, moving, and printing of Incoming DID Digit Conversion (IDC) data.

Prompts and responses

Prompt	Response	Comment
REQ	aaa	Request
TYPE	aaa	Type of data block (aaa = FCR or IDC)
FROM	0-99 0-254	Source customer and tree number
TO	0-99 0-254	Destination customer and tree number
CUST	xx	Customer number
DCNO	0-254	Digit Conversion tree Number
FDID	(NO) YES	Flexible DID IDC tree
HOSP	(NO) YES	Hospitality IDC table
XPDN	(NO) YES	Expand DN length by 1-8 (1-5) digits
SDID	(NO) YES	Send calling party DID
IDGT	0-9999 0-9999	Incoming Digits

AUTH	xxxx	Authcode
CRNO	(0)-254	Code Restriction tree Number
INIT	aaaa	Initial (aaaa = ALOW or DENY) Allow or deny all codes.
- ALOW	xxxx	Digit sequence to be allowed.
- - UPDT	(YES) NO	Update Tree
- DENY	xxxx	Digit sequence to be denied.
- - UPDT	(YES) NO	Update Tree
FRCE	(NO) YES	Force
BYPS	xxxx	Digit sequence to be bypassed.
- UPDT	(YES) NO	Update Tree

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
ALOW	xxxx xxxx y...y	Allow (Digit sequence to be allowed unconditionally) Prompted when INIT = DENY. Digit sequence to be conditionally allowed and maximum number of digits that can follow A maximum of 50 digits may be analyzed. when United Kingdom (UK) package 190 is not equipped. If UK package 190 is equipped a maximum of 5 digits may be analyzed. Enter <CR> to end ALOW prompt.	nfcr-2
AUTH	xxxx	Authcode associated with the DID directory number printed directly above the AUTH prompt.	ffc-16
BYPS	xxxx	Bypass (Digit sequence to be bypassed) A maximum of 50 digits may be analyzed. when UK package 190 is not equipped. If UK package 190 is equipped, a maximum of 5 digits may be analyzed. Enter <CR> to end BYPS prompt.	nfcr-2
CRNO	(0)-254	Code Restriction tree Number (NFCR tree number) The maximum number of trees allowed for a customer is defined by prompt MAXT in LD 15.	nfcr-2
CUST	xx <CR>	Customer number For all customers Prompted when REQ = PRT.	nfcr-2
DCNO	0-254	Digit Conversion tree Number (IDC tree number) A HOSP IDC tree number cannot be 0. Its valid range is 1-254.	idc-12
DENY	xxxx	Deny (Digit sequence to be denied) A maximum of 50 digits may be analyzed.when UK package 190 is not equipped. If UK package 190 is equipped a maximum of 5 digits may be analyzed. Prompted when INIT = ALOW.	nfcr-2
FDID	(NO) YES	Flexible DID IDC tree	fdid-24

Prompt	Response	Comment	Pack/Rel
FRCE	(NO) YES	Force the storage or release of data. If an entry for ALOW, DENY or BYPS conflicts with existing data, FRCE is prompted. For example, ALOW = 7 and the existing ALOW = 7000. In this case enter “NO” to ignore the data, or “YES” to accept the change. A modification of this type may result in the loss of portions of the tree. If REQ = RLS and FRCE = YES, then all the customer’s NFCR data is deleted. Prompt NFCR in LD 15 must be set to NO first.	nfcr-2
FROM	0-99 0-254	Source customer and tree number	nfcr-2
HOSP	(NO) YES	Hospitality IDC table	dnis-16
IDGT	0-9999 0-9999	Incoming Digits (DN or range of DNs to be converted) The external DNs to be converted is output and the users enter the internal DN. For example, to convert the external DN 3440 to 510, enter: • Prompt: Response • IDGT: 3440 • 3440: 510 To convert the external DNs in the range 3440 to 3465, enter: • Prompt: Response • IDGT: 3440 3465 • 3440: 444 • 3441: 445 • . • . • 3465: 469 This is not a prompt. This is the DID directory number which delineates the following prompt.	idc-12

Prompt	Response	Comment	Pack/Rel
		To delete a DN or a DN from a range of DNs • Prompt: Response • IDGT: 3440 • 3440 x	
INIT		Initial	nfcr-2
	ALOW	To specify digit strings to be denied	
	DENY	To specify digit strings to be allowed Entering DNs may be affected by the Outpulsing feature for Japan.	
REQ		Request	nfcr-2
	CHG	Change an existing data block	
	END	Exit Overlay program	
	MOV	Move existing data block to a new customer and/or NFCR tree data block	
	NEW	Create a new data block	
	OUT	Remove a specified NFCR tree data block	
	PRT	Print NFCR tree data block	
	RLS	Release all NFCR data blocks for a specified customer	
	RPL	Replace data in the specified NFCR tree data block with new data	
SDID	(NO)	Send DN of set when calling party number is requested	dnis-15
	YES	Send DID of set. If no DID for set, then no DN is sent. Prompted when the International Supplementary Features (SUPP) package is equipped and REQ = NEW.	
TO	0-99 0-254	Destination customer and tree number	nfcr-2
TYPE		Type of data block	nfcr-2
	FCR	NFCR data block	
	IDC	Incoming Digit Conversion data block	
UPDT	(YES) NO	Update Tree Data is correct and can update the NFCR tree.	nfcr-2
XPDN	(NO) YES	Expand DN length by 1-8 (1-5) digits A response of YES requires twice the memory per DN.	basic-14

LD 50: Call Park and Modular Telephone Relocation

Overlay program 50 allows the implementation and administration of the Call Park and Meridian Modular Telephone Relocation features.

Prompts and responses

Call Park data

Prompt	Response	Comment
REQ	aaa	Request
TYPE	CPK	Type of data block = CPK (Call Park)
CUST	xx	Customer number associated with this function
BLOC	1-5	Call Park block number
CPTM	30-(45)-240	Call Park Timer (in seconds)
RECA	(NO) YES	Recall parked call to attendant
SPDN	(0)-50 xxxx	Number of contiguous system park DNs and first DN
MURT	0-511	Music Route

Meridian Modular Telephone ID change during relocation

The serial number, NT code, color code or release information stored in a Meridian Modular Telephone may be changed during the relocation sequence. This can only be done after the set has "relocated out" and before it is "relocated in" to the new location. An application of this occurs when the terminal is being replaced with one of the same type and requires the same key configuration.

See Set Relocation Data in LD 21, and IDU: Print set ID command in LD 32.

Prompt	Response	Comment
REQ	aaa	Request = CHG or OUT
TYPE	MTRT	Type of data block = MTRT (Meridian Modular Telephone Relocation Table)
TN	l s c u	Terminal Number
SER	xxxxxx	Serial number
NTCD	xxxxxxxx	NT (product) Code
COLR	xx	Color
RLS	xx	Release

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
BLOC	1-5	Call Park block number Where:1-5 allows the system administrator to define the subsequent prompts. After subsequent prompts have been defined, the administrator is returned to the BLOC prompt until a carriage return (<CR>) is entered. The Primary Call Data Block (block 1) must be defined before any Secondary Call Park Blocks (2-5) can be added.	cprknet-22
	ALL	Enter ALL when REQ = OUT to remove all Call Park Blocks	
	<CR>	Enter <CR> to return to the REQ prompt. BLOC is prompted if CPRKNET package 306 is equipped.	
COLR	xx	Color of Meridian Modular Telephone. The color codes are: • 03 is black • 35 is chameleon ash • 93 is dolphin	arie-18
CPTM	30-(45)-240 30-(45)-480	Call Park Timer (in seconds) Call Park recall time (in seconds) if CPRK package 33 is equipped The amount of time a call is held in the parked state before recalling the parking set or the attendant.	cprk-20
CUST	xx	Customer number associated with this function as defined in LD 15	cprk-2
MURT	0-511 X	Music Route number for parked calls Remove existing music route.	mus-1
NTCD	xxxxxxxx	New NT (product) Code of Meridian Modular Telephone	arie-18
RECA		Recall Attendant	cpk-20
	(NO) YES	Unanswered parked calls recall the parking set Unanswered parked calls recall the attendant	

Prompt	Response	Comment	Pack/Rel
REQ		Request	cprk-2
	CHG	Change existing data block	
	END	Exit Overlay program.	
	NEW	Create a new Call Park data block (not applicable if TYPE = MTRT)	
	OUT	Remove data block	
	PRT	Print call park data block (not applicable if TYPE = MTRT)	
RLS	xx	New Release of Meridian Modular Telephone	asr-18
SER	xxxxxx	New Serial Number of Meridian Modular Telephone	arie-18
SPDN	xx yyyy	System Park DNs	cprk-2
		Number of contiguous System Park DNs, and first DN Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Where:	
		xx = # of contiguous System Park DNs. The range is: • (0)-50 • (0)-100 when CPRK package 33 is equipped	
		yyyy = First Call Park DN	
TN		Terminal Number	arie-18
	l s c u	Old Terminal Number of set in relocation table Where: l = 0-254 Systems with Fibre Network Fabric	fnf-25
	c u	Old Terminal Number of set in relocation table (Option 11C format)	
TYPE		Type of data block	cprk-2
	CPK	Call Park data block	
	MTRT	Meridian Modular Telephone Relocation Table	

LD 52: 2.0 Mb/s Remote Peripheral Equipment

Overlay program 52 defines the 2.0 Mb/s Remote Peripheral Equipment (RPE) group data and system thresholds.

Overlay program 52 is not supported on small systems.

Prompts and responses

Contents

2.0 Mb/s RPE data block (TASK = Counter Threshold)

Prompt	Response	Comment
REQ	aaa	Request
TYPE	RPE2	Type of data block = RPE2 (2.0 Mb/s Remote Peripheral Equipment)
GRP	1-31	RPE group number
TASK	CTHS	Counter Threshold
LFAL	0-(5)-255	Loss of Frame Alignment at Local site
FAEL	0-(5)-255	Frame Alignment Error rate at Local site
PCML	0-(5)-255	Pulse Code Modulation (PCM) error rate at Local site
LFAR	0-(5)-255	Loss of Frame Alignment at Remote site
FAER	0-(5)-255	Frame Alignment Error rate at Remote site
PCMR	0-(5)-255	Pulse Code Modulation (PCM) error rate at Remote site
RPF	0-(3)-255	Remote Processor Failure
LINT	0-(2)-255	Local site Initialization of Remote Peripheral Controller
BGTH	0-(3)-7	Background Threshold

2.0 Mb/s RPE data block (TASK = Group Member)

Prompt	Response	Comment
REQ	aaa	Request
TYPE	RPE2	Type of data block = RPE2 (2.0 Mb/s Remote Peripheral Equipment)
GRP	1-31	RPE Group number
TASK	GMBR	Group Member
ID	x...x	Identifier
LM0	xxx	Loop number for Member 0 in the group (first primary loop)
LM1	xxx	Loop number for Member 1 in the group (second primary loop)
LM2	xxx	Loop number for Member 2 in the group (third primary loop)
LM3	xxx	Loop number for Member 3 in the group (fourth primary loop or spare loop if SPAR = YES)
- SPAR	(NO) YES	Spare loop option

2.0 Mb/s RPE data block (TASK = Timer Threshold)

Prompt	Response	Comment
REQ	aaa	Request
TYPE	RPE2	Type of data block = RPE2 (2.0 Mb/s Remote Peripheral Equipment)
GRP	1-31	RPE group number
TASK	TTHS	Timer Threshold
LFAL	2-(10)-999	Loss of Frame Alignment at Local site in seconds
FAEL	2-(600)-999	Frame Alignment Error rate at Local site in seconds
PCML	2-(600)-999	Pulse Code Modulation (PCM) error rate at Local site in seconds
LFAR	2-(10)-999	Loss of Frame Alignment at Remote site in seconds
FAER	2-(10)-999	Frame Alignment Error rate at Remote site in seconds
PCMR	2-(600)-999	Pulse Code Modulation (PCM) error rate at Remote site in seconds
RPF	128-(1024)-9999	Remote Processor Failure in milliseconds

2.0 Mb/s RPE data block (TASK = No New Data call timer)

Prompt	Response	Comment
REQ	aaa	Request
TYPE	RPE2	Type of data block = RPE2 (2.0 Mb/s Remote Peripheral Equipment)
GRP	1-31	RPE group number
TASK	NND	No New Data call timer
ERR	10-(14)-30	Error threshold in seconds
NND	0-(56)-1800	No New Data call time in seconds

Prompts and responses to remove 2.0 Mb/s RPE data block

Prompt	Response	Comment
REQ	OUT	Remove
TYPE	RPE2	Type of data block = RPE2 (2.0 Mb/s Remote Peripheral Equipment)
GRP	1-31	RPE Group number
LOOP	x xx x	Loop numbers for loops to be removed.

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
BGTH	0-(3)-7	Background Threshold (Unsparing attempts allowed by background) A response of 0 will deactivate the background processing of LD 53 for this RPE group.	rpe2-15
ERR	10-(14)-30	Error threshold in seconds Time after which the NND state is entered.	rpe2-15
FAEL	2-(600)-999	Frame Alignment Error rate at Local site in seconds Prompted when TYPE = TTHS	rpe2-15
	0-(5)-255	Frame Alignment Error rate at Local site Prompted when TYPE = CTHS	
FAER	2-(10)-999	Frame Alignment Error rate at Remote site in seconds Prompted when TYPE = TTHS	rpe2-15
	0-(5)-255	Frame Alignment Error rate at Remote site Prompted when TYPE = CTHS	
GRP	1-31	RPE group number	rpe2-15
	<CR>	All RPE group numbers, when REQ = PRT	
ID	x...x	Identifier (1-16 character alphanumeric group identification)	rpe2-15
LFAL	2-(10)-999	Loss of Frame Alignment at Local site in seconds Prompted when TYPE = TTHS	rpe2-15
	0-(5)-255	Loss of Frame Alignment at Local site Prompted when TYPE = CHTS	
LFAR	2-(10)-999	Loss of Frame Alignment at Remote site in seconds Prompted when TYPE = TTHS	rpe2-15
	0-(5)-255	Loss of Frame Alignment at Remote site Prompted when TYPE = CHTS	
LINT	0-(2)-255	Local site Initialization of Remote Peripheral Controller (RPC)	rpe2-15
LM0	0-159	Loop number for group member 0 (1st primary loop) Precede with X to delete a loop number	rpe2-15
LM1	0-159	Loop number for group member 1 (2nd primary loop) Precede with X to delete a loop number	rpe2-15

Prompt	Response	Comment	Pack/Rel
LM2	0-159	Loop number for group member 2 (3rd primary loop) Precede with X to delete a loop number	rpe2-15
LM3	0-159	Loop number for group member 3 (4th primary loop or spare loop if SPAR = YES) Precede with X to delete a loop number.	rpe2-15
LOOP	x xx x ALL	Loop numbers for loops to be removed. All loops in the group are removed If accepted, then the whole group is removed.	rpe2-15
NND	0-(56)-1800	No New Data call time in seconds The time to stay in the NND state. Time is stored as nearest lower multiple of 8. A response of 0 will deactivate the NND error handling system on this RPE group.	rpe2-15
PCML	2-(600)-999	Pulse Code Modulation (PCM) error rate at Local site in seconds. Prompted when TYPE = TTHS.	rpe2-15
	0-(5)-255	Pulse Code Modulation (PCM) error rate at Local site Prompted when TYPE = CHTS	rpe2-15
PCMR	2-(600)-999	Pulse Code Modulation (PCM) error rate at Remote site in seconds. Prompted when TYPE = TTHS.	rpe2-15
	0-(5)-255	Pulse Code Modulation (PCM) error rate at Remote site Prompted when TYPE = CHTS	
REQ		Request	rpe2-15
	CHG	Change a data block	
	END	Exit Overlay program	
	NEW	Create a new data block When an RPE group is created using REQ = NEW, counter and timer thresholds are initialized to their default values.	
	OUT	Remove 2.0 Mb/s RPE data block	
	PRT	Print 2.0 Mb/s RPE data block	
RPF	128-(1024)-9999	Remote Processor Failure (milliseconds)	rpe2-15
RPF	0-(3)-255	Remote Processor Failure	rpe2-15
SPAR	(NO) YES	Spare loop option	rpe2-15

Prompt	Response	Comment	Pack/Rel
TASK	CTHS	Counter Threshold	rpe2-15
	GMBR	Group Member	
	NND	No New Data call timer	
	THRS	Threshold data (timer/counter)	
	TTHS	Timer Threshold	
		When REQ = PRT, TASK can only be GMBR or THRS	
TYPE		Type of data block	rpe2-15
	RPE2	2.0 Mb/s RPE group data	

LD 56: Flexible Tones and Cadences

Flexible Tones and Cadences (FTC) is an optional feature that is used to customize the tones provided to telephone users. FTC is primarily intended for international markets where tones which are different from the North American defaults are required.

Overlay program 56 allows the implementation and administration of tone and ringing parameters for one or more customers. If the FTC feature (package 125) is not equipped, North American tones and cadences are used.

An FTC table number can be entered for each trunk route at prompt TTBL in LD 16. Table 0 is the default for all trunk routes and contains the defaults for North America.

What are tones and cadences?

Tones are used to provide call status to telephone users. A tone is defined by both the frequency and volume of the sound.

Tones are provided in on and off phases. One or more cycles of on/off cycles make up a tone's cadence. For example, the default cadence for normal North American ringing is 2 seconds on, 4 seconds off, 2 seconds on, 4 seconds off, and so on.

Flexible Tone and Cadence (FTC) tables

FTC tables define the tones and cadences used for various calling features. Up to 31 FTC tables can be created. Each table can be associated with one or more trunk routes by entering the table number in response to prompt TTBL in LD 16.

Master Cadence (MCAD) table

The Master Cadence Table (MCAD) defines cadences that are controlled by software. These are used for single line sets (500/2500) and digital sets.

The MCAD can have 256 entries (0-255). Each entry can have up to 10 on/off phases each. Entry 0 is reserved for continuous tone and cannot be changed. Entries 1-15 are reserved for ringing cadences.

Most of the software cadences are continuously repetitive unless it is specified that the tone should end after the last phase. There are four exceptions to this rule: prompts ACBT,AOBT, INTU and OVRD cadences repeat the last 8 phases. This allows a special initial tone burst to be defined. To have the first cycle repeat, it must be defined as both the first and last cycle.

A cadence is defined at the CDNC prompt by entering the time for each on and off phase. The time depends on the settings for the TMRK prompt in LD17 which defines the software cadence increments as 96 or 128 ms. For each phase, enter the closest multiple of 5 ms equal to the multiple of 96 or 128 ms which gives the a time Š the time required.

The range for the first phase is 1-9999. The range for the second phase is 0-9999. Once an MCAD entry has been created, it can be changed but not removed.

For example, given LD 17 TMRK is set to 128 ms, and a repeating 2 seconds on, 4 seconds off cadence is required.

1 Determine the ON phase (2 seconds = 2000 ms)
2000/128 = 15.625 = 16 (always round up)
128 x 16 = 2048 ms
multiple of 5 closet to 2048 ms = 2050
Entry for prompt CDNC = 2050/5 = 0410

2 Determine the OFF phase (4 seconds = 4000 ms). By using the same calculation, the entry for prompt CDNC = 0820.

3 To define the cadence, respond to the prompts as follows:

REQ NEW, CHG
TYPE MCAD
WCAD 1-255
CDNC 0410 0820

To define the cadence: 2 s on, 4 s off, 4 s on, 2 s off, repeat cycle 1 and 2, enter:

CDNC 0410 0820 0820 0410

To define the cadence: 2 s on, then steady off, enter:

CDNC 0410, or
CDNC 0410 0000

If an odd number of non-zero phases are entered, software ends the tone after the last ON phase. Once a zero phase has been entered, it cannot be followed by non-zero phases. A carriage return at any phase results in zero for the remaining phases.

Once the cadence is defined, it can be entered in response to the CDNC prompt for a given feature. For example, CDNC is output after the Call Waiting tone prompt.

Firmware Cadence (FCAD) table

The Firmware Cadence Table (FCAD) defines cadences that are controlled by an NT8D17 Conference/TDS/MFS card.

The FCAD can have 256 entries (0-255). Each entry can have up to 10 on/off phases. Entry 0 is reserved for continuous tone and cannot be changed. Entries 1-15 are reserved for ringing cadences. Each phase is in multiples of 5 ms.

FCAD cadences have the following capabilities:

- Each cadence may be defined to end at the "on" phase, the "off" phase, or repeat after a single pass through the defined on/off cycles. Any or all of the five cycles can be repeated.
- Unique tones can be defined for each "on" phase. These tones are permanently held in the Conference/TDS/MFS firmware.

In order to have the same cadences on 500/2500/digital telephones and SL-1 telephones, the MCAD and FCAD entries 0-15 are identical. Changes to MCAD entries 1-15 automatically change FCAD entries 1-15. The FCAD entries 1-15 can only be changed by changing the MCAD entries 1-15.

The Conference/TDS/MFS card must be disabled and then re-enabled to download changed firmware cadences.

Examples of creating firmware cadences:

1 For a cadence of 2 s on, 4 s off, repeat:

REQ NEW, CHG, PRT
TYPE FCAD
WCAD 1-255
CDNC 0410 0820

END REPT
CYCS 1 (on/off cycles to be repeated)
WTON NO (use default tone for this cadence)

2 For a cadence of 2 s on, 4 s off, 3 s on, 5 s off, repeat:

REQ NEW, CHG, PRT
TYPE FCAD
WCAD 1-255
CDNC 0410 0820 0614 0998

END REPT
CYCS 1 2 (on/off cycles to be repeated)
WTON NO (use default tone for this cadence)

3 For a cadence of:

0.1 s on at 950 Hz, 19 dB below overload A-law, 0.1 off
0.1 s on at 1400 Hz, 20 dB below overload A-law, 0.1 off
0.1 s on at 1800 Hz, 20 dB below overload A-law, steady off
REQ NEW, CHG, PRT
TYPE FCAD
WCAD 1-255
CDNC 0020 0020 0020 0020 0020

END OFF
WTON YES (define tones for this cadence)

TONES 134 135 136 (See NT8D17 Conference/TDS tone table)

TDS and NT8D17 Conference/TDS/MFS cards

There are two types of cards providing tones and cadences:

- Tone and Digit Switch (TDS) cards
- NT8D17 Conference, TDS and Multi-Frequency (MF) Sender card

There are a variety of TDS cards. Each card provides a different set of tones and cadences. When a TDS card is used for SL-1 sets, each tone and cadence is identified by a hexadecimal code. The decimal equivalents for these hex codes are entered at the TDSH prompt for each calling feature.

Refer to the *Flexible Tones and Cadences* NTP for the appropriate codes.

When the NT8D17 Conference/TDS/MFS cards are used, the tones and cadences are defined by the following prompts:

- XCAD = 0-255 - entry in the Firmware Cadence Table (FCAD)
- XTON = 0-255 - tone stored in the card firmware
- CDNC = 0-255 - entry in Master Cadence Table (MCAD)

The ringing cadences for all telephones use the Master Cadence Table (MCAD). MCAD entries 1-15 are downloaded to the Peripheral Controller to provide ringing.

Time interval for Call Forward

For Call Forward No Answer (CFNA), the time interval before a call is forwarded is measured by the time interval for one ring cycle (defined at NCAD prompt) times the number of ring cycles (defined at CFNA prompt in LD 15).

All other types of ringing forward a call after this same time interval regardless of cadence. For example, those with a faster cadence will forward after more rings, those with a slower cadence after fewer rings.

Installing FTC

These steps outline the process to install the FTC feature and change the default tones and cadences for one or more calling features.

To assist in fault clearing, it is recommended that you keep a record of all changes:

- Load Overlay 56
- Define new MCAD cadences
- Define new FCAD tones and cadences
- Create one or more FTC tables (one for each trunk route requiring different tones and cadences)
- Define the non-default tones and cadences for each FTC table
- Enter the FTC table number for each trunk route (LD 16 prompt TTBL)

- If a Conference/TDS/MFS card is equipped, then follow these steps:
  - — set options in LD 97
  - — initialize the system (INIT)
  - — disable and enable each Conf/TDS/MFS card (LD 34)
  - — disable and enable each Controller (LD 32)

  Note 1: The Master Cadence Table (MCAD) defines cadences that are controlled by software. These are used for single line sets (500/2500) and digital sets.

MCAD can have up to 256 entries (0-255). Each entry can have up to 10 on/off phases. Entry 0 is reserved for continuous tone and cannot be changed. Entries are reserved for ringing cadences.

To define an MCAD cadence, enter the time for each on and off phase. Phases are in 5 ms increments. For example, enter 200 to have a phase last 1 second (200 x 5 ms = 1000 ms = 1 second).

The range for the first phase is 1-9999. The range for the second phase is 0-9999. Once an MCAD entry has been created, it can be changed but not removed.

Note 2: Prompts with the response i bb c tt are only prompted for systems equipped with Tone and Digit cards.

- i = internal (0) or external (1) source
- bb = burst
- cc = cadence
- tt = frequency/level

Prompts with the response i bb c tt define the Internal/External source, burst, cadence and frequency/level respectively. Enter the decimal equivalent (0-15) of the TDS Hex code (refer to 553-2711-180).

The first field is usually 0. If an external source is used the entry is 1 and the fourth field is 0-7 for the specified channel.

Note 3: The Firmware Cadence Table (FCAD) defines cadences that are controlled by the NT8D17 Conference /TDS/MFS card. These are used for SL-1 sets.

The FCAD can have up to 256 entries (0-255). Each entry can have up to 10 on-off phases. Entry 0 is reserved for continuous tone and cannot be changed.

FCAD cadences have the following capabilities:

- each cadence may be defined to end on the ON phase, OFF phase or repeat after a single pass through all defined on-off cycles. Any or all of the five on-off cycles can be repeated.
- a unique tone can be defined for each on phase. These tones are permanently held in the Conference/TDS/MFS firmware.

In order to have the same cadences for 500/2500 Digital and SL-1 sets, the MCAD and FCAD entries 0 through 15 are identical. Changes to MCAD entries 1 through 15 automatically change MCAD entries 1 through 15. FCAD entries 1 through 15 cannot be changed without changing the MCAD entries.

Note 4: The cadences for Software Controlled Cadence Tones AOBT (Agent Observe Tone), INTU (Intrusion tone) and OVRD (Override tone) do not repeat in the same manner as the other tones. All other tones repeat all on-off cycles from the first up to the fifth if all ten on and off times are programmed. However, these tones reserve cycle 1 for special use, providing a tone burst of a different length if desired, to emphasize the initial iteration of the tone cycle.

Note 5: A cycle of 200 3200 50 3200 will have a 200 millisecond tone followed by 3.2 seconds of silence. After this initial burst, the tone will repeat in a 50 millisecond on, 3.2 seconds off pattern as long as the time remains valid. However, if the pattern is intended to not have an initial burst, the first two entries must be repeated as the last two entries to obtain the correct sequence.

As an example, if the desired tone is repeating sequence of 50 ms on, 100 ms off, 100 ms on, 50 ms off, 50 ms on, 3500 ms off, the entry must be as follows:

50 100 100 50 50 3500 50 100

Intrusion Tone Note for Small Systems

The following settings are recommended when programming the Intrusion tone on an Small System.

Prompt Response

INTU
XTON 175
XCAD 19
CDNC 19
MCAD 1914 25 14 2000
FCAD 1914 25 14 2000
END REPL
CYCS 2

Prompts and responses

Contents

AANN: PC Attendant Announcement data block

Prompt	Response	Comment
REQ	aaa	
TYPE	AANN	PC Attendant Announcement block.
CUST	xx	Customer Number
TBL	0-31	Announcement table number.
-NIPR	(NO) YES	Nightstation announcement priority. If NIPR is set to YES, ANNS is given for each call to the nightstation.
-ANQU	(NO) YES	PC Attendant Announcement is given on calls in PC Attendant or night service queue only.

-ANAT	aaa	Announcement when terminating to the PC Attendant, where: • aaa = R000 - R128 RAN announcement
-ANNS	aaa	Announcement when terminating to night station, where: • aaa = R000 - R128 RAN announcement
-ANFA	aaa	Announcement when CFNA to PC Attendant, where: • aaa = R000 - R128 RAN announcement
-ANFB	aaa	Announcement when CFB to PC Attendant, where: • aaa = R000 - R128 RAN announcement
-ANSR	aaa	Announcement when slow answer recall, where: • aaa = R000 - R128 RAN announcement
-ANXC	aaa	Announcement on calls extended by PC Attendant, where: • aaa = R000 - R128 RAN announcement
-ANOF	aaa	Announcement on calls overflowed from the PC Attendant queue, where: • aaa = R000 - R128 RAN announcement

DTAD: Special Dial Tone After Dialed Number data block

Prompt	Response	Comment
REQ	aaa	Request
TYPE	DTAD	Type of data block = DTAD (Special Dial Tone After Dialed Number)
DDGT	x...x	Dialed digits (1-5 digits)
- TONE	a...a	Tone to be provided after the dialed digits (a...a = (DIAL), SPDT, or SRC-SRC8)

FCAD: Firmware Cadence data block

Prompt	Response	Comment
REQ	aaa	Request
TYPE	FCAD	Type of data block = FCAD (Firmware Cadence)
WCAD	0-225	Cadence Number (0 is reserved for continuous tone and cannot be changed)
CDNC	xxxx xxxx ... xxxx	Cadence
END	a...a	End treatment for cadence (a...a = REPT, ON, or OFF)
- CYCS	x x x x	Cycles
- WTON	(NO) YES	Define Tones associated with the cadence
- - TONES	ttt ttt ...	NT8D17 tones (0-255) to be used with each phase of the cadence

FDTD: Flexible Dial Tone Detection data block

Prompt	Response	Comment
REQ	aaa	Request
TYPE	FDTD	Type of data block = FDTD (Flexible Dial Tone Detection)
TABL	0-31	Table number
ACNO	1-4	Access Code Number
- OACn	x....x	Outgoing Access Code (1-4 digits)
- DTPn	(YES) NO	Dial Tone Post-dial
- CNT	(0)-15	Count
DGTS	x...x	Digits

FTC: Flexible Tones and Cadences data block

An FTC table number can be entered for each trunk route at prompt TTBL in LD16. Table 0 is the default for all trunk routes and contains the defaults for North America.

Prompt	Response	Comment
REQ	aaa	Request
TYPE	FTC	Type of data block = FTC (Flexible Tones and Cadences)
TABL	0-31	FTC Table number
USER	(NO) YES	Print users of this table and tone table values (tone table value only)
DFLT	0-31	Default to existing FTC tone table
RING	(NO) YES	Change the ringing feature definitions
- NCAD	(1)-255	Normal Cadence
- NBCS		Normal BCS (SL-1 set) ringing
- - TDSH	i bb c tt	TDS Hex (Default is 0032)
- - XTON	0-(2)-255	XCT (NT8D17 Conference/TDS) Tone code
- DCAD	0-(2)-255	Distinctive Cadence
- DBCS		Distinctive BCS (SL-1 set) ringing
- - TDSH	i bb c tt	TDS Hex (Default is 0082)
- - XTON	0-(2)-255	XCT (NT8D17 Conference/TDS) Tone code
- ICAD	0-(5)-255	Intercom Cadence
- IBCS		Intercom ringing for BCS (SL-1)sets
- - TDSH	i bb c tt	TDS Hex (Default is 0012)
- - XTON	0-(2)-255	XCT (NT8D17 Conference/TDS) Tone code
- NDR1 PBX	0-255	Network Distinctive Ring 1 cadence for PBX sets
- NDR1 BCS		Network Distinctive Ring 1 for BCS (SL-1) sets
- - TDSH	i bb c tt	TDS Hex (Internal/External, burst, cadence and tone)
- - XTON	0-(2)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	0-(2)-255	XCT (NT8D17 Conference/TDS) Cadence code

- NDR2 PBX	0-255	Network Distinctive Ring 2 cadence for PBX sets
- NDR2 BCS		Network Distinctive Ring 2 for BCS (SL-1) sets
- - TDSH	i bb c tt	TDS Hex (Internal/External, burst, cadence and tone)
- - XTON	0-(2)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	0-(2)-255	XCT (NT8D17 Conference/TDS) Cadence code
- NDR3 PBX	0-255	Network Distinctive Ring 3 cadence for PBX sets
- NDR3 BCS		Network Distinctive Ring 3 for BCS (SL-1) sets
- - TDSH	i bb c tt	TDS Hex (Internal/External, burst, cadence and tone)
- - XTON	0-(2)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	0-(2)-255	XCT (NT8D17 Conference/TDS) Cadence code
- NDR4 PBX	0-255	Network Distinctive Ring 4 cadence for PBX sets
- NDR4 BCS		Network Distinctive Ring 4 for BCS (SL-1) sets
- - TDSH	i bb c tt	TDS Hex (Internal/External, burst, cadence and tone)
- - XTON	0-(2)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	0-(2)-255	XCT (NT8D17 Conference/TDS) Cadence code
- RCAD	0-(1)-255	Recall Cadence
- RBCS		Recall for BCS (SL-1) sets
- - TDSH	i bb c tt	TDS Hex (Default is 0032)
- - XTON	0-(2)-255	XCT (NT8D17 Conference/TDS) Tone code
- GCAD	0-(1)-255	Group Call Cadence
- GBCS		Group Call for BCS (SL-1) sets
- - TDSH	i bb c tt	TDS Hex (Default is 0082)
- - XTON	0-(2)-255	XCT (NT8D17 Conference/TDS) Tone code
- HCAD	0-(1)-255	Held call reminder Cadence
- HBCS		Held call reminder ringing for BCS (SL-1) sets
- - TDSH	i bb c tt	TDS Hex (Default is 0082)
- - XTON	0-(2)-255	XCT (NT8D17 Conference/TDS) Tone code
- PCAD	0-255	Recall or Misoperation Cadence
- PBCS		Recall or Misoperation ringing for BCS
- - TDSH	i bb c tt	TDS Hex (Default is 0032)

- - XTON	0-(4)-255	XCT (NT8D17 Conference/TDS) Tone code
HCCT	(NO) YES	Hardware Controlled Cadences and Tones
- DIAL		Dial tone
- EEST		End-to-End Signaling Feedback Tone
- - TDSH	i bb c tt	TDS Hex (Default is 0004)
- - XTON	0-(4)-255	XCT (NT8D17 Conference/TDS) Tone code For EEST, this value is set to 0 no matter what is entered.
- - XCAD	(0)-55	XCT (NT8D17 Conference/TDS) Cadence number (FCAD cadence number)
- CFWT		Conference Warning Tone
- - XTON	0-(3)-255	Conference Warning Tone number. A tone number provided by the tone circuit.
- - XCAD	0-(19)-255	Conference Warning Tone cadence number. The cadence number should be set up under FCAD.
- SURV		Flexible Survivable Dial Tone
- - XTON	0-(4)-255	Flexible Survivable Dial Tone Code
- - XCAD	0-(253)-255	Flexible Survivable Dial Tone Cadence number
- SPCL		Special dial tone
- - TDSH	0 00 0 tt	TDS Hex (Default is 0004)
- - XTON	0-(4)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	(0)-255	XCT (NT8D17 Conference/TDS) Cadence number (FCAD Cadence number)
- CDT		Control Dial Tone
- - TDSH	i bb c tt	TDS Hex (Default is 0004)
- - XTON	0-(4)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	(0)-255	XCT (NT8D17 Conference/TDS) Cadence number
- CFDT		Call Forward Dial Tone
- - TDSH	i bb c tt	TDS Hex (Default is 0004)
- - XTON	0-(4)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	(0)-255	XCT (NT8D17 Conference/TDS)

- MWDT		Message Waiting Dial Tone
- - TDSH	i bb c tt	TDS Hex (Default is 0024)
- - XTON	0-(4)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	0-(17)-255	XCT (NT8D17 Conference/TDS) Cadence number
- CFMW		Call Forward Message Waiting tone
- - TDSH	i bb c tt	TDS Hex (Default is 0024)
- - XTON	0-(4)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	0-(17)-255	XCT (NT8D17 Conference/TDS) Cadence number
- ACTN		Active feature Dial Tone
- - TDSH	i bb c tt	TDS Hex (Default is special dial tone)
- - XTON	0-(4)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	(0)-255	XCT (NT8D17 Conference/TDS) Cadence number
- BUSY		Busy tone
- - TDSH	i bb c tt	TDS Hex (Default is 0017)
- - XTON	0-(7)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	0-(16)-255	XCT (NT8D17 Conference/TDS) Cadence number
- RGBK		Ringback tone
- - TDSH	i bb c tt	TDS Hex (Default is 0035)
- - XTON	0-(5)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	0-(1)-255	XCT (NT8D17 Conference/TDS) Cadence number
- PREM		Preemption tone
- - TDSH	i bb c tt	TDS Hex (Default is 0006)
- - XTON	0-(6)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	(0)-255	XCT (NT8D17 Conference/TDS) Cadence number
- PRBK		Precedence Ringback tone
- - TDSH	i bb c tt	TDS Hex (Default is 0008D)
- - XTON	0-(11)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	0-(2)-255	XCT (NT8D17 Conference/TDS) Cadence number

- ARBK		ACD RGA (Ring Again) Ringback tone
- - TDSH	i bb c tt	TDS Hex (Default is 0008D)
- - XTON	0-(11)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	0-(2)-255	XCT (NT8D17 Conference/TDS) Cadence number
- FFCT		Flexible Feature Code Confirmation Tone
- - TDSH	i bb c tt	TDS Hex (Default is 0004)
- - XTON	0-(4)-255	XCT (NT8D17 Conference/TDS) tone code
- - XCAD	(0)-255	XCT (NT8D17 Conference/TDS) Cadence number
- LIMT		Log In Mode Tone for 500/2500 ACD sets
- - TDSH	i bb c tt	TDS Hex (Internal/External, burst, cadence and tone)
- - XTON	0-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	0-255	XCT (NT8D17 Conference/TDS) Cadence number
- NRMT		Not Ready (NRDY) Mode Tone for ACD sets
- - TDSH	i bb c tt	TDS Hex (Internal/External, burst, cadence and tone)
- - XTON	0-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	0-255	XCT (NT8D17 Conference/TDS) Cadence number
- AWUT		Automatic Wake Up special error Tone
- - TDSH	i bb c tt	TDS Hex (Default is 0027)
- - XTON	0-(4)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	(0)-255	XCT (NT8D17 Conference/TDS) Cadence number
- OVFL		Overflow tone
- - TDSH	i bb c tt	TDS Hex (Default is 0027)
- - XTON	0-(7)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	0-(17)-255	XCT (NT8D17 Conference/TDS) Cadence number
- TEST		Test tone
- - TDSH	0 0 0 tt	TDS Hex (Default is 0008)
- - XTON	0-(8)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	(0)-255	XCT (NT8D17 Conference/TDS) Cadence number
- HOWL		Howler tone

- - TDSH	i bb c tt	TDS Hex (Default is Overflow tone)
- - XTON	0-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	0-255	XCT (NT8D17 Conference/TDS) Cadence number
- ERWT		Expensive Route Warning Tone
- - TDSH	0 0 0 tt	TDS Hex (Default is 0003)
- - XTON	0-(3)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	(0)-255	XCT (NT8D17 Conference/TDS) Cadence number
- PCWT		Precedence Call Waiting Tone
- - TDSH	0 0 0 tt	TDS Hex (Default is 0003)
- - XTON	0-(3)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	(0)-255	XCT (NT8D17 Conference/TDS) Cadence number (FCAD Cadence number)
- ACFT		ACD Call Force Tone
- - TDSH	0 0 0 tt	TDS Hex (Default is 0003)
- - XTON	0-(3)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	(0)-255	XCT (NT8D17 Conference/TDS) Cadence number
- TLP		Tone to Last Party
- - TDSH	i bb c tt	TDS Hex (Default is 0003)
- - XTON	(0)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	(0)-255	XCT (NT8D17 Conference/TDS) Cadence number
- TLPT	(0)-30	Tone to Last Party Timer in seconds. No tone = 0
- PATI		Patience tone Multi-Party Operations
- - TDSH	i bb c tt	TDS Hex (Default is 0000)
- - XTON	(0)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	(0)-255	XCT (NT8D17 Conference/TDS) Cadence number
CAB	(NO) YES	M911 Call Abandon on Answer tone
- TDSH	i bb cc tt	TDS external, burst, cadence and tone
- XTON	0-255	NT8D17 TDS Tone code
- XCAD	0-255	NT8D17 Cadence code for FCAD
CAST	(NO) YES	Centralized Attendant Service Tones

- LDN		Listed Directory Number tone
- - TDSH	i bb c tt	TDS Hex (Default is 0346)
- - XTON	(0)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	0-(24)-255	XCT (NT8D17 Conference/TDS) Cadence number
- - CDNC	0-(16)-255	MCAD software Cadence number
- DI0		Dial 0 Recall tone
- - TDSH	i bb c tt	TDS Hex (Default is 0283)
- - XTON	0-(3)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	0-(22)-255	XCT (NT8D17 Conference/TDS) Cadence number
- - CDNC	0-(16)-255	MCAD software Cadence number
- HLDC		Hold Confirmation tone
- - TDSH	i bb c tt	TDS Hex (Default is 0346)
- - XTON	(0)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	0-(24)-255	XCT (NT8D17 Conference/TDS) Cadence number
- - CDNC	0-(16)-255	MCAD software Cadence number
- CPNC		Camp-On Confirmation tone
- - TDSH	i bb c tt	TDS Hex (Default is 0243)
- - XTON	0-(3)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	0-(21)-255	XCT (NT8D17 Conference/TDS) Cadence number
- - CDNC	0-(17)-255	MCAD software Cadence number
SCCT	(NO) YES	Software Controlled Cadences and Tones
ILIN		NSCC pending agent Login tone
ILOU		NSCC pending agent Logout tone
- CAMP		Camp-On tone
- - TDSH	i bb c tt	TDS Hex (Default is 0003)
- - XTON	0-(3)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	(0)-255	XCT (NT8D17 Conference/TDS) Cadence number
- - CDNC	0-(17)-255	MCAD software cadence number

- RPAW	x xx xx xx	Radio Paging Warning tone
- - CLN	1-31	Cadence Length
- - TDSH	i bb c tt	TDS Hex (Default is 0003)
- - XTON	0-(3)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	(0)-255	XCT (NT8D17 Conference/TDS) Cadence number
- - CDNC	0-(19)-255	MCAD software cadence number
- AOBT		Agent Observe Tone
- - TDSH	i bb c tt	TDS Hex (Default is 0003)
- - XTON	0-(3)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	(0)-255	XCT (NT8D17 Conference/TDS) Cadence number
- - CDNC	0-(18)-255	MCAD software cadence number
- INTU		Intrusion tone (If Small System, see note on page 791.)
- - TDSH	i bb c tt	TDS Hex (Default is 0003)
- - XTON	0-(3)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	(0)-255	XCT (NT8D17 Conference/TDS) Cadence number
- - CDNC	0-(19)-255	MCAD software cadence number
- CWT		Call Waiting Tone
- - TDSH	i bb c tt	TDS Hex (Default is 0003)
- - XTON	0-(3)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	(0)-255	XCT (NT8D17 Conference/TDS) Cadence number
- - CDNC	0-(20)-255	MCAD software cadence number
- OBKT		Observe Blocking Tone
- - TDSH	i bb c tt	TDS Hex (Default is 0003)
- - XTON	0-(3)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	(0)-255	XCT (NT8D17 Conference/TDS) Cadence number
- - CDNC	0-(17)-255	MCAD software cadence number
- OVRD		Override tone
- - TDSH	i bb c tt	TDS Hex (Default is 0003)
- - XTON	0-(3)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	(0)-255	XCT (NT8D17 Conference/TDS) Cadence number
- - CDNC	0-(18)-255	MCAD software cadence number

- OHQ		Off-Hook Queuing tone
- - TDSH	i bb c tt	TDS Hex (Default is 0003)
- - XTON	0-(3)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	(0)-255	XCT (NT8D17 Conference/TDS) Cadence number
- - CDNC	0-(3)-255	MCAD software cadence number
- SRT		Set Relocation Tone
- - TDSH	i bb c tt	TDS Hex (Default is 0003)
- - XTON	0-(3)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	(0)-255	XCT (NT8D17 Conference/TDS) Cadence number
- - CDNC	0-(22)-255	MCAD software cadence number
- TMAT		Telephone Messaging Alert Tone
- - TDSH	i bb c tt	TDS Hex (Default is 0003)
- - XTON	0-(3)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	(0)-255	XCT (NT8D17 Conference/TDS) Cadence number
- - CDNC	0-(22)-255	MCAD software cadence number
- TMOT		Telephone Messaging OK Tone
- - TDSH	i bb c tt	TDS Hex (Default is 0003)
- - XTON	0-(3)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	(0)-255	XCT (NT8D17 Conference/TDS) Cadence number
- - CDNC	0-(23)-255	MCAD software cadence number
- TSUT		Telephone Status Update Tone
- - TDSH	i bb c tt	TDS Hex (Default is 0003)
- - XTON	0-(3)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	(0)-255	XCT (NT8D17 Conference/TDS) Cadence number
- - CDNC	0-(23)-255	MCAD software cadence number
ABST		Authorization Code Conditionally Last Enhancement cadence
- XTON	0-(4)-255	NT8D17 TDS Tone code
- XCAD	(0)-255	NT8D17 TDS Cadence code
- CDNC	0-(2)-255	MCAD table entry for this cadence

PNNC		Process Notification for Networked Calls tone
- XTON	(0)-255	NT8D17 TDS Tone code
- XCAD	(0)-255	NT8D17 TDS Cadence code
- CDNC	0-(2)-255	MCAD table entry for this cadence
SRC	(NO) YES	Source
- SRC1		Source tone 1
- - TDSH	i bb c tt	TDS Hex (Default is 0000)
- - XTON	(0)-255	XCT (NT8D17 Conference/TDS) Tone code
- - XCAD	(0)-255	XCT (NT8D17 Conference/TDS) Cadence number
- SRC2		Source tone 2
- SRC3		Source tone 3
- SRC4		Source tone 4
- SRC5		Source tone 5
- SRC6		Source tone 6
- SRC7		Source tone 7
- SRC8		Source tone 8
MINT	(NO) YES	Allow tones or announcements
- CFSN	0-255 0-255	Call Forward All Calls active
- - TDSH	i bb c tt	Third parameter
- CPOQ	0-255 0-255	Call is being parked or set is in Off-Hook Queuing state
- - TDSH	i bb c tt	Third parameter
- RGAR	0-255 0-255	Ring Again is applied by another set
- - TDSH	i bb c tt	Third parameter
- RPCT	0-255 0-255	Confirmation Tone replaced by an announcement
- - TDSH	i bb c tt	Third parameter
- RGAB	0-255 0-255	Station Dialed Busy
- - TDSH	i bb c tt	Third parameter
- MWAN	0-255 0-255	Message Waiting
- - TDSH	i bb c tt	Third parameter
- DNDA	0-255 0-255	Do Not Disturb
- - TDSH	i bb c tt	Third parameter
- SSLK	0-255 0-255	Set Status Lockout
- - TDSH	i bb c tt	Third parameter

PULS	(NO) YES	Pulse timers are to be changed
- P10	4 (8)	Codes for make/break ratio for 10 pps
- ID1	256-(768)-1024	Inter-Digit 1
- ID2	256-(512)-1024	Inter-Digit 2
- IDD	256-1024	Inter-Digit DTMF
- IDE	256-(384)	EOS interdigital pause in milliseconds
RVDL	(0) x	Reverse Dial format

MCAD: Master cadence data block

Prompt	Response	Comment
REQ	aaa	Request
TYPE	MCAD	Type of data block = MCAD (Master cadence)
WACD	0-225	Cadence Number (0 is reserved for continuous tone and cannot be changed)
CDNC	xxxx xxxx ... xxxx	Cadence

RART: Route Access Restriction table data block

Prompt	Response	Comment
REQ	CHG	Request. REQ = NEW or OUT is not accepted for RART.
TYPE	RART	Type of data block = RART (Route Access Restriction table)
CUST	xx	Customer number
ROUT	(0)-127	Route
ART	1-63	Access Restriction Table

RCDT: Route Category Default Table data block

Prompt	Response	Comment
REQ	CHG	Request. When TYPE = RCDT, you cannot enter NEW or OUT at the REQ prompt.
TYPE	RCDT	Type of data block = RCDT (Route Category Default table)
COT	(0)-63	COT, FEX, WAT. These route types will be assigned the entered ART when the route is created in LD16.
DID	(0)-63	These route types will be assigned the entered ART when the route is created in LD16
TIE	(0)-63	CAA, CAM, CSA, TIE
OTH	(0)-63	Other

TBAR: Trunk Barring data block

Prompt	Response	Comment
REQ	NEW CHG	Request
TYPE	TBAR	Type of data block = TBAR (Trunk Barring)
ART	1-63	Access Restriction Table
DENY	yyy yyy ...	Enter ART number denied to Originating Trunk Connection (OTC)

Print a customer defined route's ART course

Prompt	Response	Comment
REQ	PRT	Request
TYPE	aaa	Type of data block
CUST	xx	Customer number
ROUT	(0)-127	Route

Default Master Cadence (MCAD) tables

WCAD =	DEFAULT MCAD TABLE (Master Cadence Table)
000	CDNC = 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000
001	CDNC = 0410 0800 0000 0000 0000 0000 0000 0000 0000 0000
002	CDNC = 0308 0076 0308 0076 0000 0000 0000 0000 0000 0000
003	CDNC = 0205 0000 0000 0000 0000 0000 0000 0000 0000 0000
004	CDNC = 0102 0102 0205 0819 0000 0000 0000 0000 0000 0000
005	CDNC = 0100 0100 0000 0000 0000 0000 0000 0000 0000 0000
016	CDNC = 0128 0000 0000 0000 0000 0000 0000 0000 0000 0000
017	CDNC = 0051 0000 0000 0000 0000 0000 0000 0000 0000 0000
018	CDNC = 0205 3072 0051 3072 0000 0000 0000 0000 0000 0000
019	CDNC = 0205 1229 0051 1229 0000 0000 0000 0000 0000 0000
020	CDNC = 0051 0026 0051 2048 0000 0000 0000 0000 0000 0000
021	CDNC = 0410 0000 0000 0000 0000 0000 0000 0000 0000 0000
022	CDNC = 0102 0000 0000 0000 0000 0000 0000 0000 0000 0000
023	CDNC = 0512 0000 0000 0000 0000 0000 0000 0000 0000 0000

Master Cadence (MCAD) table for Japan

001	CDNC = 0050 0050 0050 0450 0000 0000 0000 0000 0000 0000
002	CDNC = 0200 0400 0000 0000 0000 0000 0000 0000 0000 0000

Default Firmware Cadence (FCAD) tables

WCAD =	DEFAULT FCAD TABLE (Firmware Cadence Table)
000	Cadence number in the Master Cadence table (MCAD) CDNC = 0000 0000 0000 0000 0000 0000 0000 0000 0000 0000 END = OFF SPCL = NO
001	Cadence number in the Master Cadence table (MCAD) CDNC = 0410 0800 0000 0000 0000 0000 0000 0000 0000 0000 END = REPT CYCS = 1 SPCL = NO
002	Cadence number in the Master Cadence table (MCAD) CDNC = 0308 0076 0308 0076 0000 0000 0000 0000 0000 0000 END = REPT CYCS = 1 2 SPCL = NO
003	Cadence number in the Master Cadence table (MCAD) CDNC = 0205 0000 0000 0000 0000 0000 0000 0000 0000 0000 END = OFF SPCL = NO
004	Cadence number in the Master Cadence table (MCAD) CDNC = 0102 0102 0205 0819 0000 0000 0000 0000 0000 0000 END = REPT CYCS = 1 2 SPCL = NO
005	Cadence number in the Master Cadence table (MCAD) CDNC = 0100 0100 0000 0000 0000 0000 0000 0000 0000 0000 END = REPT CYCS = 1 SPCL = NO

(Part 1 of 3)

WCAD =	DEFAULT FCAD TABLE (Firmware Cadence Table)
016	Cadence number in the Master Cadence table (MCAD) CDNC = 0100 0100 0000 0000 0000 0000 0000 0000 0000 0000 END = REPT CYCS = 1 SPCL = NO
017	Cadence number in the Master Cadence table (MCAD) CDNC = 0050 0050 0000 0000 0000 0000 0000 0000 0000 0000 END = REPT CYCS = 1 SPCL = NO
018	Cadence number in the Master Cadence table (MCAD) CDNC = 0010 0010 0000 0000 0000 0000 0000 0000 0000 0000 END = REPT CYCS = 1 SPCL = NO
019	Cadence number in the Master Cadence table (MCAD) CDNC = 0040 0060 0000 0000 0000 0000 0000 0000 0000 0000 END = REPT CYCS = 1 SPCL = NO
020	Cadence number in the Master Cadence table (MCAD) CDNC = 0015 0000 0000 0000 0000 0000 0000 0000 0000 0000 END = OFF SPCL = NO
021	Cadence number in the Master Cadence table (MCAD) CDNC = 0020 0000 0000 0000 0000 0000 0000 0000 0000 0000 END = OFF SPCL = NO
022	Cadence number in the Master Cadence table (MCAD) CDNC = 0020 0020 0020 0000 0000 0000 0000 0000 0000 0000 END = OFF SPCL = NO

(Part 2 of 3)

WCAD =	DEFAULT FCAD TABLE (Firmware Cadence Table)
023	Cadence number in the Master Cadence table (MCAD) CDNC = 0060 0000 0000 0000 0000 0000 0000 0000 0000 0000 END = OFF SPCL = NO
024	Cadence number in the Master Cadence table (MCAD) CDNC = 0020 0000 0020 0000 0020 0000 0000 0000 0000 0000 END = OFF SPCL = YES
025	Cadence number in the Master Cadence table (MCAD) CDNC = 0200 0000 0000 0000 0000 0000 0000 0000 0000 0000 END = OFF SPCL = NO
026	Cadence number in the Master Cadence table (MCAD) CDNC = 0050 0000 0000 0000 0000 0000 0000 0000 0000 0000 END = OFF SPCL = NO
027	Cadence number in the Master Cadence table (MCAD) CDNC = 0400 0000 0000 0000 0000 0000 0000 0000 0000 0000 END = OFF SPCL = NO
028	Cadence number in the Master Cadence table (MCAD) CDNC = 0125 0000 0000 0000 0000 0000 0000 0000 0000 0000 END = OFF SPCL = NO
029	Cadence number in the Master Cadence table (MCAD) CDNC = 0030 0070 0000 0000 0000 0000 0000 0000 0000 0000 END = REPT CYCS = 1 SPCL = NO

(Part 3 of 3)

Firmware Cadence (FCAD) table for Japan

WCAD =	DEFAULT FCAD TABLE (Cadence Table for JAPAN TDS)
001	Cadence number in the Master Cadence table (MCAD) CDNC = 0200 0400 0000 0000 0000 0000 0000 0000 0000 0000 END = REPT CYCS = 1 2 SPCL = NO
002	Cadence number in the Master Cadence table (MCAD) CDNC = 0050 0050 0050 0450 0000 0000 0000 0000 0000 0000 END = REPT CYCS = 1 SPCL = NO
017	Cadence number in the Master Cadence table (MCAD) CDNC = 0100 0050 0000 0000 0000 0000 0000 0000 0000 0000 END = REPT CYCS = 1

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
ABST		Authorization Code Conditionally Last Enhancement cadence	nars-24
ACFT		ACD Call Force Tone When defining the hex codes for this tone, only the code for the frequency/level is required as the cadence is provided by software. Enter zero for the other values (e.g., TDSH = 0 0 0 xx, XTON = xxx, XCAD = 000).	ftc-13
ACNO	1-4 <CR>	Access Code Number Outgoing Access Code to be used (4 codes per table) Go to DGTS prompt (REQ = CHG)	ftc-12
ACTN		Active feature dial tone	ftc-12
ANAT	aaa	Announcement when terminating to the PC Attendant. Where: • aaa = R000 - R128 announcement is given via RAN announcement	atan-25.4
ANFA	aaa	Announcement when CFNA to PC Attendant. Where: • aaa = R000 - R128 announcement is given via RAN announcement	atan-25.4
ANFB	aaa	Announcement when CFB to PC Attendant. Where: • aaa = R000 - R128 announcement is given via RAN announcement	atan-25.4
ANNS	aaa	Announcement when terminating to night station. Where: • aaa = R000 - R128 announcement is given via RAN announcement	atan-25.4

Prompt	Response	Comment	Pack/Rel
ANOF	aaa	Announcement on calls overflowed from the PC Attendant queue. Where: • aaa = R000 - R128 announcement is given via RAN announcement	atan-25.4
ANQU	(NO) YES	PC Attendant Announcement is given on calls in PC Attendant or night service queue only.	atan-25.4
ANSR	aaa	Announcement when slow answer recall. Where: • aaa = R000 - R128 announcement is given via RAN announcement	atan-25.4
ANXC	aaa	Announcement on calls extended by PC Attendant. Where: • aaa = R000 - R128 announcement is given via RAN announcement	atan-25.4
AOBT		Agent Observe Tone This cadence repeats the last 8 on/off phases to allow for a special tone burst on the first cycle. For example, a cadence is defined as 3 s on, 3 s off, 1 s on, 3 s off. After the initial burst, the tone repeats in a 1 s on, 3 s off pattern. In order to repeat the initial 3 s burst, it must be entered as the first and last cycle because the first cycle is not repeated. In this case the cadence is defined as: 3 s on, 3 s off, 1 s on, 3 s off, 3 s on 3 s off.	ftc-13
ARBK		ACD RGA (Ring Again) Ringback tone	ftc-13
ART	1-63 <CR>	Access Restriction Table Return to REQ prompt ART remains unchanged Printing of the route category default table occurs	ftc-10
AWUT		Automatic Wake Up special error Tone	mlwu-16
BUSY		Busy tone	ftc-13
CAB	(NO) YES	M911 Call Abandon on Answer tone	M911-19

Prompt	Response	Comment	Pack/Rel
CAMP		Camp-On tone	ftc-13
CAST	(NO)YES	Centralized Attendant Service Tones Modification to the CAS (Centralized Attendant Service) tone definition. For systems with XCT (NT8D17 Conference/TDS) cards, each feature requires a firmware cadence (XCAD), a software cadence (CNDN) and tone (XTON). Due to the finer resolution of the firmware cadence (5 ms) compared to the software (96/128 ms), you should allow the software cadence to be long enough to cover the full duration of the XCAD. For example, to define a cadence of 0.1 s on, 0.1 s off, 0.1 s on, steady off • CDNC0020 0020 0020 0000 • END OFF • SPCL The software cadence is then 0.3 s (600 ms). If the software precision is 128 ms, the software cadence is calculated as follows: • 600 ms/128 = 4.6 = 5 (rounded up) • 128 x 5 = 640 Entry to on phase = 640/5 = 0128, and to define the cadence enter 0128 to prompt CDNC.	ftc-13
CDNC	xxxx xxxx ... xxxx	On-off phases for Cadence (ten on-off cycles) Entries 1 through 15 are reserved for ringing cadences. When defining the cadences in MCAD each phase entry is in 5 millisecond increments. The range for the first phase is 1-9999 increments.The range for the second phase is 0-9999 increments. The default is 0 0 0 0 0 0 0 0 0 0. See the the default MCAD Tables on page 807.	ftc-14
	0-(16)-255	MCAD software cadence number	ftc-14
	0-(17)-255	MCAD software cadence number	

Prompt	Response	Comment	Pack/Rel
	0-(19)-255 0-(18)-255	MCAD software cadence number (see *Note 5*) MCAD software cadence number (see *Note 5*)	
	0-(20)-255	MCAD software cadence number	
	0-(3)-255	MCAD software cadence number	
	0-(22)-255	MCAD software cadence number	
	0-(23)-255	MCAD software cadence number	
CDT		Control Dial Tone	ftc-13
CFDT		Call Forward Dial Tone	ftc-13
CFMW		Call Forward Message Waiting tone	ftc-13
CFWT		Conference Warning Tone (applies only to Small System)	basic-21
CFSN	0-255 0-255	Call Forward All Calls active First parameter is the MCAD table cadence entry number. Second parameter is the XCT tone code.	ftc-15
CLN	1-31	Cadence Length (length of the Camp-On tone burst in 96 or 128 millisecond increments) See TMRK prompt in LD17.	ftc-9
CNT	(0)-15	Count Number of digits outpulsed before dial tone detector reconnection (0 specifies that digit counting is not to be used).	ftc-12
COT	(0)-63	COT, FEX, WAT. These route types will be assigned the entered ART when the route is created in LD 16.	
CPNC		Camp-On Confirmation tone	ftc-13
CPOQ	0-255 0-255	Call is being Parked or set is in Off-Hook Queuing state. First parameter is the MCAD table cadence entry number. Second parameter is the XCT tone code.	ftc-15
CUST	xx	Customer number as defined in LD15	cust-15

Prompt	Response	Comment	Pack/Rel
CWT		Call Waiting Tone	ftc-13
CYCS	x x x x	On-off Cycles (1 to 5) to be repeated. Default is no repeats. Prompted when END = REPT	ftc-14
DBCS		Distinctive BCS (SL-1 set) ringing	ftc-13
DCAD	0-(2)-255	Distinctive Cadence	ftc-13
		500/2500 and Digital set ringing MCAD cadence number. (See *Notes* 1 and 3)	
		It is recommended that the cadence used matches the cadence provided for SL-1 sets (prompt DBCS). DCAD is also used for SL-1 sets in systems with XCT (NT8D17 Conference/TDS) cards.	
DDGT	xxxxx X <CR>	Dialed digits (1-5 digits) To remove To end	pnp-15
DENY	yyy yyy ...	Enter ART number denied to Originating Trunk Connection (OTC)	ftc-10
	ALL xALL	Deny all ARTs to OTC All ART numbers are allowed to OTC	
	Xyyy Xyyy .. <CR>	Enter ART numbers allowed to OTC Return to REQ prompt with no table being stored	
		The ART is removed unless it is used as a default when REQ = OUT. REQ = NEW or OUT is disallowed for RART.	
DFLT	0-31 <CR>	Default to existing FTC tone table Create tone table without defaulting Prompted when REQ = NEW	ftc-13
DGTS	xxxx	Digits The system will wait for dial tone after these additional (1-4) digits.	ftc-12
	Xxxxx <CR>	Remove digit sequence from table Return to REQ prompt DGTS prompt will repeat until <CR> is pressed.	

Prompt	Response	Comment	Pack/Rel
DI0		Dial 0 recall tone	ftc-13
DIAL		Dial tone	ftc-13
DID	(0)-63	These route types will be assigned the entered ART when the route is created in LD 16	
DNDA	0-255 0-255	Do Not Disturb First parameter is the MCAD table cadence entry number. Second parameter is the XCT tone code.	ftc-15
DTPn	(YES) NO	Dial Tone Post-dial Dial tone detector is to be reconnected immediately after Outgoing Access (OACn).	ftc-12
EEST		End-to-End Signaling feedback Tone Indicates that the improved EES tone is used. There is actually no cadence. When using the Enhanced Conference/TDS card, the XCAD prompt is not printed, and the cadence is set to 0 no matter what is entered.	ees-19
END	 REPT ON OFF	End treatment for cadence Repeating cycles (defined by the CYCS prompt) End cadence on the “on” phase End cadence on the “off” phase	ftc-14
ERWT		Expensive Route Warning Tone When defining the hex codes for this tone, only the code for the frequency/level is required as the cadence is provided by software. Enter zero for the other values (e.g., TDSH = 0 0 0 xx, XTON = xxx, XCAD = 000).	ftc-13

Prompt	Response	Comment	Pack/Rel
FFCT		Flexible Feature Code Confirmation Tone This tone allows users of 500/2500 or multi-line telephones to receive a confirmation tone after activating/deactivating the following features: • Call Forward activate/deactivate • Ring Again deactivate • Store/erase Stored Number Redial • all Automatic Wake Up codes • Speed Call store • any verification code	ffc-15
GBCS		Group Call ringing for BCS (SL-1) sets	grp-13
GCAD	0-(1)-255	Group Call Cadence 500/2500 and Digital set Group Call Ringing Cadence MCAD cadence number It is recommended that the cadence used matches the cadence provided for SL-1 sets (prompt GBCS). GCAD is also used for SL-1 sets in systems with XCT (NT8D17 Conference/TDS) cards.	grp-14
HBCS		Held call ringing for BCS (SL-1) sets	ftc-13
HCAD	0-(1)-255	Held call reminder Cadence 500/2500 and Digital set held call reminder ringing cadence MCAD cadence number It is recommended that the cadence used matches the cadence provided for SL-1 sets (prompt HBCS). HCAD is also used for SL-1 sets in systems with XCT (NT8D17 Conference/TDS) cards.	ftc-13
HCCT	(NO) YES	Hardware Controlled Cadences and Tones Modification of the hardware (TDS card) controlled cadence tone definitions allowed. For systems with XCT (NT8D17 Conference/TDS) cards, each feature requires a firmware cadence (XCAD) and tone (XTON). For other TDS cards, the tone and cadence is defined by prompt TDSH.	ftc-13
HLDC		Hold Confirmation tone	ftc-13

Prompt	Response	Comment	Pack/Rel
HOWL		Howler tone	ftc-13
IBCS		Intercom ringing for BCS (SL-1)sets Distinctive Dial Intercom ringing for BCS (SL-1) sets	ftc-13
ICAD	0-(5)-255	Intercom Cadence 500/2500 and Digital set Dial Intercom Distinctive ringing MCAD cadence number It is recommended that the cadence used matches the cadence provided for SL-1 sets (prompt IBCS). ICAD is also used for SL-1 sets in systems with XCT (NT8D17 Conference/TDS) cards.	ftc-13
ID1	256-(768)-1024	Inter-Digit 1(P10 interdigit pause in milliseconds)	ftc-13
ID2	256-(512)-1024	Interdigit 2 (P20 interdigit pause in milliseconds)	ftc-13
IDD	256-1024	Interdigit DTMF pause in milliseconds Default is 512 if 100 is the response to prompt DTRB in LD 17. Otherwise, the default is 384.	ftc-13
IDE	256 - (384)	EOS interdigital pause in ms. Prompted if DDD package is equipped and PULS = YES.	ftc-13
ILIN		Nortel Symposium Call Center (NXCC) pending agent Login tone	nxcc-22
ILOU		Nortel Symposium Call Center (NXCC) pending agent Logout tone	nxcc-22

Prompt	Response	Comment	Pack/Rel
INTU		Intrusion tone This cadence repeats the last 8 on/off phases to allow for a special tone burst on the first cycle. For example, a cadence is defined as 3 s on, 3 s off, 1 s on, 3 s off. After the initial burst, the tone repeats in a 1 s on, 3 s off pattern. In order to repeat the initial 3 s burst, it must be entered as the first and last cycle because the first cycle is not repeated. In this case the cadence is defined as: 3 s on, 3 s off, 1 s on, 3 s off, 3 s on 3 s off.	ftc-13
LDN		Listed Directory Number tone	ftc-13
LIMT		Log In Mode Tone for 500/2500 ACD sets This is the tone setting for ACD services to 500/2500 agent sets. You must have Flexible Tones and Cadences (FTC) supported for this feature to function properly.	bacd-16
MINT	(NO) YES	Allow tones or announcements (NO- tone default values)	mint-15
MWAN	0-255 0-255	Message Waiting The first parameter is the MCAD table cadence entry number. The second parameter is the XCT tone code.	ftc-15
MWDT		Message Waiting Dial Tone	ftc-13
NBCS		Normal BCS (SL-1 set) ringing	ftc-13
NCAD	(1)-255	Normal Cadence 500/2500 and Digital set ringing MCAD cadence number. (*Notes* 1 and 3) It is recommended that the cadence used matches the cadence provided for SL-1 sets (prompt NBCS). NCAD is also used for SL-1 sets in systems with XCT (NT8D17 Conference/TDS) cards.	ftc-13
NDR1 BCS		Network Distinctive Ring 1 for BCS (SL-1) sets	ftc-16

Prompt	Response	Comment	Pack/Rel
NDR1 PBX		Network Distinctive Ring 1 cadence for PBX sets	ftc-16
	0-255	500/2500 and Digital set Network Distinctive Ringing cadence 1 MCAD cadence number. It is recommended that the cadence used matches the cadence provided for SL-1 sets (prompt NDR1 BCS). NDR1 PBX is also used for SL-1 sets in systems with XCT (NT8D17 Conference/TDS) cards.	
NDR2 BCS		Network Distinctive Ring 2 for BCS (SL-1) sets	ftc-16
NDR2 PBX		Network Distinctive Ring 2 cadence for PBX sets	ftc-16
	0-255	500/2500 and Digital set Network Distinctive Ringing cadence 2 MCAD cadence number. It is recommended that the cadence used matches the cadence provided for SL-1 sets (prompt NDR2 BCS). NDR2 PBX is also used for SL-1 sets in systems with XCT (NT8D17 Conference/TDS) cards.	
NDR3 BCS		Network Distinctive Ring 3 for BCS (SL-1) sets	ftc-16
NDR3 PBX		Network Distinctive Ring 3 cadence for PBX sets	ftc-16
	0-255	500/2500 and Digital set Network Distinctive Ringing cadence 3 MCAD cadence number. It is recommended that the cadence used matches the cadence provided for SL-1 sets (prompt NDR3 BCS). NDR3 PBX is also used for SL-1 sets in systems with XCT (NT8D17 Conference/TDS) cards.	
NDR4 BCS		Network Distinctive Ring 4 for BCS (SL-1) sets	ftc-16
NDR4 PBX		Network Distinctive Ring 4 cadence for PBX sets	ftc-16
	0-255	500/2500 and Digital set Network Distinctive Ringing cadence 4 MCAD cadence number It is recommended that the cadence used matches the cadence provided for SL-1 sets (prompt NDR4 BCS). NDR4 PBX is also used for SL-1 sets in systems with XCT (NT8D17 Conference/TDS) cards.	

Prompt	Response	Comment	Pack/Rel
NIPR	(NO) YES	Nightstation announcement priority. If NIPR is set to YES, ANNS is given for each call to the nightstation.	atan-25.4
NRMT		Not Ready (NRDY) Mode Tone for ACD sets This is the tone setting for the NRDY function within ACD services to 500/2500 agent sets. You must have Flexible Tones and Cadences supported for this feature to function properly.	bacd-16
OACn	xxxx Xxxxx	Outgoing Access Code (1-4 digits) Where: n = ACNO response Remove OACn	ftc-12
OBKT		Observe Blocking Tone	ftc-13
OHQ		Off-Hook Queuing tone	ftc-13
OTH	(0)-63 <CR>	Other (ADM, DIC, MDM, PAG, RCD) These route types will be assigned the entered ART when the route is created in LD 16. Return to REQ prompt.	ftc-10
OVFL		Overflow tone	ftc-13
OVRD		Override tone This cadence repeats the last 8 on/off phases to allow for a special tone burst on the first cycle. For example, a cadence is defined as 3 s on, 3 s off, 1 s on, 3 s off. After the initial burst, the tone repeats in a 1 s on, 3 s off pattern. In order to repeat the initial 3 s burst, it must be entered as the first and last cycle because the first cycle is not repeated. In this case the cadence is defined as: 3 s on, 3 s off, 1 s on, 3 s off, 3 s on 3 s off.	ftc-13
P10	4 (8)	Codes for make/break ratio for 10 pps. Other make/break ratio (Prompt S10P in LD97) North American make/break ratio (Prompt S10P in LD97) (See also CLS P10 in LD 14)	ftc-13
PATI		Patience tone multi-party operations	frta-21

Prompt	Response	Comment	Pack/Rel
PBCS		Recall or Misoperation ringing for BCS (SL-1) sets (default is SL-1 ringing tone TDS code)	ftc-12
PCAD	0-255	Recall or Misoperation Cadence 500/2500 and Digital set Recall or Misoperation ringing cadence MCAD cadence number It is recommended that the cadence used matches the cadence provided for SL-1 sets (prompt PBCS). PCAD is also used for SL-1 sets in systems with XCT (NT8D17 Conference/TDS) cards.	ftc-12
PCWT		Precedence Call Waiting Tone When defining the TDS hex codes for this tone, only the code for the frequency/level is required as the cadence is provided by software. Enter zero for the other values (e.g., 0 0 0 xx).	ftc-13
PNNC		Process Notification for Networked Calls tone	mfc-24
PRBK		Precedence Ringback tone	ftc-13
PREM		Preemption tone	ftc-13
PULS	(NO) YES	Pulse timers are to be changed	ftc-13
RBCS		Call Park Recall ringing for BCS (SL-1) sets	ftc-14
RCAD	0-(1)-255	Recall Cadence 500/2500 and digital set Call Park recall ringing cadence MCAD cadence number. RCAD is also used for SL-1 sets in systems with XCT (NT8D17 Conference/TDS) cards.	ftc-14
REQ	 CHG END NEW OUT PRT	Request Change existing data block Exit Overlay program Add new data block to the system Remove data block Print data block	ftc-13

Prompt	Response	Comment	Pack/Rel
RGAB	0-255 0-255	Station Dialed Busy (calling party allowed to apply Ring Again) The first parameter is the MCAD table cadence entry number. The second parameter is the XCT tone code.	ftc-15
RGAR	0-255 0-255	Ring Again is applied by another set The first parameter is the MCAD table cadence entry number. The second parameter is the XCT tone code.	ftc-15
RGBK		Ringback tone	ftc-13
RING	(NO) YES	Change the Ringing feature definitions For systems with NT8D17 Conference/TDS cards, all telephones share the same ringing cadence. SL-1 telephones require an NT8D17 tone (XTON).	ftc-13
ROUT	(0)-127 <CR>	Route Print routes with non-zero ART numbers, along with the ART number. Return to REQ prompt. REQ = NEW or OUT is disallowed for RCDT	ftc-10
RPAW	x xx xx xx	Radio Paging Warning tone	ftc-15
RPCT	0-255 0-255	Confirmation Tone Replaced by an announcement The first parameter is the MCAD table cadence entry number. The second parameter is the XCT tone code.	ftc-15
RVDL	 (0) 1 2	Reverse Dial format No Reverse Dial format Reverse Dial format 1 Reverse Dial format 2	ftc-10
SCCT	(NO) YES	Software Controlled Cadences and Tones Modification of the Software Controlled Cadence Tone definitions allowed	ftc-13
SPCL		Special dial tone Only the code for the frequency/level is required as the cadence is provided by software. Enter 0 for the other values (e.g., TDSH = 0 0 0 xx, XTON = xxx, XCAD = 000).	ftc-13

Prompt	Response	Comment	Pack/Rel
SRC	(NO) YES	Source tones (SRC1 through SRC8) are required. Eight intercept Source tones can be defined. These tones are entered in LD 15 in response to the various intercept treatment prompts.	ftc-13
SRC1		Source tone 1 Prompts and default values for TDSH, XTON and XCAD are the same for all SRC1 through SRC8 prompts.	ftc-13
SRC2		Source tone 2	ftc-13
SRC3		Source tone 3	ftc-13
SRC4		Source tone 4	ftc-13
SRC5		Source tone 5	ftc-13
SRC6		Source tone 6	ftc-13
SRC7		Source tone 7	ftc-13
SRC8		Source tone 8	ftc-13
SRT		Set Relocation Tone	ftc-13
SSLK	0-255 0-255	Set Status Lockout First parameter is the MCAD table cadence entry number. Second parameter is the XCT tone code.	ftc-13
SURV		Flexible Survivable Dial Tone	ip-25.4
TABL	0-31 <CR>	FTC Table number To associate a FTC table with a trunk route, enter the table number in response to prompt TTBL in LD 16. Prints all tables	ftc-13
TBL	0-31	Announcement table number.	atan-25.4
TDSH	i bb c tt	Hexadecimal code for TDS. Internal/External, burst, cadence and tone (See *Note* 2) The default value of a TDSH prompt changes according to the tone-type prompt (e.g. NBCS, IBCS, HOWL, etc.) which precedes it.	ftc-14

Prompt	Response	Comment	Pack/Rel
TEST		Test tone	ftc-13
TIE	(0)-63	CAA, CAM, CSA, TIE These route types will be assigned the entered ART when the route is created in LD16.	
TLP		Tone to Last Party	
TLPT	(0)-30	Tone to Last Party Timer in seconds. No tone = 0.	
TMAT		Telephone Messaging Alert Tone	ftc-13
TMOT		Telephone Messaging OK Tone	ftc-13
TONE		Tone to be provide after the dialed digits.	pnp-15
	(DIAL)	Dial tone	
	SPDT	Special Dial Tone	
	SRC-SRC8	Source tones 1-8 (Valid if FTC package [125] is equipped)	
TONES	ttt ttt ...	NT8D17 tones (0-255) to be used with each phase of the cadence.	ftc-14
		Default is no tones (0 0 0 0 0). See “Default Firmware Cadence (FCAD) tables” on page 808.	
TSUT		Telephone Status Update Tone	ftc-13
TYPE		Type of data block	ftc-13
	AANN	PC Attendant Announcement data block	atan-25.4
	DTAD	Special Dial tone After Dialed number data block	
	FCAD	Firmware Cadence data block	ftc-15
	FDTD	Flexible Dial Tone Detection data block	
	FTC	Flexible Tones and Cadences data block	ftc-13
	MCAD	Master Cadence data block	ftc-14
	RART	Route Access Restriction Table data block REQ = NEW or OUT is disallowed for RART.	
	RCDT	Route Category Default Table data block	

Prompt	Response	Comment	Pack/Rel
		REQ = NEW or OUT is disallowed for RCDT.	
	TBAR	Trunk Barring data block	
USER	(NO) YES	Print Users of this table and tone table values (tone table value only) Prompted when REQ = PRT	ftc-13
WCAD	0-225	Cadence number in the Firmware Cadence table (FCAD) Cadence number 0 is reserved for continuous tone and is not changeable.	ftc-14
WTON	(NO) YES	Define tones associated with the cadence. Prompted for systems equipped with Conference /TDS / MF Sender cards.	ftc-14
XCAD	0-(2)-255	XCT (NT8D17 Conference/TDS) Cadence number (FCAD cadence number) The default range of a XCAD prompt changes according to the tone-type prompt (e.g. DBCS, HOWL, etc.) which precedes it.	ftc-19
XTON	0-(2)-255	XCT (NT8D17 Conference/TDS) Tone code	ftc-19

LD 57: Flexible Feature Codes

Overlay program 57 allows the implementation and administration of the Flexible Feature Codes (FFC) software and hardware.

Up to 100 user access codes can be entered at a time for one or more different codes. After entering 100 user access codes, SCH8891 is output.

If the Directory Number Expansion (DNXP) package 150 is equipped, up to 7 digits are allowed for Flexible Feature Codes. Otherwise, a maximum of 4 digits can be entered.

Prompts and responses

Prompt	Response	Comment
REQ	aaa	Request
TYPE	FFC	Type of data block
CUST	xx	Customer number associated with this function
FFCT	(NO) YES	Flexible Feature Confirmation Tone
CEPT	(NO) YES	Conference European Des Postes Tel defaults
- REP*	0-9	Replacement for the * in the CEPT default codes
ALL	(NO) YES	Remove all Flexible Feature Codes
CODE	aaaa	Specific Flexible Feature Code type
	ADMN	Set-based Administration sequence code
- ADMN	xxxx	Enter Flexible Feature Code
	AFTO	DSN Flash Precedence code
- AFTO	xxxx	Enter Flexible Feature Code
	AREM	Automatic Set Removal code
- AREM	xxxx	Enter Flexible Feature Code

	ASRC	Automatic Set Relocation code
- ASRC	xxxx	Enter Flexible Feature Code
	ATDA	Autodial Activated
- ATDA	xxxx	Enter Flexible Feature Code
	ATDD	Autodial Deactivated code
- ATDD	xxxx	Enter Flexible Feature Code
	ATVF	DSN Immedicate Precedence code
- ATVF	xxxx	Enter Flexible Feature Code
	ATVM	DSN Priority Precedence code
- ATVM	xxxx	Enter Flexible Feature Code
	ATVP	DSN Flash Override Precedence code
- ATVP	xxxx	Enter Flexible Feature Code
	AUTH	Authorization code
- AUTH	xxxx	Enter Flexible Feature Code
	AVNR	DSN Routine Call code
- AVNR	xxx	Enter Flexible Feature Code. Where xxx = 0-999
	AWUA	Automatic Wake Up Activate code
- AWUA	xxxx	Enter Flexible Feature Code
	AWUD	Automatic Wake Up Deactivate code
- AWUD	xxxx	Enter Flexible Feature Code
	AWUV	Automatic Wake Up Verify code
- AWUV	xxxx	Enter Flexible Feature Code
	BNRA	Busy Number Redial code
- BNRA	xxxx	Enter Flexible Feature Code
	BNRD	Busy Number Redial Deactivate code
- BNRD	xxxx	Enter Flexible Feature Code
	CCFA	Customer Call Forward code
- CCFA	xxxx	Enter Flexible Feature Code
	CCFD	Customer Call Forward Deactivate code
- CCFD	xxxx	Enter Flexible Feature Code
	CDRC	CDR Charge Account code
- CDRC	xxxx	Enter Flexible Feature Code

	CFDD	Call forward destination deactivation
- CFDD	xxxx	Enter Flexible Feature Code
	CFHO	Call Forward/HUNT Override via FFC code
- CFHO	xxxx	Enter Flexible Feature Code
	CFWA	Call Forward All Calls Activate code
- CFWA	xxxx	Enter Flexible Feature Code
	CFWD	Call Forward All Calls Deactivate code
- CFWD	xxxx	Enter Flexible Feature Code
	CFWV	Call Forward All Calls Verify code
- CFWV	xxxx	Enter Flexible Feature Code
	COND	Conference Diagnostics code
- COND	xxxx	Enter Flexible Feature Code
	CPAC	Call Park Access Code
- CPAC	xxxx	Enter Flexible Feature Code
	CPP	Calling Party Privacy code
- CPP	xxxx	Enter Flexible Feature Code
	CPPO	Calling Party Privacy Override code
- CPPO	(*82) xxxx	Enter Flexible Feature Code
	CPRK	Call Park code
- CPRK	xxxx	Enter Flexible Feature Code
	CSHF	Centrex Switchhook Flash code
- CSHF	xxxx	Enter Flexible Feature Code
	CWGA	Call Waiting Activated code
- CWGA	xxxx	Enter Flexible Feature Code
	CWGD	Call Waiting Deactivated code
- CWGD	xxxx	Enter Flexible Feature Code
	C6DS	Six-Party Conference code
- C6DS	xxxx	Enter Flexible Feature Code
	DEAF	Deactivate Feature code
- DEAF	xxxx	Enter Flexible Feature Code
	DPVS	Data Port Verification code
- DPVS	xxxx	Enter Flexible Feature Code

	ELKA	Electronic Lock Activate code
- ELKA	xxxx	Enter Flexible Feature Code
	ELKD	Electronic Lock Deactivate code
- ELKD	xxxx	Enter Flexible Feature Code
	EOVR	Enhanced Override code
- EOVR	xxxx	Enter Flexible Feature Code
	FDIS	Forced Disconnect code
- FDIS	xxxx	Enter Forced Disconnect code
	GHTA	Group Hunt Termination Allowed code
- GHTA	xxxx	Enter Flexible Feature Code
	GHTD	Group Hunt Termination Disallowed code
- GHTD	xxxx	Enter Flexible Feature Code
	GRPF	Group Call code
- GRPF	xxxx	Enter Flexible Feature Code
- - GRCL	xxxx	Group Call List number (configured in LD18).
	HIDN	Hospitality Identification (Hospitality Management) code
- HIDN	xxxx	Enter Flexible Feature Code
	HOLD	Permanent Hold code
- HOLD	xxxx	Enter Flexible Feature Code
	ICFA	Internal Call Forward Activate code
- ICFA	xxxx	Enter Flexible Feature Code
	ICFD	Internal Call Forward Deactivate code
- ICFD	xxxx	Enter Flexible Feature Code
	ICFV	Internal Call Forward Verify code
- ICFV	xxxx	Enter Flexible Feature Code
	INST	Set based administration Installer code
- INST	xxxx	Enter Flexible Feature Code
	HREL	Hospitality Relocation (Hospitality Management) code
- HREL	xxxx	Enter Flexible Feature Code
	ICPA	Intercept Computer Interface Activate code
- ICPA	xxxx	Enter Flexible Feature Code

	ICPD	Intercept Computer Interface Deactivate code
- ICPD	xxxx	Enter Flexible Feature Code
	ICPO	Intercept Computer Interface Override code
- ICPO	xxxx	Enter Flexible Feature Code
	ICPP	Intercept Computer Interface Print code
- ICPP	xxxx	Enter Flexible Feature Code
	IMS	Integrated Message System access code
- IMS	xxxx	Enter Flexible Feature Code
- ITXX	xxxx	For “1xx’ Special Services (up to 4 digits)
- - RTXX	xxxx	CO route number for the “1xx” service
	LILO	Log In-Log Out for 500/2500 ACD sets code
- LILO	xxxx	Enter Flexible Feature Code
	MLIO	Multi-Language I O code
- MLIO	xxxx	Enter Flexible Feature Code
	MNT	Enter set-based Maintenance sequence code
- MNT	xxxx	Enter Flexible Feature Code
	MNTC	Maintenance Access code
- MNTC	xxxx	Enter Flexible Feature Code
	MSBA	Make Set Busy Activated code
- MSBA	xxxx	Enter Flexible Feature Code
	MSBD	Make Set Busy Deactivated code
- MSBD	xxxx	Enter Flexible Feature Code
	MTRC	Malicious Call Trace code
- MTRC	xxxx	Enter Flexible Feature Code
	MWRA	Repeat Multiple Wake Up Activated code
- MWRA	xxxx	Enter Flexible Feature Code
	MWUA	Multiple Wake Up Activated code
- MWUA	xxxx	Enter Flexible Feature Code
	MWUD	Multiple Wake Up Deactivated code
- MWUD	xxxx	Enter Flexible Feature Code
	NRDY	Not Ready Activation/Deactivation for 500/2500 ACD sets code
- NRDY	xxxx	Enter Flexible Feature Code

	OVRD	Override and Priority Override code
- OVRD	xxxx	Enter Flexible Feature Code
	OCBA	Outgoing Call Barring feature code
- OCBA	xxxx	Enter Flexible Feature Code
	OCBD	Outgoing Call Barring Deactivate code
- OCBD	xxxx	Enter Flexible Feature Code
	OCBV	Verify the Outgoing Call Barring feature code
- OCBV	xxxx	Enter Flexible Feature Code
	PCAA	Personal Call Assistant Activate code
- PCAA	xxxx	Enter Flexible Feature Code
	PCAD	Personal Call Assistant Deactivate code
- PCAD	xxxx	Enter Flexible Feature Code
	PCAV	Personal Call Assistant Verify code
- PCAV	xxxx	Enter Flexible Feature Code
	PGAP	Answer Parallel Paging code
- PGAP	xxxx	Enter Flexible Feature Code
	PGIP	Initiate Parallel Paging code
- PGIP	xxxx	Enter Flexible Feature Code
	PGSP	Initiate Serial Paging code
- PGSP	xxxx	Enter Flexible Feature Code
	PLDN	Pilot DN code
- PLDN	xxxx	Enter Flexible Feature Code
- - USE	aaaa	Use (aaaa = GPHT, SCLU, or SCLC)
- - LSNO	nnnn	List Number
- - HTYP	aaa	Hunting Type (aaa = (LIN) or RRB)
- - CFWI	(NO) YES	Call Forward All Calls have priority over Group Hunting
- - MQUE	aaaa	Limit to calls Queued against pilot DN (aaaa = (ALL), 0, 1, or ACTM)
	PONW	Priority Override Network Wide
- PONW	xxxx	Enter Flexible Feature Code
	PUDN	Pick Up DN code
- PUDN	xxxx	Enter Flexible Feature Code
	PUGR	Pick Up Group code
- PUGR	xxxx	Enter Flexible Feature Code

	PURN	Pick Up Ringing Number code
- PURN	xxxx	Enter Flexible Feature Code
	RCFA	Remote Call Forward Activate code
- RCFA	xxxx	Enter Flexible Feature Code
	RCFD	Remote Call Forward Deactivate code
- RCFD	xxxx	Enter Flexible Feature Code
	RCFV	Remote Call Forward Verify code
- RCFV	xxxx	Enter Flexible Feature Code
	RDLN	Redial Last Number code
- RDLN	xxxx	Enter Flexible Feature Code
	RDNE	Redial Number Erase code
- RDNE	xxxx	Enter Flexible Feature Code
	RDSN	Redial Saved Number code
- RDSN	xxxx	Enter Flexible Feature Code
	RDST	Redial Store code
- RDST	xxxx	Enter Flexible Feature Code
	RGAA	Ring Again Activate code
- RGAA	xxxx	Enter Flexible Feature Code
	RGAD	Ring Again Deactivate code
- RGAD	xxxx	Enter Flexible Feature Code
	RGAV	Ring Again Verify code
- RGAV	xxxx	Enter Flexible Feature Code
	RMST	Room Status code
- RMST	xxxx	Enter Flexible Feature Code
	RPAN	Radio Paging Answer call code
- RPAN	xxxx	Enter Flexible Feature Code
	RPAX	Radio Paging Access code
- RPAX	xxxx	Enter Flexible Feature Code
	SADS	SAR Disable code
- SADS	xxxx	Enter Flexible Feature Code
	SAEN	SAR Enable code
- SAEN	xxxx	Enter Flexible Feature Code

	SALK	SAR Lock code
- SALK	xxxx	Enter Flexible Feature Code
	SAUN	SAR Unlock code
- SAUN	xxxx	Enter Flexible Feature Code
	SCPC	Station Control Password Change code
- SCPC	xxxx	Enter Flexible Feature Code
	SFAC	Secretarial Filtering Access code
- SFAC	xxxx	Enter Flexible Feature Code
	SPCC	Speed Call Controller code
- SPCC	xxxx	Enter Flexible Feature Code
	SPCE	Speed Call Erase code
- SPCE	xxxx	Enter Flexible Feature Code
	SPCU	Speed Call User code
- SPCU	xxxx	Enter Flexible Feature Code
	SSPU	System Speed Call User code
- SSPU	xxxx	Enter Flexible Feature Code
	TFAS	Trunk Answer From Any Station code
- TFAS	xxxx	Enter Flexible Feature Code
	TNDN	Enter the DN-to-TN conversion utility code
- TNDN	xxxx	Enter Flexible Feature Code
	TRMD	Terminal Diagnostics code
- TRMD	xxxx	Enter Flexible Feature Code
	TRVS	Trunk Verification code
- TRVS	xxxx	Enter Flexible Feature Code
	USER	Set based administration User code
- USER	xxxx	Enter Flexible Feature Code
	USCR	User Selectable Call Redirection code
- USCR	xxxx	Enter Flexible Feature Code
	USTA	User Status code
- USTA	xxxx	Enter Flexible Feature Code
	VTLF	Virtual Office Terminal Logoff
- VTLF	xxxx	Enter Flexible Feature Code

	VTLN	Virtual Terminal Login
- VTLN	xxxx	Enter Flexible Feature Code

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
ADMN	xxxx	Enter set-based administration sequence (used to configure trunks)	supp-16
ALL	(NO) YES	Remove all Flexible Feature Codes Prompted when REQ = OUT, Choose default (NO) if removing individual Flexible Feature Codes. Enter the selected code at the CODE prompt and the actual Flexible Feature Code when the Flexible Feature Code is displayed.	ffc-15
AREM	xxxx	Automatic Set Removal code	supp-16
ASRC	xxxx	Automatic Set Relocation Code	sr-15
ATDA	xxxx	Autodial Activated	ffc-20
ATDD	xxxx	Autodial Deactivated	ffc-20
AUTH	xxxx	Authorization code	baut-15
AWUA	xxxx	Auto Wake Up Activate code	awu-15
AWUD	xxxx	Auto Wake Up Deactivate code	awu-15
AWUV	xxxx	Auto Wake Up Verify	awu-15
BNRA	xxxx	Activate the Busy Number Redial feature	ffc-21
BNRD	xxxx	Deactivate the Busy Number Redial feature	ffc-21
C6DS	xxxx	Six-Party Conference code	awu-15
CCFA	xxxx	Activate the Customer Call Forward feature	ffc-21
CCFD	xxxx	Deactivate the Customer Call Forward feature	ffc-21
CDRC	xxxx	CDR Charge Account code	chg-15

Prompt	Response	Comment	Pack/Rel
CEPT	(NO) YES	Conference European Des Postes Tel defaults are to be used. CEPT is prompted when REQ = NEW. If CEPT = YES, then all CEPT defaults will be set up. The default value for CPP is *67 if Calling Party Privacy (CPP) package 301 is equipped.	basic-15
CFBA	(NO) YES	Call Forward Busy Activated Call Forward to attendant	pldn-15
CFDD		Call forward destination deactivation code	chffc/ffc-22
CFHO	xxxx	Call Forward/HUNT Override via FFC	optf-15
CFWA	xxxx	Call Forward All Calls Activate code	optf-15
CFWD	xxxx	Call Forward All Calls Deactivate code	optf-15
CFWI	 (NO) YES	Call Forward All Calls have priority over Group Hunting Skip idle station with CFW active Terminate on idle station with CFW active Prompted when USE = GPHT	optf-15
CFWV	xxxx	Call Forward All Calls Verify code	optf-15

Prompt	Response	Comment	Pack/Rel
CODE	aaaa	Specific Flexible Feature Code (FFC) type. Where: aaa = FFC type to be changed. (e.g., AUTH, CPP, etc.) Two entries are required to change a specific FFC. First enter the mnemonic of the FFC to be changed and then carriage return <CR>. The switch will then prompt the mnemonic just entered. Respond to this second prompt by entering the numeric value desired for that Flexible Feature Code. See example below. The Flexible Feature Code may be up to 4 digits, or up to 7 digits with Directory Number Expansion (DNXP) package (150). CODE is prompted when ALL = NO. Example: to change the Flexible Feature Code for Call Park to 88, respond to CODE as follows: Prompt Response CODE CPRK <CR> CPRK 88 <CR> CODE <CR> (No further prompts, return to REQ)	ffc-15
	FDIS	Forced Disconnect.	
	PONW	Priority Override/Breakin Network wide code.	
	<CR>	No further prompts, return to REQ.	
COND	xxxx	Conference Diagnostics code	basic-15
CPAC	xxxx	Call Park Access Code	cpk-15
CPP	xxxx	Calling Party Privacy	cpp-21
CPPO	(*82) xxxx	Calling Party Privacy Override code	cpp-23
CPRK	xxxx	Call Park code	cpk-15
CSHF	xxxx	Centrex Switchhook Flash code	thf-15
CUST	xx	Customer number associated with this function as defined in LD 15	cust-15
CWGA	xxxx	Call Waiting Activated	ffc-20

Prompt	Response	Comment	Pack/Rel
CWGD	xxxx	Call Waiting Deactivated	ffc-20
DEAF	xxxx	Deactivate Feature (deactivates RDLN, RGA, CFW, GHD and SNA codes. Same operation as ATDD, CFWD, MSBD, CWGD and RGAD	optf-15
DPVS	xxxx	Data port verifications code	basic-15
ELKA	xxxx	Electronic Lock Activate code	basic-15
ELKD	xxxx	Electronic Lock Deactivate code	basic-15
EOVR	xxxx	Enhanced Override (manual Forced Camp-On followed by Priority Override)	povr-20
FDIS	xxxx	Force Disconnect code.	ponw-25.4
FFCT	(NO) YES	Flexible Feature Confirmation Tone This tone allows users of 500/2500 or multi-line telephones to receive a confirmation tone after activating/deactivating the following features: • Call Forward activate, deactivate • Ring Again deactivate • Store/erase Stored Number Redial • all Automatic Wake Up codes • Speed Call store • any verification code	ffc-15
GHTA	xxxx	Group Hunt Termination Allowed	pldn-15
GHTD	xxxx	Group Hunt Termination Disallowed	pldn-15
GRCL	xxxx	Group Call List number (configured in LD18).	ffc-20
GRPF	xxxx	Group Call	ffc-20
HIDN	xxxx	Hospitality Identification	hosp-16
HOLD	xxxx	Permanent Hold code	basic-15
HREL	xxxx	Hospitality Relocation	hosp-16
HTYP		Hunting Type	pldn-15

Prompt	Response	Comment	Pack/Rel
	(LIN) RRB	Linear Hunting Round Robin Hunting Prompted when USE = GPHT	
ICFA	xxxx	Internal Call Forward Activate code	icf-19
ICFD	xxxx	Internal Call Forward Deactivate code	icf-19
ICFV	xxxx	Internal Call Forward Verify code	icf-19
ICPA	xxxx	Intercept Computer Interface Activate code	icp-10
ICPD	xxxx	Intercept Computer Interface Deactivate code	icp-10
ICPO	xxxx	Intercept Computer Interface Override code	icp-10
ICPP	xxxx	Intercept Computer Interface Print code	icp-10
IMS	xxxx	Integrated Message System Access code	ims-15
INST	xxxx	Set based administration Installer	adminset-21
ITXX	xxxx	For “1xx’ Special Services (up to 4 digits)	ees-18
LILO	xxxx	Login-Logout for 500/2500 ACD sets Dialing the number programmed here allows an ACD Agent on a 500/2500 telephone to toggle between Login and Logout. There is no confirmation tone.	bacd-16
LSNO	nnnn	List Number SCL/SSC/GHT list number LSNO is prompted when the PLDN response has not been defined as a GPHT pilot DN.	pldn-15
MLIO	xxxx	Multi-Language I O	mlio-16
MNT	xxxx	Enter set-based maintenance sequence (used to enable or disable trunks).	mlio-16
MNTC	xxxx	Maintenance Access code	basic-15
MQUE	(All) 0 1	Limit to calls queued against pilot DN No limit to the number of queued calls No calls to be queued One call can be queued.	supp-16

Prompt	Response	Comment	Pack/Rel
	ACTM	Active Members (Allowed with French Type Approval (FRTA) package 197)	
MSBA	xxxx	Make Set Busy Activated.	ffc-20
MSBD	xxxx	Make Set Busy Deactivated.	ffc-20
MTRC	xxxx	Malicious Call Trace code	mct-15
MWRA	xxxx	Multiple Wake Up Activated Automatic Wake Up (AWU) package 102 must be equipped for the MWU FFC codes to be available.	ffc-20
MWUA	xxxx	Repeat Multiple Wake Up Activated.	ffc-20
MWUD	xxxx	Multiple Wake Up Deactivated	ffc-20
NRDY	xxxx	Not Ready activation/deactivation for 500/2500 ACD sets Dialing the number programmed here allows an ACD Agent on a 500/2500 telephone to toggle in and out of the Not Ready state like other ACD Agents. There is no confirmation tone returned.	bacd-16
OCBA	xxxx	Activate the Outgoing Call Barring feature	ffc-21
OCBD	xxxx	Deactivate the Outgoing Call Barring feature	ffc-21
OCBV	xxxx	Verify the Outgoing Call Barring feature	ffc-21
OVRD	xxxx	Override and Priority Override	povr-20
PCAA	xxxx	Personal Call Assistant Activate code	pca-398
PCAD	xxxx	Personal Call Assistant Deactivate code	pca-398
PCAV	xxxx	Personal Call Assistant Verify code	pca-398
PGAP	xxxx	Answer Parallel Paging code.	ffc-14
PGIP	xxxx	Initiate Parallel Paging code.	ffc-14
PGSP	xxxx	Initiate Serial Paging code.	ffc-14
PLDN	xxxx	Pilot DN	supp-15

Prompt	Response	Comment	Pack/Rel
PONW	xxxx	Priority Override Network Wide code.	ponw-25.4
PUDN	xxxx	Pick Up DN code.	grp-15
PUGR	xxxx	Pick Up Group code.	grp-15
PURN	xxxx	Pick Up Ringing Number code.	grp-15
RCFA	xxxx	Remote Call Forward Activate code.	optf-15
RCFD	xxxx	Remote Call Forward Deactivate code.	optf-15
RCFV	xxxx	Remote Call Forward Verify code.	optf-15
RDLN	xxxx	Redial Last Number code.	lnr-15
RDNE	xxxx	Redial Number Erase code.	snr-15
RDSN	xxxx	Redial Saved Number code.	snr-15
RDST	xxxx	Redial Store code.	snr-15
REP*	0-9	One digit replacement for the * in the CEPT default codes. The CEPT defaults will be defined again with this digit used in place of the "*". In addition, the trailing # will be omitted. REP* is prompted only when REQ = NEW and CEPT = YES. Use <CR> to create only CEPT defaults. Note that digit replacement is blocked for CPP defaults.	ffc-15
	<CR>	No change to defaults	
REQ		Request	ffc-15
	CHG	Change existing data.	
	END	Exit Overlay program.	
	NEW	Create a new data block.	
	OUT	Remove Data Block.	
	PRT	Print Data Block.	
RGAA	xxxx	Ring Again Activate code.	optf-15
RGAD	xxxx	Ring Again Deactivate code.	optf-15

Prompt	Response	Comment	Pack/Rel
RGAV	xxxx	Ring Again Verify code.	optf-15
RMST	xxxx	Room Status code	rms-15
RPAN	xxxx	Radio Paging Answer call code	rpa-20
RPAX	xxxx	Radio Paging Access code	rpa-20
RTXX	0-511	CO route number for the “1xx” service	ees-18
SADS	xxxx	SAR Enable code	sar-20
SAEN	xxxx	SAR Lock code	sar-20
SALK	xxxx	Ring Again Activate code	sar-20
SAUN	xxxx	SAR Unlock code	sar-20
SCPC	xxxx	Station Control Password Change code	basic-15
SFAC	xxxx	Secretarial Filtering Access code	ffcsf-15
SPCC SPCE	xxxx xxxx	Speed Call Controller code Speed Call Erase code	optf-15 ffc-14
SPCU	xxxx	Speed Call User code	optf-15
SSPU	xxxx	System Speed Call User code	optf-15
TFAS	xxxx	Trunk Answer From Any Station code	basic-15
TNDN	xxxx	Enter the DN-to-TN conversion utility.	supp-16
TRMD	xxxx	Terminal Diagnostics code	basic-15
TRVS	xxxx	Trunk Verification code	tvs-15
TYPE	FFC	Flexible Feature Codes data block	ffc-15
USCR	xxxx	User Selectable Call Redirection	uscr-19
USE	GPHT SCLU SCLC	Initiate Group Hunting SCL/SSC List User SCL/SSC List Controller	pldn-15

Prompt	Response	Comment	Pack/Rel
		Prompted when the PLDN response has not already been defined.	
USER	xxxx	Set based administration User	adminset-21
USTA	xxxx	User Status code	basic-15
VTLF	xxxx	Virtual Terminal Logoff	arie-25
VTLN	xxxx	Virtual Terminal Login	arie-25

LD 58: Radio Paging

Overlay program 58 allows the definition of options on a Radio Paging Access Code (RPAX) basis per customer.

Prompts and responses

Contents

RPAX: Radio Paging Access Code data block

Prompt	Response	Comment
REQ	aaa	Request (aaa = CHG, END, NEW, OUT, or PRT)
TYPE	RPAX	Radio Paging Access Code data block
CUST	xx	Customer number associated with this function
SNUM	0-15	System Number

RPAX	nnnn	Radio Paging Access code
- ROUT	0-511	Route number
- PANN	(NO) YES	Recorded Paging Announcement
- - RPAR	0-511	Route number that provides the recorded announcement
- INTR	xxxx	Treatment for internal calls to pager which is in the rack
- RANR	x...x	Route number that provides the recorded announcement, prompted if INTR = RAN
- MMDN	xxxx	Meridian Mail DN which provides the recorded announcement or the defined function, prompted if INTR or EXTR = MAIL
- EXTR		Treatment for external calls to pager which is in the rack
- RANR	x...x	Route number that provides the recorded announcement, prompted if EXTR = RAN
- BYPS	(NO) YES	Bypass the DN-PSA translation
- OPER	aaaa	Operation (aaaa = (AUTO) or MANU)
- - INTM	(0)-1-9	Internal Mode digit for this RPAX
- - TRDN	(0)-7	Transmit this number of digits of caller's DN to paging equipment
	(0)- 16	Number of digits of caller's DN to paging equipment
- PATH	aaaa	Type of path to be provided (aaaa = (NONE), SPCH, or RNGB)
- - TWSP	aaaa	Two-way Speech Path with a mobile pager allowed (aaaa = (BOTH) or INT)
- - ACPS	(YES) NO	Radio Paging System to provide call-in-progress signals
- - - ACPT	(YES) NO	Call Accepted is to be detected
- DCHR	xxxx	Display Characters

RPCD: Radio Paging Customer Data block

Prompt	Response	Comment
REQ	aaa	Request (CHG, END, NEW, OUT, or PRT)
TYPE	RPCD	Radio Paging Customer Data block
CUST	xx	Customer number associated with this function
RPTO	a...a	Radio Paging Tone (a...a = (SPCL), DIAL, or NONE)
MRPS	(NO) YES	Multiple Radio Paging Systems
TRAN	aaa	Translation type (aaa = (TAB), TWO, THR, FOR, or NO)
DNLN	1-(4)-16	DN Length
PRET	(YES) NO	Pretranslation for Radio Paging
RCRG	0-(6)-20	Number of Ring Cycles when recall to transferring set, before reroute to attendant
RCTI	0-(30)-120	Time to wait for a “BUSY' transferring set to become idle
RCAL	(NO) YES	Recall if busy from RPA
TBTR	4-(10)-30	Time between two recall attempts (to an SL-1 set)

RPS: Radio Paging System data block

Prompt	Response	Comment
REQ	aaa	Request (aaa = CHG, END, NEW, OUT, or PRT)
TYPE	RPS	Radio Paging System data block
CUST	xx	Customer number associated with this function
SNUM	0-15	System Number
PSAL	1-7	Paging System Access code Length
RTIM	0-(60)-630	Length of the Recall Timer
STO	10-(30)-630	Length of time required for Speech Path to be maintained in seconds
NSTO	10-(30)-630	Length of time required for paging when No Speech Path is required
MTO	0-(150)-630	Length of the Meet-Me Timeout timer in seconds.

TBL: Translation Table access data block

Prompt	Response	Comment
REQ	aaa	Request (aaa = CHG, END, NEW, OUT, or PRT)
TYPE	TBL	Translation Table access
CUST	xx	Customer number associated with this function
SNUM	0-15	System Number
DNPS	xxxx yyyy	The DN to be translated and the number of the paging equipment to which the DN is assigned.
TABT	aaa	Table Type (aaa = DNP, NPS, or UPS)
RANG	xxxx...xxxx	Print DN Range from the first DN to the second DN

Alphabetical List of Prompts

Prompt	Response	Comment	Pack/Rel
ACPS	(YES) NO	Radio Paging System to provide the call-in-progress signals	rpa-15
ACPT	(YES) NO	Call Accepted is to be detected. Prompted when PATH = RNGB or SPCH. If PATH = RNGB or SPCH and ACPT = YES, then ringback is provided only when the call accepted signal is received. Speech path opens when Start-talk signal is received. If PATH = RNGB and ACPT = NO, then ringback is provided when all the paging information has been entered. If PATH = SPCH and ACPT = NO, then speech path is provided when all paging information has been sent (number processed).	
BYPS	(NO) YES	By-pass the DN-PSA translation YES means that meet-me is not available and that the trunk is accessed directly; the next prompt is RPAX. Prompted when MRPS = NO.	rpa-15
CUST	xx	Customer number associated with this function as defined in LD 15.	rpa-15
DCHR	xxxx	Display Characters. Enter X to remove all characters	rpa-15
	(PAGE)	Characters to be displayed on sets with Call Party Name Display (CPND) activated (replaces the FFC) (one per page).	
DNLN	0 - (4) - 16	DN Length Prompted if TRAN = NO, TWO, THR, or FOR	rpa-15
DNPS	xxxx yyyy	The DN to be translated and the number of the paging equipment to which the DN is assigned. This prompt is repeated to allow multiple entries.	rpa-15
	Xxxxx	The DN to be deleted from the entry	
	<CR>	Stops the DNPS prompt	

Prompt	Response	Comment	Pack/Rel
EXTR		Treatment for external calls to pager which is in the rack.	rpa- 23
	(BUSY)	Caller gets busy tone.	
	ATT	Call is routed to the Attendant	
	SRC1 - SRC8	Tones or announcement delivered from the TDS card, programmed in Overlay 56.	
	RAN	Call is routed to the RAN machine	
	MAIL	Call is routed to Meridian Mail.	
INTR		Treatment for internal calls to pager which is in the rack.	rpa- 23
	(BUSY)	Caller gets busy tone.	
	ATT	Call is routed to the attendant.	
	SRC1- SRC8	Tones or announcement delivered from the TDS card, programmed in Overlay 56.	
	RAN	Call is routed to the RAN machine.	
	MAIL	Call is routed to Meridian Mail.	
INTM	1-9-(0)	Internal Mode digit for this RPAX	rpa-15
	<CR>	Default is the mode digit defined in EXTM	
MMDN	xxxx	Meridian Mail DN which provides the recorded announcement or the defined function, prompted if INTR = MAIL. Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150.	rpa- 23
MRPS	(NO) YES	Multiple Radio Paging Systems	rpa-15
MTO	0-(150)-630	Length of the Meet-Me Timeout timer in seconds, after the STO or NSTO timer has expired Where: 0 = no meet-me after STO or NSTO has expired. 10 second resolution.	rpa-15
NSTO	10-(30)-630	Length of time required for paging when No Speech Path is required. 10 second resolution.	rpa-15
OPER	(AUTO)	Automatic Operation	rpa-15
	MANU	Manual Operation	
PANN	(NO) YES	Recorded Paging Announcement allowed (denied) for this route	rpa-15

Prompt	Response	Comment	Pack/Rel
PATH	(NONE) SPCH RNGB	No speech path or ringback provided Speech path provided Ringback to the calling party provided	rpa-15
PRET	(YES) NO	Pretranslation for Radio Paging calls Allowed. Pretranslation for Radio Paging calls Denied.	rpa- 23
PSAL	1-7	Paging System Access code length Number of digits that are to be used to identify individual paging devices	rpa-15
RANG	xxxx xxxx xxxx <CR>	Print DN Range from the first DN to the second DN. Print this DN. Print all DNs. DNs are those listed in the Radio Paging (RPA) translation table. Prompted when TABT = DNP	rpa-15
RANR	x...x	Route number that provides the recorded announcement, prompted if EXTR = RAN or if INTR = RAN, where: • x...x = 0-511 for Large System and CS 1000E • x...x = 0-127 for Small System, CS 1000S, MG 1000B and MG 1000T	rpa- 23
RCAL	(NO) YES	Recall if busy from RPA.	rpa-15
RCRG	0-(6)-20	Number of ring cycles when recall to transferring set, before reroute to attendant. Where: 0 = use value entered in response to CFNA prompt in LD 15	rpa-15
	X	Reroute to attendant (that is, no recall attempts to transferring set).	
RCTI	0-(30)-120	Time to wait for a “BUSY' transferring set to become idle. After this time the call is routed to the attendant.	rpa-15
REQ	 CHG END NEW OUT PRT	Request Change existing data block. Exit Overlay program. Create a new data block. Remove data block. Print data block.	rpa-15

Prompt	Response	Comment	Pack/Rel
ROUT	0-511	Route number of the trunk route connected to this paging system. Route must be defined as PRA in LD 14 and 16.	rpa-15
RPAR	0-511	The route number where the recorded announcement is provided from. Route must be defined as RAN in LD 16.	rpa-15
RPAX	nnnn <CR>	Radio Paging Access Code This prompt is repeated to allow multiple entries. Stop RPAX prompt. Access Codes must previously be defined in LD 57.	rpa-15
RPTO	 (SPCL) DIAL NONE	Radio Paging Tone, which is to be provided after the RPAX/RPAN Special dial tone Normal Dial tone No tone	rpa-15
RTIM	0-(60)-630	Length of the Recall Timer (in seconds) after the STO or NSTO timer has expired Where: 0 = no timeout limit. 10 second resolution	rpa-15
SNUM	0-15	System Number Prompted when MPRS = YES	rpa-15
STO	10-(30)-630	Length of time required for Speech Path to be maintained in seconds. 10 second resolution.	rpa-15
TABT	 DNP NPS UPS	Table Type Print the DN-Paging System Access (PSA) entries Print the unused PSA codes Print the used PSA codes Prompted when TYPE = TBL	rpa-15
TBTR	4-(10)-30	Time between two recall attempts (to an SL-1 set)	rpa-15

Prompt	Response	Comment	Pack/Rel
TRAN		Translation type	rpa-15
	(TAB)	Translation lookup table	
	TWO	Last two digits of DN	
	THR	Last three digits of DN	
	FOR	Last four digits of DN	
	NO	No translation (DN sent as PSA code) Prompt is not given if MRPS = YES. TRAN is then forced to TAB.	
TRDN	(0)-16	Transmit this number of digits of the caller's DN to the paging equipment	rpa-15
TWSP		Two-way speech path with a mobile pager allowed	rpa-15
	(BOTH)	Both internal and external calls	
	INT	Internal calls Prompted when PATH = SPCH	
TYPE		Type of data block	rpa-15
	RPAX	Radio Paging Access Code data block	
	RPCD	Radio Paging Customer Data block	
	RPS	Radio Paging System data block	
	TBL	Translation Table access data block	

LD 73: Digital Trunk Interface

Overlay program 73 allows the implementation and administration of the Digital Trunk Interface (DTI) and Primary Rate Interface (PRI) software and hardware.

Prompts and responses

Contents

Prompts and responses by data block

DDB: Digital data block

Prompt	Response	Comment
REQ	aaa	Request (aaa = CHG, END, NEW, OUT, or PRT)
TYPE	DDB	Type of data block = DDB (Digital data block)
CEQP	(NO) YES	Clock Controller Equipped
CLKN	xx	Card number for Clock Controller (Small System)
- PREF	xxx	Primary Reference
- - SREF	xxx	Secondary Reference
CC0	xx	Card number for Clock Controller 0 (Small System with Survivable IP)
PREF CC0	1-9	Card number of PRI/DTI/SILC containing the primary clock reference for the main cabinet (Option 11C)
SREF CC0	1-9	Card number of PRI/DTI/SILC containing the secondary clock reference for the main cabinet (Option 11C)
CC1	xx	Card number for Clock Controller 1
PREF CC1	xx	Card number of PRI/DTI/SILC containing the primary clock reference, Where xx is: • 11-19 for IP expansion cabinet 1 • 11-14 for MG 1000S 1

SREF CC1	xx	Card number of PRI/DTI/SILC containing the secondary clock reference. Where xx is: • 11-19 for IP expansion cabinet 1 • 11-14 for MG 1000S 1
CC2	xx	Card number for Clock Controller 2
PREF CC2	xx	Card number of PRI/DTI/SILC containing the primary clock reference. Where xx is: • 21-29 for IP expansion cabinet 2 • 21-24 for MG 1000S 2
SREF CC2	xx	Card number of PRI/DTI/SILC containing the secondary clock reference. Where xx is: • 21-29 for IP expansion cabinet 2 • 21-24 for MG 1000S 2
CC3	xx	Card number for Clock Controller 3
PREF CC3	xx	Card number of PRI/DTI/SILC containing the primary clock reference. Where xx is: • 31-39 for IP expansion cabinet 3 • 31-34 for MG 1000S 3
SREF CC3	xx	Card number of PRI/DTI/SILC containing the secondary clock reference. Where xx is: • 31-39 for IP expansion cabinet 3 • 31-34 for MG 1000S 3
CC4	xx	Card number for Clock Controller 4
PREF CC4	xx	Card number of PRI/DTI/SILC containing the primary clock reference. Where xx is: • 41-49 for IP expansion cabinet 4 • 41-44 for MG 1000S 4
SREF CC4	xx	Card number of PRI/DTI/SILC containing the secondary clock reference. Where xx is: • 41-49 for IP expansion cabinet 4 • 41-44 for MG 1000S 4
CTRR	(NO) YES	Clock tracking recovery in case of Blue Alarm on reference loops (Small System)
TRSH	0-15	Threshold set
RALM	1-(3)-128	Remote (yellow) Alarm clear threshold

BIPC	0-(2)-128	Bipolar violation Count threshold
LFAC	0-(3)-128	Loss of Frame Alignment Counter
BIPV	1-(3)-4 1-(2)-4	Bipolar Violation maintenance and out-of-service threshold
SRTK	1-(5)-24 1-(30)-3600	
		Slip Rate Tracking mode maintenance
SRNT	1-(15)-1024 1-(3)-1024	
		Slip Rate Non-Tracking
LFAL	1-(17)-10240	Loss of Frame Alignment maintenance and out-of-service thresholds
AUTO	(NO) YES	Automatic recovery for frame slippage
SRAR	(NO) YES	Slip Rate Automatic Recovery
SRGT	1-(15)-127	Slip Rate Guard Time in minutes
SRIM	(1)-127	Slip Rate Improvement Monitoring time in minutes
SRMM	1-(2)-127	Slip Rate Maintenance Maximum
ICS	0-159	Multi Purpose Serial Data Link Idle Code Selection

PRI2 data block (FEAT = LPTI)

The following prompts and associated responses define the grade of service timers for the DTI card. Group I problems are treated individually. They are bipolar violations, bit error rate (frame alignment) problems and slips.

Group II problems are treated as a group. They are bit 3 of TS0 (far-end out-of-service), bit 6 of TS16 (far-end lost multiframe alignment), Alarm Indication Signal (AIS), loss of frame alignment and loss of multiframe alignment.

Prompt	Response	Comment
REQ	aaa	Request (aaa = CHG, END, NEW, OUT, or PRT)
TYPE	PRI2	Type of data block = PRI2
FEAT	LPTI	Feature = LPTI (Loop timer)
LOOP	loop	Loop number for PRI2
MFF	aaa	Multiframe Format (aaa = (AFF) or CRC)
ACRC	(NO) YES	Automatic reporting of CRC-4 error

ALRM	aaa	Default alarm handler selected (aaa = (REG) or ALT)
RAIE	(NO) YES	RAIE Group II alarm state enabled or disabled
SLP	mc mt oc ot	Slip count
NOOS	(NO) YES	The grade-of-service feat
BPV	1-(128) or (122)-255	Bipolar Violation thresholds
RATS	1-(10)-15	The number of consecutive seconds the firmware has to check and validate error rate condition
CRC	x...x	Cyclic Redundancy Check threshold [x...x = 1-(201) or (97)-255)]
FAP	1-(28)-255 (1)-255	Frame Alignment thresholds
GP2	T2 mt dt ct ot	Group 2 error thresholds
MNG1	nnnM	Maintenance Guard time Group 1
NCG1	nnnM	No New Calls Guard time Group 1
OSG1	nnnM	Out-of-Service Guard time Group 1
MNG2	nnnS	Maintenance Guard time Group 2
NCG2	nnnS	No New Calls Guard time Group 2
OSG2	nnnS	Out-of-Service Guard time Group 2
PERS	0-(50)-254	Group 2 Persistence timer and clearance timer
CLEA	0-(100)-256	Clearance timer for Group II problems in 2 ms increments
OOSC	0-(5)-127	Out -of-Service Counter

DTI2 / JDMI data block (FEAT = LPTI)

Prompt	Response	Comment
REQ	aaa	Request (aaa = CHG, END, NEW, OUT, or PRT)
TYPE	aaaa	Type of data block = DTI2 or JDMI
FEAT	LPTI	Feature = LPTI (Loop timer)
LOOP	loop	Loop number for DTI2
CDTI2	(NO) YES	CDTI2/CSDTI2 Card
P DIGT (S)	abcd	Digit pulse timing from TDS (Bits P, X or U are selectable)
P METR (R)	abcd	Metering (Bits P, X or U are selectable)
- EDGE	x	Edge of pulse (0 or 1)
- TIME	40-(240)-480	Maximum time METR signal can be on
- MINP	(8)-256	Minimum Pulse length for a Meter Pulse
- PPMD	(NO) YES	PPM Parameter Download required

- ITPP	(NO) YES	Italian PPM option allowed
-MINP	8-(72)-248	Minimum time a PPM pulse is active
-ITBP	8-(72)-248	Idle time between PPM pulses
SASU	0-8064	Seize Acknowledge Supervision period
MFAO	YES NO	Multiframe Alignment Option
SZNI	(NO) YES	PSTN incoming seizure during lockout of MFAS and far-end fault states allowed
LCLB	(NO) YES	Lockout Clear Back option for DID trunks
UCFS	xxxx	Unequipped Channel Fault Signal
TGLR	(NO) YES	Toggle Reserve bits in Frame 0
MFF	aaa	Multiframe Format (aaa = (AFF) or CRC)
CRC	NC mt dt ct ot	Cyclic Redundancy Check error counts
BPV	NB mt dt ct ot	Bipolar Violation error counts
FAP	NF mt dt ct ot	Frame Alignment Problem thresholds
SLP	NS mt dt ct ot	Slip count maintenance threshold
GP2	T2 mt dt ct ot	Group 2 error thresholds
FRFW	(NO) YES	DTI2 loop is equipped with special Firmware for France
CISFW	aaa	Defines the CDTI2/CSDTI2 card's FW option to be used
-MFSL	(0)-3	The MFS signals transmission level.
-500L	(0)-1	ANI request tone (500 Hz) transmission level

DTI2 / PRI2 / JDMI data blocks (FEAT = SYTI)

Prompt	Response	Comment
REQ	aaa	Request (aaa = CHG, END, NEW, OUT, or PRT)
TYPE	aaaa	Type (aaaa = DTI2, PRI2, or JDMI)
FEAT	SYTI	Feature = SYTI (System timers)
MAND	0-(15)-1440	Maintenance Guard time
NCSD	0-(15)-1440 1S-59S	New Call Suppression Guard time
OSGD	0-(15)-1440	Out-of-Service Guard time in minutes
OOSC	0-(5)-127	Out-of-Service Counter
PERS	0-(100)-254	Persistence timer
DBNC	(10)-32	Debounce timer
CLKN	xx	Small System card number for Clock Controller
CC0	xx	Card number for Clock Controller 0
PREF CC0	1-9	Card number of DTI2/PRI2/SILC containing the primary clock reference for the main cabinet (Option 11C)
SREF CC0	1-9	Card number of DTI2/PRI2/SILC containing the secondary clock reference for the main cabinet (Option 11C)
CC1	xx	Card number for Clock Controller 1
PREF CC1	xx	Card number of DTI2/PRI2/SILC containing the primary clock reference. Where xx is: • 11-19 for IP expansion cabinet 1 • 11-14 for MG 1000S 1
SREF CC1	xx	Card number of DTI2/PRI2/SILC containing the primary clock reference. Where xx is: • 11-19 for IP expansion cabinet 1 • 11-14 for MG 1000S 1
CC2	xx	Card number for Clock Controller 2
PREF CC2	xx	Card number of DTI2/PRI2/SILC containing the primary clock reference. Where xx is: • 21-29 for IP expansion cabinet 2 • 21-24 for MG 1000S 2
SREF CC2	xx	Card number of DTI2/PRI2/SILC containing the primary clock reference. Where xx is: • 21-29 for IP expansion cabinet 2 • 21-24 for MG 1000S 2
CC3	xx	Card number for Clock Controller 3

PREF CC3	xx	Card number of DTI2/PRI2/SILC containing the primary clock reference. Where xx is: • 31-39 for IP expansion cabinet 3 • 31-34 for MG 1000S 3
SREF CC3	xx	Card number of DTI2/PRI2/SILC containing the primary clock reference. Where xx is: • 31-39 for IP expansion cabinet 3 • 31-34 for MG 1000S 3
CC4	xx	Card number for Clock Controller 4
PREF CC4	xx	Card number of DTI2/PRI2/SILC containing the primary clock reference. Where xx is: • 41-49 for IP expansion cabinet 4 • 41-44 for MG 1000S 4
SREF CC4	xx	Card number of DTI2/PRI2/SILC containing the primary clock reference. Where xx is: • 41-49 for IP expansion cabinet 4 • 41-44 for MG 1000S 4
CCGD	0-(15)-1440	Clock Controller free run Guard time
CCAR	0-(15)	Clock Controller Audit Rate
EFCS	(NO) YES	Enable Fast Clock Switching

Prompts and responses for setting pad values

Prompts and responses DTI / PRI data blocks (with GPRI package 167)

Prompt	Response	Comment
REQ	aaa	Request (aaa = CHG, END, NEW, OUT, or PRT)
TYPE	aaa	Type of data block = DTI or PRI
FEAT	PAD	Pad Category
PDCA	1-16	Pad Category table. PDCA 1 and PDCA 16 are preconfigured. See the Note below for further details.
TNLS	(NO) YES	Terminal Number List
DFLT	1-16	Use default codes from this pad category table for the following prompts if <CR> is entered at the prompt

Note: For the following prompts, **x = Rx code (receive) and y = Tx code (transmit)**. You may assign receive and transmit dB values to the following prompts by entering a code which corresponds to a dB value. Code options and their corresponding dB values are listed in Table 7 on page 867. The codes listed in Table 7 apply for both Rx codes and Tx codes.

To find the default values for Pad Category 1 when TYPE = DTI or PRI, refer to Table 8 on page 868. To find default values for Pad Category 1 when TYPE = BRIL, BRIT, DTI2, or PRI2, refer to Table 9 on page 869. To find default values for Pad Category 16 when TYPE = JDMI, refer to Table 10 on page 870.

ONP	x y	On-Premises Extension
DSET	x y	Meridian Digital Set
OPX	x y	Off-Premises Extension
DTT	x y	Digital TIE Trunks
SDTT	x y	Satellite Digital TIE Trunks
DCO	x y	Digital COT, FEX, WAT, and DID trunks
DTO	x y	1.5 Mb/s DTI/PRI Digital TOLL Office trunks
VNL	x y	Via Net Loss (Analog TIE)
SATT	x y	Satellite Analog TIE Trunks
ACO	x y	Analog COT and WATS trunks
ATO	x y	Analog TOLL Office trunks

PRI	x	y	1.5 Mb/s PRI/DTI trunk
PRI2	x	y	2.0 Mb/s PRI/DTI trunk
XUT	x	y	Extended Peripheral Equipment Universal Trunk
XEM	x	y	Extended Peripheral Equipment E&M Trunk
BRIL	x	y	Basic Rate Interface Line
BRIT	x	y	Basic Rate Interface Trunk
MCM	x	y	M1 CT2 mobility pad value
TOLT	x	y	Toll call pad data on DTI2 card
TOLL	x	y	Toll call pad data on line card (Do not refer to Table 7 for TOLL values. Refer instead to Table 11).

Table 7
Pad codes and corresponding dB values for DTI/PRI/BRIT/BRIL/PRI2/DTI2/JDMI

Code	Value (dB)	Code	Value (dB)	Code	Value (dB)
0	0.0 †	9	+9.0	18	-4.0 †
1	+1.0 †	10	+10.0 †	19	-5.0
2	+2.0 †	11	+11.0	20	-6.0 †
3	+3.0 †	12	+12.0 †	21	-7.0
4	+4.0 †	13	+13.0	22	-8.0
5	+5.0 †	14	+14.0	23	-9.0
6	+6.0 †	15	-1.0 †	24	-10.0
7	+7.0	16	-2.0 †	25	Idle †
8	+8.0 †	17	-3.0 †	26	+0.6 †

Note 1: PRI/DTI pad category prompts require GPRI package 167.

Note 2: † Represents pad values supported by DTI2 for large systems.

Note 3: Small System supports all pad values for DTI2.

Note 4: Positive dB represents loss and negative dB represents gain.

Note 5: Code 0, pad value 0.0, is equivalent to no pad. It is used for DTA (Data only) and VOD (Voice or Data) call types and supported by DTI2.

Note 6: “Idle” means that PCM signals are converted to silence.

Table 8
Default Pad Category 1 values (PDCA 1) (DTI/PRI with GPRI pkg 167)

Connection type	Rx code	Rx PAD (dB)	Tx code	Rx PAD (dB)
ONP	6	+6.0	0	0.0
DSET	6	+6.0	0	0.0
OPX	6	+6.0	0	0.0
DTT	0	0.0	0	0.0
SDTT	3	+3.0	0	0.0
DCO	3	+3.0	0	0.0
DTO	0	0.0	0	0.0
VNL	6	+6.0	0	0.0
SATT	6	+6.0	0	0.0
ACO	6	+6.0	0	0.0
ATO	6	+6.0	0	0.0
PRI	0	0.0	0	0.0
PRI2	0	0.0	0	0.0
XUT	6	+6.0	0	0.0
XEM	3	+3.0	0	0.0
BRIL	0	0.0	0	0.0
BRIT	0	0.0	0	0.0
MCM	0	0.0000	0	0.0

Table 9
Default Pad Category 1 values (PDCA 1) (BRIL/BRIT/DTI2/PRI2)

Connection type	Rx code	Rx PAD (dB)	Tx code	Rx PAD (dB)
ONP	17	-3.0	0	0.0
OPX	17	-3.0	0	0.0
DTT	0	0.0	0	0.0
DCO	0	0.0	0	0.0
NTC	4	+4.0	1	+1.0
TRC	4	+4.0	1	+1.0
DTR	17	-3.0		
VNL	4	+4.0	1	+1.0
ACO	4	+4.0	1	+1.0
AFX	4	+4.0	1	+1.0
ADD	4	+4.0	1	+1.0
PRI	0	0.0	0	0.0
DSET	6	+6.0	0	0.0
BRIL	0	0.0	0	0.0
BRIT	0	0.0	0	0.0
MCM	0	0.0	0	0.0
TOLT	0	0.0	0	0.0
TOLL	16	0.0	30	- 7.0

Table 10
Default Pad Category 16 values (PDCA 16) (JDMI)

Connection type	Rx code	Rx PAD (dB)	Tx code	Rx PAD (dB)
ONP	15	-1.0	8	+8.0
OPX	17	-3.0	0	0.0
DTT	0	0.0	0	0.0
DCO	0	0.0	0	0.0
NTC	4	+4.0	1	+1.0
TRC	4	+4.0	1	+1.0
DTR	0	0.0	- - -	- - -
VNL	4	+4.0	1	+1.0
ACO	4	+4.0	1	+1.0
AFX	4	+4.0	1	+1.0
ADD	4	+4.0	1	+1.0
PRI	0	0.0	0	0.0
DSET	6	+6.0	0	0.0
BRIL	0	0.0	0	0.0
BRIT	0	0.0	0	0.0
MCM	0	0.0	0	0.0
TOLT	0	0.0	0	0.0
TOLL	16	0.0	30	- 7.0

Table 11
Default pad values for TOLL prompt

Code	dB Value	Code	dB Value	Code	dB Value
0	>= +8.0	14	+1.0	28	-6.0
1	+7.5	15	+0.5	29	-6.5
2	+7.0	16	0.0	30	-7.0
3	+6.5	17	-0.5	31	-7.5
4	+6.0	18	-1.0	32	-8.0
5	+5.5	19	-1.5	33	-8.5
6	+5.0	20	-2.0	34	-9.0
7	+4.5	21	-2.5	35	-9.5
8	+4.0	22	-3.0	36	-10.0
9	+3.5	23	-3.5	37	-10.5
10	+3.0	24	-4.0	38	-11.0
11	+2.5	25	-4.5	39	<= -11.5
12	+2.0	26	-5.0		
13	+1.5	27	-5.5		

Signaling category assignment and modification

What can be entered for the abcd response?

Prompts which show the response abcd, such as IDLE (S), require a four field response to indicate the status of four bits: a, b, c and d. The abcd response represents a trunk supervisory message. The bit states within the message are determined by using the appropriate input. Allowable inputs for each bit are: 0, 1, C, P, U, X, N. These input options are explained as follows:

- 0 - Bit is a steady state 0 (LOW) e.g. 0000 bits abcd are all steady state 0.
- 1 - Bit is a steady state 1 (HIGH) e.g. 0101 bits b and d are steady state 1 while bits a and c are steady state 0.
- C - Bit is pulsed and present continuously (Continuous pulsing of two or more bits is not allowed.).
- “C” can only be entered for signals that have “C” in front of them when the signal is prompted; the signals are: “C CLRB (S), C CLRB (R) and C SUPO (S) UNUSED”
- “C” cannot be mixed with 0 or 1 or P in the ABCD pattern. Therefore, the entry must look like CXXX, XCXX, etc.
- “C” can only be entered once in the ABCD pattern
- C cannot be entered for the CLRB (R) or CLRB (S) prompts if the pulsed E&M package (232) PEMD is equipped P - Bit is pulsed. e.g. PC10 bit a is pulsed, bit b is pulsed and sent continuously, bit c is steady state 1 and bit d is steady state 0.
- U - Bit is a don’t-care bit (for received signals only) e.g. U10U bits a and d are don’t-care bits, bit b is steady state 1 and bit c is steady state 0.
- X - Bit is not to be changed (used in conjunction with Pulsed or Continuously pulsed bit) e.g. XPXX bits a, c and d are unchanged, bit b is set to steady state 1 and bit c is set to steady state 0.

Another input to the signal name prompt is allowed. The other allowable input is:

- N - The signal is not required.

How to tell if the signal is pulsing, pulsed or steady?

The signal type is identified by a single character followed by a blank space preceding the signal name. For example, the prompt E SEZ(R) indicates that the Seize signal may be either Pulsed or steady state. The signal type identifiers are:

- C - Continuous Pulsing, Pulsed or steady state
- E - Pulsed or steady state
- P - Pulsed (single pulse unless otherwise indicated)
- No preceding character indicates the signal is steady state only

Pulsed signals will output the TIME prompt. This prompt is described for each of the signals that may prompt it.

How to determine signal direction?

The direction of the signal is indicated by a single character in brackets at the end of the signal name:

- (R) - Indicates that the signal is to be received by the switch
- (S) - Indicates that the signal is to be sent by the switch

For example, E SEZ (R) indicates that the Seize signal may be either Pulsed or steady state and that the signal is to be received by the switch.

How to tell if the prompt incoming or outgoing, or both

ABCD prompts correspond to incoming calls, outgoing calls or both incoming and outgoing calls. Prompts IDLE (S) to P RRC correspond to incoming/outgoing calls. Prompts E SEZ (R) to P FRLS (R) correspond to incoming calls. Prompts E SEZ (S) to C SUPO (S) correspond to outgoing calls.

A note about JDMI

For Japan Digital Multiplex Interface (JDMI), the signal requires only a bit signaling. All four bits will be allowed to be programmed as the software uses all four bits for call processing. The JDMI hardware defaults the bcd bits to

101 for sending signaling changes. Therefore, if any changes are made to received signals, the bcd bits must be set to 101; otherwise, these signals will not be recognized.

Prompts and responses for ABCD signaling category

Prompt	Response	Comment
REQ	aaa	Request (aaa = CHG, END, NEW, OUT, or PRT)
TYPE	aaa	Type of data block
FEAT	ABCD	Feature = ABCD
SICA	2-16	Signaling Category
TNLS	(NO) YES	Terminal Number List
DFLT	(1)-16	Default signaling category to be used for Default values
Note: The following prompts have default values for Signalling Category 1 and 16 which may be found in Table 9 on page 869.		
Prompts for Incoming/Outgoing Calls		
IDLE (S)	abcd	Idle
IDLE (R)	abcd	Idle
FALT (S)	abcd	Fault (DTI out-of-service)
FALT (R)	abcd	Fault (DTI out-of-service)
P RRC (S)	abcd	Register Recall
- TIME	10-(100)-630	Time of RRC (S) in milliseconds
TIME	(0)-1920	Persistence Time required before signal is accepted
Prompts for Incoming Calls		
E SEZ (R)	abcd	Seize for voice or data calls from a non-SL-1
- TIME	16-(56)-1000	16-(296)-1000 Minimum and maximum acceptable pulse duration
SEZD (R)	abcd	Seize for data calls between SL-1s
- SEZV (R)	abcd	Seize for voice calls

P CALL (R)	abcd	Signal sent during seize by an incoming CO trunk
- TIME	1-(2)-15 1-(8)-15	
		Pulse on time, pulse off time
SEZA (S)	abcd	Seize Acknowledgment
- TIME	50-80-90	Time delay prior to sending SEZA
PRCS (S)	abcd	PRCS
WNKS (S)	abcd	Wink Start
P WNKS (S)	abcd	Wink Start
- TIME	10-(220)-630	Time for P WNKS (S)
P DIGT (R)	abcd	Decadic pulses
NRCV (S)	abcd	Number Received
P EOSF (S)	abcd	End of Selection Free
- TIME	(100)-150	Time for EOSF (S)
- P EOSB (S)	abcd	End of Selection Busy
- - TIME	(100)-150	Time for EOSB (S)
P OPC (R)	abcd	Operator Calling
- TIME	64-(128)-192	Time of OPCA (R) pulse
- TIME	16-(96)-1000	16-(160)-1000
		Minimum and maximum acceptable pulse duration
- REPT	(1)-5	Number of OPCA (R) pulses
CONN (S)	abcd	Connect
E CON (S)	abcd	Connect
- TIME	10-(150) 630	Time of pulse length in 10 ms increments
CONN (R)	abcd	Connect
P BURS (S)	abcd	Bring Up Receiver for L1 networking
P BURS (R)	abcd	Bring Up Receiver for L1 networking
- TIME	64-(128)-192	Time for BURS (R) pulse
CLRB (S)	abcd	Clear Back

C CLRB (S)	abcd	Clear Back
- TIME	10-(600)-2000	Time of pulse length in 10 ms increments
- P RCT (S)	abcd	Release Control
- - TIME	100-(150) 300	Time value is stored in 10 ms increments
- - P RCOD (S)	abcd	Release Control Originating party Disconnect
- - - TIME	150	Timer value in milliseconds is fixed
P OPRS (R)	abcd	Operator manual recall
- TIME	xxxx yyyy	Minimum and maximum time range for OPRS (R)
P NXFR (S)	abcd	Network Transfer
P ESNW (S)	abcd	ESN Wink
P CAS (S)	abcd	Centralized Attendant
CLRF (R)	abcd	Clear Forward
- SOS	abcd	Special Operator Signal
P BRLS (S)	abcd	Backward Release
- TIME	10-(600)-2000	Time of pulse length in 10 ms increments
P FRLS (R)	abcd	Forward Release
- TIME	16-(296)-2000	16-(960)-2000 Minimum and maximum acceptable pulse duration
Prompts for Outgoing Calls		
E SEZ (S)	abcd	Seize for voice or data calls to a non-SL-1
- TIME	10-(150)-630	Time of pulse length in 10 ms increments
SEZD (S)	abcd	Seize for Data calls
- SEZV (S)	abcd	Seize for Voice calls
SEZA (R)	abcd	Seize Acknowledgment
- TIME	xxx	Delay time for the SEZA signal (xxx = 50, 80, 90, (150), or 800)
WNKS (R)	abcd	Wink Start
- TIME	20-(140)-500	20-(290)-500

		Minimum and maximum length of WNKS (R) pulse
P WNKS (R)	abcd	Wink Start
- TIME	16-(136)-504	16-(288)-504
		Minimum and maximum length of P WNKS (R) pulse
P EOS (R)	abcd	End of Selection
- TIME	(64)-320	64-(256)-320
		Length of EOS (R) pulse
CONN (S)	abcd	Connect
CONN (R)	abcd	Connect
E CONN (R)	abcd	Connect
- TIME	16-(56)-1000	16-(296)-1000
		Time of pulse length in 8 ms increments
P OPRC (R)	abcd	Operator Recall for special services
P BURS (S)	abcd	Bring Up Receiver for L1 networking
P BURS (R)	abcd	Bring Up Receiver for L1 networking
- TIME	64-(128)-192	Time for BURS (R) pulse
CLRB (R)	abcd	Clear Back
C CLRB (R)	abcd	Clear Back
- TIME	16-(296)-2000	16-(960)-2000
		Time of pulse length in 8 ms increments
- P RCTL (R)	abcd	Release Control
- - TIME	96-(128)-320	96-(256)-320
		Time stored in 8 ms increments
P NXFR (R)	abcd	Network Transfer
P ESNW (R)	abcd	ESN Wink
P CAS (R)	abcd	Centralized Attendant Service
CLRF (S)	abcd	Clear Forward
- TIME	(0)-800	Time in milliseconds

- SOS	abcd	Special Operator Signal
P FRLS (S)	abcd	Forward Release
- TIME	10-(600)-2000	Only prompted for pulsed signals
P BRLS (R)	abcd	Backward Release
- TIME	16-(296)-2000	16-(960)-2000 Time of pulse length in 8 ms increments
C SUPO (S)	abcd	Complex Supervision to Operator Signal used for KD3 signaling. Note that the input for a must be C.

Table 12
Default values for Signaling Categories 1 and 16 (In/Out Calls)

In/Out Calls	SICA 1	SICA 16
IDLE (S)	1001	1101
IDLE (R)	1001	1101
FALT (S)	1101	0101
FALT (R)	1101	0101
TIME	0	0
P RRC (S)	UNUSED	UNUSED

Table 13
Default values for Signaling Categories 1 and 16 (Incoming Calls)

Incoming Calls	SICA 1	SICA 16	Incoming Calls	SICA 1	SICA 16
E SEZ (R)	0001	0101	CONN (R)	0001	0101
SEZD (R)	UNUSED	UNUSED	P BURS (S)	UNUSED	UNUSED
SEZV (R)	UNUSED	UNUSED	P BURS (R)	UNUSED	UNUSED
P CALL (R)	UNUSED	UNUSED	C CLRB (S)	1101	1101
SEZA (S)	1101	UNUSED	P RCTL (S)	UNUSED	UNUSED
TIME	150		P RCOD (S)	UNUSED	UNUSED
PRCS (S)	UNUSED	UNUSED	P OPRS (R)	UNUSED	UNUSED
P WNKS (S)	UNUSED	PXXX	P NXFR (S)	UNUSED	UNUSED
TIME		220	P ESNW (S)	UNUSED	UNUSED
P DIGT (R)	UNUSED	PXXX	P CAS (S)	UNUSED	UNUSED
NRCV (S)	UNUSED	UNUSED	CLRF (R)	UNUSED	UNUSED
P EOSF (S)	UNUSED	UNUSED	SOS (R)	UNUSED	UNUSED
P EOSB (S)	UNUSED	UNUSED	P BRLS (S)	UNUSED	UNUSED
P OPCA (R)	UNUSED	UNUSED	P FRLS (R)	UNUSED	UNUSED
E CONN (S)	0101	0101			

Table 14
Default values for Signaling Categories 1 & 16 (Outgoing Calls)

Outgoing Calls	SICA 1	SICA 16
E SEZ (S)	0001	0101
SEZD (S)	UNUSED	UNUSED
SEZV (S)	UNUSED	UNUSED
SEZA (R)	1101	UNUSED
P WNKS (R)	UNUSED	PXXX
TIME		136 288
P EOS (R)	UNUSED	UNUSED
CONN (S)	0001	0101
E CONN (R)	0101	0101
P OPRC (R)	UNUSED	UNUSED
P BURS (S)	UNUSED	UNUSED
P BURS (R)	UNUSED	UNUSED
C CLRB (R)	1101	1101
P RCTL (R)	UNUSED	UNUSED
P NXFR (R)	UNUSED	UNUSED
P ESNW (R)	UNUSED	UNUSED
P CAS (R)	UNUSED	UNUSED
CLRF (S)	UNUSED	UNUSED
SOS (R)	UNUSED	UNUSED
P FRLS (S)	UNUSED	UNUSED
P BRLS (R)	UNUSED	UNUSED

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
500L	(0)-1	ANI request tone (500 Hz) transmission level. The prompt appears only when CISFW is set to MFA. The transmission level may be set to the following values: 0 (default) = -7.3 DB 1 = -3.5 DB	
ACO	x y	Analog COT and WATS trunks. Where x = Rx code (receive) and y = Tx code (transmit). Response range for x and y is: 0-26. See “DTI2 / PRI2 / JDMI data blocks (FEAT = SYTI)” on page 863 for more information about x and y codes.	dti/pra-14
	<CR>	Initial values	
ACRC	(NO) YES	No reporting of CRC-4 error Automatic reporting of CRC-4 error during transmission ACRC is only printed for PRI2 loops and if MFF = CRC.	euro-20
ADD	x y	Analog Direct Inward Dial trunks. Where x = Rx code (receive) and y = Tx code (transmit). Response range for x and y is: 0-26. See “DTI2 / PRI2 / JDMI data blocks (FEAT = SYTI)” on page 863 for more information about x and y codes.	dti/pra-14
	<CR>	Initial values	
AFX	x y	Analog Foreign Exchange trunks. Where x = Rx code (receive) and y = Tx code (transmit). Response range for x and y is: 0-26. See “DTI2 / PRI2 / JDMI data blocks (FEAT = SYTI)” on page 863 for more information about x and y codes.	dti/pra-14
	<CR>	Initial values	
ALRM	(REG)	Regular firmware alarm handler (RAI transmission is controlled by software)	dti/pra-14
	ALT	Alternate firmware alarm handles (Immediate transmission of RAI by firmware) An error rate less than 10 is reported as a Group 1 alarm message.	

Prompt	Response	Comment	Pack/Rel
ATO	x y	Analog Toll Office trunks. Where x = Rx code (receive) and y = Tx code (transmit). Response range for x and y is: 0-26. See “DTI2 / PRI2 / JDMI data blocks (FEAT = SYTI)” on page 863 for more information about x and y codes.	gpri-18
	<CR>	Initial values	
BIPC	0-(2)-128	Bipolar violation Count threshold This is the maximum number of times a DTI/PRI loop can be taken out of service in 24 hours. If this threshold is reached the DTI/PRI must be restored to service manually. Refer to the *Digital Trunk Interface maintenance* NTP or the *PRI and DCHI maintenance* NTP for details. If “0” is entered, there is no limit on number of times trunks can be taken out and automatically restored to service. The method of bit rate monitoring depends on the loop configuration: 1. For DTI mode: bipolar violation threshold 2. For PRI mode with D2, D3, or D4 framing format: bipolar violation threshold 3. For PRI mode with Extended Superframe Format (ESF): Cyclic Redundancy Check (CRC) threshold	dti/pra-14
BIPV	1-(3)-4 1-(2)-4	Bipolar Violation maintenance and Out-of-Service threshold The BIPV values determine the sensitivity of the loop to errors, where BIPV = 1 is the most tolerant to errors, and BIPV = 4 is the least tolerant. The maintenance threshold must be greater than the out-of-service threshold.	dti/pra-14

Prompt	Response	Comment	Pack/Rel
		The method of bit rate monitoring depends on the loop configuration: 1. For DTI mode: bipolar violation thresholds 2. For PRI mode with D2, D3, or D4 framing format: bipolar violation thresholds 3. For PRI mode with Extended Superframe Format (ESF): Cyclic Redundancy Check (CRC) thresholds	
BPV	1-(128)-255	1-(122)-255 Bipolar Violation Maintenance and Out-of-Service thresholds. The values entered are multiplied by 16 to obtain the actual count, giving an actual range of 16-4080.	dti/pra-14
BPV	NB mt dt ct ot	Bipolar Violation error counts. Where: • NB = Error count values are in the range 1-(205)-255 • mt = Maintenance threshold time (MNT) • (default = 10S) • dt = No new data calls threshold time (NNDC) (default = 3S) • ct = No new calls threshold time (NNC) • (default = 3S) • ot = Out-of-service threshold time (OOS) • (default = 1S) **Response options for mt, dt, ct, ot:** Threshold time entries end in one of the following letters: T, S, M, H. These letters indicate the time increment to be used. Response options for mt, dt, ct and ot are as follows: • 20T–5000T = 20 millisecond increments • 1S–240S = 1 second increments • 1M–240M = 1 minute increments • 1H–24H = 1 hour increments	dti/pra-14

Prompt	Response	Comment	Pack/Rel
		Important note: The following requirements must be met: • mt = >dt = >ct = >ot	
BRIL	x y	Basic Rate Interface Line. Where x = Rx code (receive) and y = Tx code (transmit). Response range for x and y is: 0-26. See “DTI2 / PRI2 / JDMI data blocks (FEAT = SYTI)” on page 863 for more information about x and y codes.	gpri-18
	<CR>	Initial values	
BRIT	x y	Basic Rate Interface Trunk. Where x = Rx code (receive) and y = Tx code (transmit). Response range for x and y is: 0-26. See “DTI2 / PRI2 / JDMI data blocks (FEAT = SYTI)” on page 863 for more information about x and y codes.	gpri-18
	<CR>	Initial values	
C CLRB (R)	abcd	Clear Back. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-18
	N	If C CLRB (R) not required, when IDLE would be used	
C CLRB (S)	abcd	Clear Back. For information about your response options, refer to “Signaling category assignment and modification” on page 872. If Clear Back is configured as continuous pulsing then a 100 ms pulse is sent very 333 ms.	abcd-18
	N	If CLRB (S) not required (IDLE signal is used)	
CCAR	0-(15)	Clock Controller Audit Rate The time, in minutes, between normal CC audits. Only programmable on units equipped with 2.0 Mb/s DTI/PRI. Before programming clock controller references, the QPC775 clock controller card(s) must be plugged in, and the switches on the system's QPC441 3 Port Extender appropriately set. Unless this is done, the PREF and SREF prompts are not given.	supp-15
CC0	1-9	Card number for Clock Controller 0 (Option 11C with Survivable IP)	sipe-25

Prompt	Response	Comment	Pack/Rel
CC1	xx	Card number for Clock Controller 1. Where xx is: • 11-19 for Survivable IP expansion cabinet 1 • 11-14 for Survivable MG 1000S 1	 sipe-25 basic-1
CC2	xx	Card number for Clock Controller 2. Where xx is: • 21-29 for Survivable IP expansion cabinet 2 • 21-24 for Survivable MG 1000S 2	 sipe-25 basic-1
CC3	xx	Card number for Clock Controller 2. Where xx is: • 31-39 for Survivable IP expansion cabinet 3 • 31-34 for Survivable MG 1000S 3	 sipe-25 basic-1
CC4	xx	Card number for Clock Controller 2. Where xx is: • 41-49 for Survivable IP expansion cabinet 4 • 41-44 for Survivable MG 1000S 4	 sipe-25 basic-1
CCGD	0-(15)-1440	Clock Controller free run Guard time (in minutes)	supp-15
CDTI2	(NO) YES	No CDTI2/CSDTI2 Card CDTI2/CSDTI2 Card	dti/pra-14
CEQP	(NO) YES	Clock Controller Equipped Prompted only for SL-1 M, MS or S.	dti/pra-14
CISFW	 YES	CISFW defines the CDTI2/CSDTI2 card's FW option to be used. YES means that this loop is CIS DTI trunk. NO means that the given loop must be considered as DTI2. Prompted with CIST package 221 and CDTI2 = YES.	cist-21
	(NO) DP	Non CIS DTI2 signalling protocols on the NTCG01AA/NTCG02AA or NTCG01AB/NTCG02AB card. Dial Pulse CIS signalling protocol on the NTCG01AA/NTCG02AA card.	cismfs-23

Prompt	Response	Comment	Pack/Rel
	MFS	Both the CIS Dial Pulse and the CIS MFS signalling protocols on the NTCG01AB/NTCG02AB. Minimum card vintages are specified.	
	MFA	CIS Firmware type is MFA - which means that the Multifrequency Shuttle protocol handling + ANI Reception + Firmware Dial Tone Detection capabilities are supported	cist-24
CLEA	0-(100)-256	Clearance timer for Group II problems in 2 millisecond increments. CLEA is only printed for PRI2 loops.	euro-20
CLKN	xx	Card number for Clock Controller (Option 11C) Where: • xx = 1-9	supp-18
CLRB (R)	abcd	Clear Back. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
	N	If CLRB (R) not required, when IDLE would be used	
CLRB (S)	abcd	Clear Back. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
	N	If CLRB (S) not required (IDLE signal is used)	
CLRF (R)	abcd	Clear Forward. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-18
	N	If CLRF (R) not required	
CLRF (S)	abcd	Clear Forward. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-18
	N	If CLRF (S) not required	
CONN (R)	abcd	Connect. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
CONN (S)	abcd	Connect. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14

Prompt	Response	Comment	Pack/Rel
CRC	1-(201)-255	1-(97)-255 Cyclic Redundancy Check threshold	pri2-14
CRC	NC mt dt ct ot	Cyclic Redundancy Check error counts. Where: • NC = Error count values are in the range • 1 - 255 - error count value • mt = Maintenance threshold time (MNT) • (default = 10S) • dt = No new data calls threshold time (NNDC) • (default = 3S) • ct = No new calls threshold time (NNC) • (default = 3S) • ot = Out-of-service threshold time (OOS) • (default = 1S) **Response options for mt, dt, ct, ot:** Threshold time entries end in one of the following letters: T, S, M, H. These letters indicate the time increment to be used. Response options for mt, dt, ct and ot are as follows: • 20T–5000T = 20 millisecond increments • 1S–240S = 1 second increments • 1M–240M = 1 minute increments • 1H–24H = 1 hour increments **Important note**: The following requirements must be met: • mt = >dt = >ct = >ot	pri2-14
C SUPO(S)	abcd	Complex Supervision to Operator signal used for KD3 signalling calls to Special Services with Hold. For information about your response options, refer to “Signaling category assignment and modification” on page 872. Note that the input for the a field must be C.	kd3-20
	N	If SUPO not required	

Prompt	Response	Comment	Pack/Rel
CTRR		Clock tracking recovery in case of Blue Alarm on reference loops (Small System).	basic-4.50
	(NO)	Software controlled clock reference tracking recovery is disabled in case of Blue Alarm on the reference loops.	
	YES	Software controlled clock reference tracking recovery is enabled in case of Blue Alarm on the reference loops.	
DBNC	(10)-32	Debounce timer (in milliseconds) For DTI2 only.	pedm-18
DCO	x y	Digital COT, FEX, WAT, and DID trunks. Where x = Rx code (receive) and y = Tx code (transmit). Response range for x and y is: 0-26. See “DTI2 / PRI2 / JDMI data blocks (FEAT = SYTI)” on page 863 for more information about x and y codes.	dti/pra-14
	<CR>	Initial values	
DFLT	(1)-16	Default signaling category to be used for default values. When REQ = NEW, default is SICA 1 for DTI2 and SICA 16 for JDMI. Table 8 on page 868 shows the default values for both Signaling Categories 1 & 16.	dti/pra-14
	<CR>	A carriage return configures default values, according to your configuration: **DTI/PRI** - default pad codes from Table 8 on page 868. (PDCA 1). Must be equipped with GPRI package 167. **BRIL/BRIT/DTI2/PRI2** - default pad codes from Table 9 on page 868. (PDCA 1) **JDMI** - default pad codes from Table 10 on page 871. (PDCA 16)	
DSET	x y	Meridian Digital Set. Where x = Rx code (receive) and y = Tx code (transmit). Response range for x and y is: 0-26. See “DTI2 / PRI2 / JDMI data blocks (FEAT = SYTI)” on page 863 for more information about x and y codes.	gpri-18
	<CR>	Initial values	
DTO	x y	1.5 Mb/s DTI/PRI Digital TOLL Office trunks. Where x = Rx code (receive) and y = Tx code (transmit). Response range for x and y is: 0-26. See “DTI2 / PRI2 / JDMI data blocks (FEAT = SYTI)” on page 863 for more information about x and y codes.	gpri-18

Prompt	Response	Comment	Pack/Rel
	<CR>	Initial values	
DTT	x y	Digital TIE Trunks. Where x = Rx code (receive) and y = Tx code (transmit). Response range for x and y is: 0-26. See “DTI2 / PRI2 / JDMI data blocks (FEAT = SYTI)” on page 863 for more information about x and y codes.	gpri-18
	<CR>	Initial values	
E CONN (R)	abcd	Connect. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
E CONN (S)	abcd	Connect. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
E SEZ (R)	abcd	Seize for voice or data calls to a non-SL-1. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-18
E SEZ (S)	abcd	Seize for voice or data calls to a non-SL-1. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-18
EDGE		Edge of pulse	dti/pra-14
	0	PPM bit counted when changed from 1 to 0	
	1	PPM bit counted when changed from 0 to 1	
EFCS	(NO) YES	Enable Fast Clock Switching EREF option in LD 60 must be chosen to enable this prompt.	dti/pra-18
FALT (R)	abcd	Fault (DTI out-of-service). For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
	N	If FALT not required	
FALT (S)	abcd	Fault (DTI out-of-service). For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
	N	If FALT not required	

Prompt	Response	Comment	Pack/Rel
FAP	1-(28)-255 (1)-255	Frame Alignment thresholds	dti/pra-14
	NF mt dt ct ot	Frame Alignment Problem thresholds Where: • NF = Error count values are in the range: 1-(32)-255 • mt = Maintenance threshold time (MNT) • (default = 4S) • dt = No new data calls threshold time (NNDC) • (default = 1S) • ct = No new calls threshold time (NNC) • (default = 1S) • ot = Out-of-service threshold time (OOS) • (default = 100T) **Response options for mt, dt, ct, ot:** Threshold time entries end in one of the following letters: T, S, M, H. These letters indicate the time increment to be used. Response options for mt, dt, ct and ot are as follows: • 20T–5000T = 20 millisecond increments • 1S–240S = 1 second increments • 1M–240M = 1 minute increments • 1H–24H = 1 hour increments **Important note**: The following requirements must be met: mt = >dt = >ct = >ot	dti/pra-14

Prompt	Response	Comment	Pack/Rel
FEAT		Feature	dti/pra-14
	ABCD	ABCD bit signaling category Valid response when TYPE = DTI2 or JDMI. Refer to NTP 553-2911-200 for default ABCD table with suggested values.	
	PAD	Pad category Valid response for all types. This prompt is not applicable for DPNSS and DASS2 applications. For DPNSS, the pad values are automatically set to zero (0) for both transmit and receive. For DASS2, the loss pad values are set to zero (0) for transmit and four (4) for receive. If TYPE = BRIL or BRIT, then FEAT = PAD is the only response allowed.	
	LPTI	Loop Timers Valid response when TYPE = DTI2, JDMI or PRI2.	
	SYTI	System Timers and counter (only one set per system) Valid response when TYPE = DTI2, JDMI or PRI2.	
FRFW	(NO) YES	This DTI2 loop is (is not) equipped with special Firmware for France.	dti/pra-18

Prompt	Response	Comment	Pack/Rel
GP2	T2 mt dt ct ot	Group 2 error thresholds Where: • T2 = Error count values in range: 1-(20)-255. The T2 entry defines the maximum time that can occur before software checks the associated thresholds of 120 to 32,640 msec and rounds them to the closest multiple of 128 msec. • mt = Maintenance threshold time (MNT) • (default = 100S) • dt = No new data calls threshold time (NNDC) • (default = 12S) • ct = No new calls threshold time (NNC) • (default = 12S) • ot = Out-of-service threshold time (OOS) • (default = 4S) **Response options for mt, dt, ct, ot:** Threshold time entries end in one of the following letters: T, S, M, H. These letters indicate the time increment to be used. Response options for mt, dt, ct and ot are as follows: • 20T–5000T = 20 millisecond increments • 1S–240S = 1 second increments • 1M–240M = 1 minute increments • 1H–24H = 1 hour increments **Important note**: The following requirements must be met: • mt = >dt = >ct = >ot	dti/pra-14
ICS	0-159	Multi Purpose Serial Data Link Idle Code Selection Loop number for which IDLE PCM code has to be sent Precede loop number with X to remove	pra-24

Prompt	Response	Comment	Pack/Rel
IDLE (R)	abcd	Idle. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
IDLE (S)	abcd	Idle. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
ITBP	8-(72)-248	Idle Time between PPM pulses in milliseconds	kd3-20
ITPP	(NO) YES	Italian PPM option denied Italian PPM option allowed	kd3-20
LCLB	(NO) YES	Lockout Clear Back option for DID trunks	
LFAC	0-(3)-128	Loss-of-Frame-Alignment Counter This is the maximum number of times a DTI/PRI loop can be taken out-of-service in 24 hours. If this threshold is reached the DTI/PRI must be restored to service manually. If “0” is entered, there is no limit on number of times that trunks can be taken out and automatically restored to service.	dti/pra-14
LFAL	1-(17)-10240	1-(511)-10240 Loss-of-Frame-Alignment maintenance and out-of-service thresholds for a 24 hour period The maintenance threshold must be greater than the out-of-service threshold.	dti/pra-14
LOOP	loop card	PRI2 Loop number PRI2 or DTI2 card slot for Option 11C only	dti/pra-14
LOOP	loop	DTI Loop number Must be defined in LD 17.	dti/pra-14
MAND	0-(15)-1440	Maintenance guard time (in minutes). For DTI2 only.	dti2-14
MCM	x y <CR>	M1 CT2 Mobility Pad value. . Where x = Rx code (receive) and y = Tx code (transmit). Response range for x and y is: 0-26. See “DTI2 / PRI2 / JDMI data blocks (FEAT = SYTI)” on page 863 for more information about x and y codes. Initial values	mcmo-20

Prompt	Response	Comment	Pack/Rel
MFAO		Multiframe Alignment Option	dti/pra
	YES	DTI card will set bit 3 of timeslot 0 if loss of Multiframe Alignment Signal (MFAS) occurs (JDMI default)	
	NO	DTI card will not set bit 3 of timeslot 0 if loss of Multiframe Alignment Signal (MFAS) occurs (DTI2 default)	
	<CR>	No change is required.	
MFF		Multiframe Format The prompt appears only if CDTI2 = YES. CRC4 or Alternate Frame Format may be chosen. In the previous design, this prompt was issued for SDC2 (Option 11C DTI2) loops.	dti/pra-14
	(AFF) CRC	Alternative Frame Format Cyclic Redundancy Check (CRC 4). CRC is prompted for Small System. For Large System, only AFF is supported.	
MFSL	(0)-3	The MFS signals transmission level. The prompt appears when CISFW is set to MFS or MFA and the CISMFS package is equipped. The transmission level may be set to the following values: (0) = -7.3 db 1 = -5.0 db 2 = -3.5 db 3 = 0 DB	
MINP	8-(72)-248	Idle time between PPM pulses (in milliseconds)	kd3-20
MNG1	nnnM	Maintenance Guard time Group 1, where nnn = 1-(15)-240. Default = 15M.	dti/pra-14
MNG2	nnnM	Out-of-Service Guard time Group 1, where nnn = 1-(15)-240. Default = 15M.	dti/pra-14
NCG1	nnnM	No New Calls Guard time Group 1, where nnn = 1-(15)-240. Default = 15M.	dti/pra-14
NCG2	nnnS	No New Calls Guard time Group 2, where nnn = 1-(15)-240. Default = 15S.	dti/pra-14

Prompt	Response	Comment	Pack/Rel
NCSD	0-(15)-1440	1S-59S New Call Suppression Guard time in minutes and seconds. For DTI2 only.	dti2-14
NOOS		The grade of service feat	dti/pra-18
	(NO)	Enable current grade of service feat	
	YES	Alternate grade of service feat	
NRCV (S)	abcd	Number Received. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
	N	If NRCV (S) not required	
NTC	x y	Non-Transmission Compensated (Analog TIE). Where x = Rx code (receive) and y = Tx code (transmit). Response range for x and y is: 0-26. See “DTI2 / PRI2 / JDMI data blocks (FEAT = SYTI)” on page 863 for more information about x and y codes.	dti/pra-14
	<CR>	Initial values	
ONP	x y	On-Premises extension. Where x = Rx code (receive) and y = Tx code (transmit). Response range for x and y is: 0-26. See “DTI2 / PRI2 / JDMI data blocks (FEAT = SYTI)” on page 863 for more information about x and y codes.	dti/pra-14
	<CR>	Initial values	
OOSC	0-(5)-127	Out-of-Service Counter (Counts out-of-service occurrences since midnight) (DTI disabled) For DTI2 only.	dti2-14
OPX	x y	Off-Premises Extension. Where x = Rx code (receive) and y = Tx code (transmit). Response range for x and y is: 0-26. See “DTI2 / PRI2 / JDMI data blocks (FEAT = SYTI)” on page 863 for more information about x and y codes.	dti/pra-14
	<CR>	Initial values	
OSG1	nnnM	Out-of-Service Guard time Group 1, where nnn = 1-(15)-240.	dti2-14
OSG2	nnnS	Out-of-Service Guard time Group 2, where nnn = 1-(15)-240. Default = 15S.	dti2-14

Prompt	Response	Comment	Pack/Rel
OSGD	0-(15)-1440	Out-of-Service Guard time (in minutes). For DTI2 only.	dti2-14
P BRLS (R)	abcd	Backward Release. For information about your response options, refer to “Signaling category assignment and modification” on page 872. This signal is mutually exclusive with the P RCTL (R) signal.	abcd-18
	N	If P BRLS (R) not required	
P BRLS (S)	abcd	Backward Release. For information about your response options, refer to “Signaling category assignment and modification” on page 872. This signal is mutually exclusive with P RCTL (S) and RCOD (S) signals.	abcd-18
	N	If P BRLS (S) not required	
P BURS (R)	abcd	Bring Up Receiver for L1 networking. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
	N	If BURS (R) not required	
P BURS (S)	abcd	Bring Up Receiver for L1 networking. For information about your response options, refer to “Signaling category assignment and modification” on page 872. Uses switchhook flash timer for pulse duration time.	abcd-14
	N	If BURS (S) not required	
P CALL (R)	abcd	Signal sent during seize by an incoming CO trunk. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
P CAS (R)	abcd	Centralized Attendant Service (DTI2 only). For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
	N	If CAS (R) not required	
P CAS (S)	abcd	Centralized Attendant. For information about your response options, refer to “Signaling category assignment and modification” on page 872. Pulse time not variable. Prompted for DTI2 only.	abcd-14
	N	If CAS (S) not required	

Prompt	Response	Comment	Pack/Rel
P DIGT (R)	abcd	Decadic pulses. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
	N	If DIGT (R) not required	
P DIGT (S)	abcd	Digit pulse timing from TDS (Bits P, X or U). For information about your response options, refer to “Signaling category assignment and modification” on page 872. JDMI default = PXXX	abcd-14
	N	If DIGT (S) signal not required	
P EOS (R)	abcd	End of Selection. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
	N	If EOS (R) not required	
P EOSB (S)	abcd	End of Selection Busy. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
	N	If EOSB (S) not required	
P EOSF (S)	abcd	End Of Selection Free. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
	N	If EOSF (S) not required	
P ESNW (R)	abcd	ESN Wink. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
	N	If ESNW (R) not required	
P ESNW (S)	abcd	ESN Wink. For information about your response options, refer to “Signaling category assignment and modification” on page 872. Pulse time not variable.	abcd-14
	N	If ESNW (S) not required	
P FRLS (R)	abcd	Forward Release. For information about your response options, refer to “Signaling category assignment and modification” on page 872. This signal is mutually exclusive with CLRF (R) the signal.	abcd-18
	N	If P FRLS (R) not required	

Prompt	Response	Comment	Pack/Rel
P FRLS (S)	abcd	Forward Release. For information about your response options, refer to “Signaling category assignment and modification” on page 872. This signal is mutually exclusive with the CLRF (S) signal.	abcd-18
	N	If P FRLS (S) not required	
P METR (R)	abcd	ABCD bits value for received metering pulses. For information about your response options, refer to “Signaling category assignment and modification” on page 872. Bits P, X or U are selectable. Only two P bits may be selected. P METR (R) is prompted only when COT and DID trunks are equipped. Periodic Pulse Metering (PPM) package 101 is required.	ppm-14
	N	If METR (R) signal not required N must be selected when either a CDTI2 or a CSDTI2 cards is equipped. These cards do not support PPM.	
P NXFR (R)	abcd	Network Transfer. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
	N	If not required	
P NXFR (S)	abcd	Network Transfer. For information about your response options, refer to “Signaling category assignment and modification” on page 872. Pulse time not variable.	abcd-14
	N	If NXFR (S) not required	
P OPCA (R)	abcd	Operator Calling. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
	N	If OPCA (R) not required	
P OPRC (R)	abcd	Operator Recall for special services. For information about your response options, refer to “Signaling category assignment and modification” on page 872. Minimum three pulses of 160 milliseconds each.	abcd-14
	N	If OPRC (R) not required	

Prompt	Response	Comment	Pack/Rel
P OPRS (R)	abcd	Operator manual recall. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
	N	If OPRS (R) not required	
P RCOD (S)	abcd	Release Control Originating party Disconnect. For information about your response options, refer to “Signaling category assignment and modification” on page 872. This signal is another pulsed SL-1 signal sent on incoming trunks when the originating party disconnects first.	abcd-15
	N	If RCOD (S) not required	
P RCTL (R)	abcd	Release Control. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
	N	If RCTL (R) not required	
P RCTL (S)	abcd	Release Control. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
	N	If RCTL (S) not required Prompted when CLRB is unused or is defined the same as IDLE.	
P RRC (S)	abcd	Register Recall (activated by Malicious Call Trace). For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
	N	If RRC(S) not required	
P WNKS (R)	abcd	Wink Start. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-18
	N	If P WNKS (R) not required	
P WNKS (S)	abcd	Wink Start (corresponds to a pulsed seize. For information about your response options, refer to “Signaling category assignment and modification” on page 872. acknowledgment).	abcd-18
	N	If P WNKS (S) not required P WNKS (S is prompted when SEZA (S) is not required.	

Prompt	Response	Comment	Pack/Rel
PDCA	1-16	Pad Category table (Pad Category Table1 cannot be changed or deleted)	dti/pra-14
	<CR>	Print all the pad category tables	
PERS	0-(100)-254	Persistence timer in milliseconds for far-end problems For DTI2 only.	dti2-14
	0-(50)-254	Group 2 Persistence timer and clearance timer (in 2 millisecond increments)	
PPMD	(NO)	PPM Parameter Download not required	kd3-20
	YES	PPM Parameter Download required	
PRCS (S)	abcd	PRCS. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
	N	If PRCS (S) not required	
PREF		Primary Reference	dti/pra-14
	0-159	Source loop for clock controller (Large System format)	
	0-254	Systems with Fibre Network Fabric	fnf-25
	l s c	Source from a Basic Rate Interface Trunk (BRIT) S/T Interface Line Card (SILC) (Large System format) Where: • l = 0-156 (loop number must be zero or a multiple of four) • s = 0-1 • cc = 0-15 The SILC must have DSL 0 defined as a trunk and CLOK = YES in LD 27.	
	1-9	Source card for clock controller (Option 11C format) The response must be the same as CLKN above, or <CR> for free run. If source is a Basic Rate Interface Trunk (BRIT) S/T Interface Line Card (SILC) then the SILC must have DSL 0 defined as a trunk and CLOK = YES in LD 27.	
	<CR>	If REQ = NEW and carriage return is entered, then Primary Reference is free-run mode. If REQ = CHG, then Primary Reference is not changed.	

Prompt	Response	Comment	Pack/Rel
		The loop or card must already be defined in LD 17 (prompt DLOP). Use <CR> for free-running mode. Free-running mode uses loop 255. If <CR> is used, you are not prompted for the Secondary Reference (SREF). Precede with X to remove	
PREF CC0	loop	Primary Reference DTI/PRI loop for Clock controller zero (non-Small System). The clock controller will derive its primary clock pulses from the loop selected here.	dti/pra-14
	1-9	Card number containing the primary clock reference for the main cabinet (Option 11C)	
		If a BRI trunk (BRIT) is the reference source then the SILC must have DSL 0 defined as a trunk and CLOK = YES in LD 27.	
		Card number of PRI/DTI/SILC or DTI2/PRI2/SILC containing the primary clock reference main cabinet (Option 11C)	
	0-254	Systems with Fibre Network Fabric	fnf-25
	<CR>	Primary Reference remains at current setting	
	X	Primary Reference reverts to the free-run mode	
PREF CC1	loop	Primary Reference DTI/PRI loop for Clock controller one. The response is the loop from which the clock controller will be deriving its primary clock pulses. (Large System)	dti/pra-14
	0-254	Systems with Fibre Network Fabric	fnf-25
	<CR>	Primary Reference remains at current setting	
	X	Primary Reference reverts to the free-run mode	
	xx	Card number of PRI/DTI/SILC or DTI2/PRI2/SILC containing the primary clock reference. Where xx is:	
		• 11-19 for IP expansion cabinet 1	sipe-25
		• 11-14 for MG 1000S 1	basic-1
PREF CC2	xx	Card number of PRI/DTI/SILC or DTI2/PRI2/SILC containing the primary clock reference. Where xx is:	
		• 21-29 for IP expansion cabinet 2	sipe-25
		• 21-24 for MG 1000S 2	basic-1
PREF CC3	xx	Card number of PRI/DTI/SILC or DTI2/PRI2/SILC containing the primary clock reference. Where xx is:	
		• 31-39 for IP expansion cabinet 3	sipe-25
		• 31-34 for MG 1000S 3	basic-1

Prompt	Response	Comment	Pack/Rel
PREF CC4	xx	Card number of PRI/DTI/SILC or DTI2/PRI2/SILC containing the primary clock reference. Where xx is:	
		• 41-49 for IP expansion cabinet 4	sipe-25
		• 41-44 for MG 1000S 4	basic-1
PRI	x y	1.5 Mb/s PRI/DTI trunk. Where x = Rx code (receive) and y = Tx code (transmit). Response range for x and y is: 0-26. See “DTI2 / PRI2 / JDMI data blocks (FEAT = SYTI)” on page 863 for more information about x and y codes.	gpri-18
	<CR>	Initial values	
PRI2	x y	2.0 Mb/s PRI/DTI trunk. Where x = Rx code (receive) and y = Tx code (transmit). Response range for x and y is: 0-26. See “DTI2 / PRI2 / JDMI data blocks (FEAT = SYTI)” on page 863 for more information about x and y codes.	gpri-18
	<CR>	Initial values	
RAIE	(NO)	Disable reporting of RAIE Group II alarm state with continuous CRC error information reporting	euro-20
	YES	Enable reporting of RAIE Group II alarm state with continuous CRC error information reporting	
RALM	1-(3)-128	Remote (yellow) Alarm clear threshold This is the number of “remote alarm clear” signals received in 24 hours. If the threshold is reached the DTI/PRI must be restored to service manually.	dti/pra-14
RATS	1-(10)-15	The number of consecutive seconds the firmware has to check and validate error rate condition.	dti/pra-18
REPT	(1)-5	Number of OPCA (R) pulses	dti/pra-14
REQ		Request	dti/pra-14
	CHG	Change existing data block	
	END	Exit Overlay program	
	NEW	Create a new data block	
	OUT	Remove data block	
	PRT	Print the specified data block	
SASU	0-32256	Seize Acknowledge Supervision period (in milliseconds) DTI2 default = 1920; JDMI default = 4992	sasu-18

Prompt	Response	Comment	Pack/Rel
SATT	x y	Satellite Analog TIE Trunks. Where x = Rx code (receive) and y = Tx code (transmit). Response range for x and y is: 0-26. See “DTI2 / PRI2 / JDMI data blocks (FEAT = SYTI)” on page 863 for more information about x and y codes.	gpri-18
	<CR>	Initial values	
SDTT	x y	Satellite Digital TIE Trunks. Where x = Rx code (receive) and y = Tx code (transmit). Response range for x and y is: 0-26. See “DTI2 / PRI2 / JDMI data blocks (FEAT = SYTI)” on page 863 for more information about x and y codes.	gpri-18
	<CR>	Initial values	
SEZA (R)	abcd	Seize Acknowledgment. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
	N	If SEZA (R) not required	
SEZA (S)	abcd	Seize Acknowledgment. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
	N	If SEZA (S) not required	
SEZD (R)	abcd	Seize for voice or data calls from a non-SL-1. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-18
SEZD (R)	abcd	Seize for data calls between SL-1s. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-18
	N	If SEZD (R) signal not required	
SEZD (S)	abcd	Seize for data calls (only recommended for SL-1 to SL-1 applications). For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
	N	If SEZD (S) not required	
SEZV (R)	abcd	Seize for voice calls. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
	N	If SEZV (R) signals not required	

Prompt	Response	Comment	Pack/Rel
SEZV (S)	abcd	Seize for voice calls (only recommended for SL-1 to SL-1 applications). For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
	N	If SEZV (S) not required	
SICA	2-16	Signaling Category	abcd-14
	1	If REQ = PRT, then 1 must be input to print default table	
	<CR>	If REQ = PRT, all signaling tables are printed	
SLP	mc mt oc ot	Slip count. Where: • mc = Maintenance threshold slip count 1-(5)-255 • mt = Maintenance threshold time default = 24H • oc = Out-of-service threshold slip count 1-(30)-255 • ot = Out-of-service threshold time default = 1H Threshold times must be one of the following: • nnnnT, nnnS, nnnM, or nnH Where: • nnnn is an integer • T,S,M, or H show the increments of use The time values are as follows: • nnnnT = 20 millisecond increments (nnnn = 20-5000) • nnnS = 1 second increments (nnn = 1-240) • nnnM = 1 minute increments (nnn = 1-240) • nnH = 1 hour increments (nn = 1-24)	dti/pra-14

Prompt	Response	Comment	Pack/Rel
	NS mt dt ct ot	Slip count maintenance threshold. Where: • NS = Error count values are in the range: 1-(20)-255 • mt = Maintenance threshold time (MNT) • (default = 30S) • dt = No new data calls threshold time (NNDC) • (default = 10S) • ct = No new calls threshold time (NNC) • (default = 10S) • ot = Out-of-service threshold time (OOS) • (default = 6S) **Response options for mt, dt, ct, ot:** Threshold time entries end in one of the following letters: T, S, M, H. These letters indicate the time increment to be used. Response options for mt, dt, ct and ot are as follows: • 20T–5000T = 20 millisecond increments • 1S–240S = 1 second increments • 1M–240M = 1 minute increments • 1H–24H = 1 hour increments **Important note**: The following requirements must be met: • mt = >dt = >ct = >ot	dti/pra-14
SOS	abcd	Special Operator Signal. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	abcd-14
	N	Undefined Prompted when OPRC = N.	

Prompt	Response	Comment	Pack/Rel
SREF		Secondary Reference. Prompted when PREF is not free-run.	dti/pra-14
	0-159	Source loop for clock controller (non-Option 11C format)	
	0-254	Systems with Fibre Network Fabric	fnf-25
	l s c	Source from a Basic Rate Interface Trunk (BRIT) S/T Interface Line Card (SILC) (non-Option 11C format) Where: • l = 0-156 (loop # must be 0 or a multiple of 4) • s = 0-1 • cc = 0-15 The SILC must have DSL 0 defined as a trunk and CLOK = YES in LD 27.	
	1-9	Source card for clock controller (Option 11C format) If source is a Basic Rate Interface Trunk (BRIT) S/T Interface Line Card (SILC) then the SILC must have DSL 0 defined as a trunk and CLOK = YES in LD 27. The loop or card must already be defined in LD 17 at the DLOP prompt.	
	<CR>	Free-running mode. Loop 255 is reserved for free-running mode.	
	X	Precede with X to remove	
SREF CC0	loop	Secondary Reference DTI/PRI loop for Clock controller zero (non-Small System). The response is the loop from which the clock controller will be deriving its secondary clock pulses.	dti/pra-14
	0-254	Systems with Fibre Network Fabric	fnf-25
	1-9	Card number of PRI/DTI/SILC or DTI2/PRI2/SILC containing the secondary clock reference for the main cabinet (Option 11C) If a BRI trunk (BRIT) is the reference source then the SILC must have DSL 0 defined as a trunk and CLOK = YES in LD 27.	sipe-25
	<CR>	Secondary Reference remains at current setting	
	X	Secondary Reference reverts to the free-run mode	
SREF CC1	loop	Secondary Reference DTI/PRI loop for Clock controller one. The response is the loop from which the clock controller will be deriving its secondary clock pulses. (Large System)	dti/pra-14
	0-254	Systems with Fibre Network Fabric	fnf-25

Prompt	Response	Comment	Pack/Rel
	<CR> X	Secondary Reference remains at current setting Secondary Reference reverts to the free-run mode	
		The clock controller prompts will only appear for clocks which are valid for the machine type being configured.	
		The prompts will only appear if the system is in a valid state for the definition of the DTI2/PRI2/BRIT clock controller data (i.e., the 1.5 Mb/s DTI clock references must be unused or in a free-run mode).	
	xx	Card number of PRI/DTI/SILC or DTI2/PRI2/SILC containing the primary clock reference. Where xx is:	
		• 11-19 for IP expansion cabinet 1	sipe-25
		• 11-14 for MG 1000S 1	basic-1
SREF CC2	xx	Card number of PRI/DTI/SILC or DTI2/PRI2/SILC containing the primary clock reference. Where xx is:	
		• 21-29 for IP expansion cabinet 2	sipe-25
		• 21-24 for MG 1000S 2	basic-1
SREF CC3	xx	Card number of PRI/DTI/SILC or DTI2/PRI2/SILC containing the primary clock reference. Where xx is:	
		• 31-39 for IP expansion cabinet 3	sipe-25
		• 31-34 for MG 1000S 3	basic-1
SREF CC4	xx	Card number of PRI/DTI/SILC or DTI2/PRI2/SILC containing the primary clock reference. Where xx is:	
		• 41-49 for IP expansion cabinet 4	sipe-25
		• 41-44 for MG 1000S 4	basic-1
SRIM	(1)-127	Slip Rate Improvement Monitoring time (the amount of time in minutes before returning trunks either to service or to the SRGT state)	dti/pra-15
		After the tracking or non-tracking mode frame slippage out-of-service threshold is exceeded, the slip rate is monitored for improvement.	
		If the non-tracking maintenance threshold exceeds SRMM or fewer times in the duration of this timer, then the trunks are returned to service. Otherwise, this timer is reset and monitoring continues.	

Prompt	Response	Comment	Pack/Rel
SRMM	1-(2)-127	Slip Rate Maintenance Maximum Number of times the Slip Rate exceeds the maintenance limit while waiting for Slip Rate improvement during the time window specified at the SRIM prompt.	dti/pra-14
SRNT	1-(15)-1024 1-(3)-1024	Slip Rate Non-Tracking mode maintenance and out-of-service thresholds These are frame slip rate thresholds for the non-tracking mode. The first value is the maintenance threshold in seconds. The second value is the out-of-service threshold in seconds, the amount of time in which 10 slips occur.	dti/pra-14
SRTK	1-(5)-24 1-(30)-3600	Slip Rate Tracking mode maintenance (in hours) and out-of-service thresholds (per hour) These are frame slip rate thresholds for the tracking mode. The first value is the maintenance threshold or the elapsed time (in hours) between frame slips. The default is 1 slip in 5 hours. The second value is the out-of-service threshold or the number of slips per hour. The default is 30 slips in 1 hour.	dti/pra-14
SZNI	(NO) YES	PSTN incoming seizure during lockout of MFAS and far-end fault states allowed	
TGLR	(NO) YES	Toggle reserves bits in Frame 0, Timeslot 0. Prompted for JDMI loops.	jdmi-14
TIME	1-(2)-15 1-(8)-15	Pulse on time Pulse off time	
	(100)-150	Time for EOSF (S) (in milliseconds)	abcd-14
	64-(128)-192	Time of OPCA (R) pulse (in milliseconds)	abcd-14
TIME	10-(100)-630	Time of Register Recall signal timer {RRC (S)} in milliseconds. This defines the flash duration for 2.0 Mbit DTI trunks.	emct-20

Prompt	Response	Comment	Pack/Rel
	64-(128)-192	Length of BURS (R) pulse (in milliseconds)	abcd-14
	xxxx yyyy	abcd-14 Minimum and maximum time range for OPRS (R) (in milliseconds). Where: • xxxx = 8-(48)-2040 • yyyy = xxxx-(128)-2040	abcd-14
	50 80 90 (150) 800	Delay time for the SEZA signal (in milliseconds)	abcd-14
	20-(140)-500 20-(290)-500	Minimum and maximum length of WNKS (R) pulse (in milliseconds).	abcd-14
	64-(128)-192	Length of BURS (R) pulse (in milliseconds)	abcd-14
	40-(240)-480	Maximum time METR signal can be on (in milliseconds)	
	(0)-800	Milliseconds Prompted when the abcd bits entered in response to the CLFR (S) prompt are different from the abcd bits of the IDLE signal	abcd-14
	100-(150) 300	Time value is stored (in multiples of 10 milliseconds)	
	150 (64)-320 64-(256)-320	Timer value in milliseconds is fixed Length of EOS (R) pulse (in increments of 8 milliseconds)	
	96-(128)-320 96-(256)-320	Time (stored in multiples of 8 milliseconds)	
	10-(220)-630	Time for P WNKS (S) (in increments of 10ms)	abcd-18
	16-(96)-1000 16-(160)-1000	Minimum and maximum acceptable pulse duration (in increments of 8 ms)	

Prompt	Response	Comment	Pack/Rel
	10-(150) 630	Prompted for pulsed signals (in increments of 10 ms)	
	10-(600)-2000	Prompted for pulsed signals (in increments of 10 ms)	
	10-(600)-2000	Pulse length (in increments of 10 milliseconds)	
	16-(296)-2000 16-(960)-2000	Minimum and maximum acceptable pulse duration (in increments of 8 milliseconds)	
	10-(150)-630	Only prompted for pulsed signals. Pulse length (in increments of 10 milliseconds)	
	16-(136)-504 16-(288)-504	Minimum and maximum length of P WNKS (R) pulse (in increments of 8 milliseconds)	abcd-18
	16-(56)-1000 16-(296)-1000	Only prompted for pulsed signals. Pulse length (in increments of 8 milliseconds)	
	16-(296)-2000 16-(960)-2000	Only prompted for pulsed signals. Pulse length (in increments of 8 milliseconds)	
	10-(600)-2000	Only prompted for pulsed signals. Pulse length (in increments of 10 milliseconds)	
	16-(296)-2000 16-(960)-2000	Only prompted for pulsed signals. Pulse length (in increments of 8 milliseconds)	
TNLS		Terminal Number List (for the PRT command)	dti/pra-14
	(NO)	Will not print the list of trunk TNs using the requested table (pad category or SICA) following the table number.	
	YES	Will print the list of trunk TNs using the requested table (pad category or SICA) following the table number.	

Prompt	Response	Comment	Pack/Rel
TOLL	x y	Toll call pad data on line card. Where x = Rx code (receive) and y = Tx code (transmit). Response range for x = 0 - 31 and y = 8-39. The values entered are pad values to be used for the 500/2500 TN on the line card connected to the DTI2 call. Valid codes and their corresponding dB values are listed in Table 11 on page 871.	chtl-21
TOLT	x y	Toll call pad data on DTI2 card. Where x = Rx code (receive) and y = Tx code (transmit). Response range for x and y is: 0-26. See “DTI2 / PRI2 / JDMI data blocks (FEAT = SYTI)” on page 863 for more information about x and y codes.	chtl-21
TRC	x y	Transmission Compensated (Analog TIE). Where x = Rx code (receive) and y = Tx code (transmit). Response range for x and y is: 0-26. See “DTI2 / PRI2 / JDMI data blocks (FEAT = SYTI)” on page 863 for more information about x and y codes.	dti/pra-14
	<CR>	Initial values	
TRSH	0-15	Threshold set Enter this number in LD 17 when defining a DTI/PRI loop. Use X0-15 to remove TRSH. ***Note:*** The LD 17 DLOP/TRSH associated with this LD 73 TRSH must be removed first. Precede with X to remove.	dti/pra-19
TYPE		Type of data block	dti/pra-14
	BRIL	Basic Rate Interface Line data block with Basic Rate Interface Line Application (BRIL) package 235	
	BRIT	Basic Rate Interface Trunk data block with Integrated Service Digital Network BRI Trunk Access (BRIT) package 233.	
	DDB	1.5 Mb/s DTI data block	dti/pra-14
	DTI	1.5 Mb/s DTI with International 1.5/ 2.0 Mb/S Gateway (GPRI) package 167 data block	grpi-18
	DTI2	2.0 Mb/s DTI data block	
	JDMI	Japan Digital Multiplex Interface data block (not supported on Option 11C)	jdmi-12

Prompt	Response	Comment	Pack/Rel
	PRI	1.5 Mb/s PRI data block with International 1.5/ 2.0 Mb/s Gateway (GPRI) package 167	grpi-18
	PRI2	2.0 Mb/s PRI data block	
UCFS	abcd	Unequipped Channel Fault Signal - ABCD bits to be sent on unequipped channel. The default is 1101. Allowable input for each of the four fields is 0 or 1. For information about your response options, refer to “Signaling category assignment and modification” on page 872.	
VNL	x y	Via Net Loss (Analog TIE). Where x = Rx code (receive) and y = Tx code (transmit). Response range for x and y is: 0-26. See “DTI2 / PRI2 / JDMI data blocks (FEAT = SYTI)” on page 863 for more information about x and y codes.	dti/pra-14
	<CR>	Initial values	
XEM	x y	Extended Peripheral Equipment E&M Trunk (Analog TIE trunk). Where x = Rx code (receive) and y = Tx code (transmit). Response range for x and y is: 0-26. See “DTI2 / PRI2 / JDMI data blocks (FEAT = SYTI)” on page 863 for more information about x and y codes.	gpri-18
	<CR>	Initial values	
XUT	x y	Extended Peripheral Equipment Universal Trunk (Analog CO trunk). Where x = Rx code (receive) and y = Tx code (transmit). Response range for x and y is: 0-26. See “Default Pad Category 1 values (PDCA 1) (DTI/PRI with GPRI pkg 167)” on page 868 for more information about x and y codes.	gpri-18

LD 74: Digital Private Network Signaling System Link

Overlay program 74 allows data blocks for Digital Private Network Signaling System Number 1 (DPNSS1) and Digital Access Signaling System Number 2 (DASS2) protocols to be created or modified.

Prompts and responses

Prompt	Response	Comment
REQ	aaa	Request (aaa = CHG, END, NEW, OUT, or PRT)
TYPE	aaaa	Type of data block (aaaa = DDSL, DTSL, LSSL, LSRC, or LSVC)
LSSL	xx	Low Speed Signaling Link
RATE	a...a	Baud rate for Low Speed Signaling Link (aaaa = (EXT), 110, 150, 300, 600, 1200, 2400, 4800, 9600, 19K, 56K, or 64K)
S2	(0)-1	Switch 2 mode
HTYP	aaaa	Hardware Type (aaaa = DCHI, DCHX, or MSDL)
DDSL	0-n	DPNSS link number
DTSL	0-159	Digital Trunk Signaling Link number
SIGL	DA	Level 2 Signaling (DASS2)
DDCS	x...x	Loop for DPNSS Channel Switch
DTCS	0-159	Digital Trunk Channel Switch loop number
PRIV	(YES) NO	Private link
- SIDE	aaa	Side for Termination (aaa = (AET) or BNT)
- MWIF	a...a	Message Waiting Interface (a...a = (STD) or ISDM]

- SAT	(NO) YES	Satellite
- - NT2	1-(26)-100	Post retransmission acknowledgment delay.
L2_RST	(YES) NO	Indicates if Layer 2 could be reset during a system initialize.
FLOW CNTL	(NO) YES	Flow Control
- BRST PARM	xx	Burst Parameter set on public network (xx = (0) 4, 8, 16, or 32)
- - REPL PARM	x	Replenishment Parameter set on public network (x = 1, 2, 4, or 8)
CNTL	(NO) YES	Change Control timers and counters
- ALRM	aaa pp mm cc	Alarm timers (aaa = AIS, DAI, FAE, HER, LOI, TBF, or TSF; pp = persistence time; mm = monitor time; cc = repeat threshold time)
- CNTR	aaa x	Counter threshold (aaa = CRT, TMT, SCT, MPT, NMT, OTH, LDT, DTH; x = threshold value)

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
ALRM		Alarm timers. For the following response alternatives, pp = Persistence time, mm = Monitor time and cc = Repeat count threshold.	dpnss1/dass2-16
	AIS pp mm cc	Alarm Indication Signal Where: pp = 0-(1)-15 minutes, mm = 0-(1)-24 hours and cc = 0-(4)-15.	
	DAI pp mm cc	Distant Alarm Indication Where: pp = 0-(1)-15 minutes, mm = 0-(1)-24 hours and cc = 0-(5)-15.	
	FAE pp mm cc	Frame Alignment Error Where: pp = 0-(2)-15 seconds, mm = 0-(1)-24 hours and cc = 0-(4)-15.	
	HER pp mm cc	High Error Where: pp = 0-(1)-15 minutes, mm = 0-(1)-24 hours and cc = 0-(10)-15.	
	LOI pp mm cc	Loss Of Input Where: pp = (0)-15 seconds, mm = (0)-24 hours and cc = (0)-15.	
	TBF pp mm cc	Transmit Buffer Full Where: pp = 0-(5)-15 seconds, mm = (0)-24 hours and cc = 0-(1)-15.	
	TSF pp mm cc	Transmit Signaling Failure Where: pp = (0)-15 seconds, mm = (0)-24 hours and cc = (0)-15.	
BRST PARM		Burst Parameter set on public network.	dpnss1/dass2-16
	xx	You may respond with: (0), 4, 8, 16, or 32.	
CNTL	(NO)	Do not change Control timers and counters	dpnss1/dass2-16
	YES	Change Control timers and counters	

Prompt	Response	Comment	Pack/Rel
CNTR		Counter threshold	dpnss1/dass2-16
	CRT 0-(120)-255 TMT 0-(50)-255 SCT 0-(20)-255	Channel Reset Threshold Test Message Threshold Stop Count Threshold If 255 is entered, the threshold is set to infinity.	
	MPT 1-(100)-255	Monitoring Period Timer during which 'NMT' messages must be received before overload is detected.	
	NMT 512-(2048)-16384msec	Number of Messages Threshold value: the number of messages to be received by Layer 3 before overload is detected. Note that this threshold can only be exceeded after the MPT time has elapsed. ***Note***: If NMT = 255 then Overload Protection mechanism disabled, regardless of OTH/DTH.	
	OTH 1-(5)-255	Overload ThresHold: the number of times overload must be detected before any action is taken on the link. Once this threshold exceeded, the link will be temporarily disabled for LDT seconds. ***Note***: If OTH = 255 and if NMT < 255, Overload will be monitored - Link will be permanently disabled when DTH is exceeded, as long as DTH is not 255 ***Note***: If OTH < 255 & NMT < 255, Overload will be monitored, link will be disabled for LDT time, and brought back into service.	
	LDT 16-(32)-1024sec	This timer is the Link Disable Timer and defines the amount of time in seconds that must elapse before the link is brought back into service, after having been disabled due to overload.	

Prompt	Response	Comment	Pack/Rel
	DTH 1-(5)-255	Disable THreshold value: the limit of the number of times the link can be disabled. When this threshold is exceeded, the link will be permanently disabled. ***Note***: If DTH = 255 and if OTH = 255&NMT < 255, Overload Protection is disabled.	
DDCS	xxx	Loop for DPNSS Channel Switch Where xxx is: • 0-159 • 1-9, 11-19, 21-29, 31-39, 41-49 (Small System) • 11-14, 21-24, 31-34, 41-45 for CS 1000S DDCS is prompted when TYPE = DDSL.	dpnss1/dass2-16 sipe-25 basic-2
DDSL	0-n	DPNSS link number. Where: • n = 15 for NT5K35AA or NT5K75AA in standard mode (S2 = 0) • n = 159 for NT5K75AA in expanded mode (S2 = 1) DDSL: is prompted when TYPE = DDSL.	dpnss1/dass2-16
DTCS	0-159	Digital Trunk Channel Switch loop number Prompted when TYPE = DTSL. (Large System)	dass2-16
DTSL	0-159	Digital Trunk Signaling Link number. Prompted when TYPE = DTSL. (Large System)	dass2-16
FLOW CNTL	(NO) YES	Flow Control FLOW CNTL is prompted if PRIV = NO.	dpnss1/dass2-16
HTYP		Hardware Type	dpnss_es-21
	DCHI	DPNSS1, DASS2 or APNSS link configured with the NT5K35 DCHI card or on the NT5K75 DCHI card in standard mode.	
	DCHX	DPNSS1 or DASS2 link configured with the NT5K75 DCHI card in the expanded mode.	
	MSDL	DPNSS1, DASS2 or APNSS link configured with the MSDL card.	

Prompt	Response	Comment	Pack/Rel
L2_RST	(YES) NO	Indicates if Layer 2 could be reset during a system initialize. On certain systems, for example System Y and SX2000, established calls would be released if the Layer 2 is reset during an initialize. This prompt should only be set to NO when using NTAG54AA type Dual DCH Daughter board on a NTCK43AB DCH PRI card. Note: If this Option is set to NO on an NT6D11 type card, the card would be left disabled after the initialize.	ida- 23
LSSL	xx	Low Speed Signaling Link Link number identifying the D-channel to be used for APNSS.	dpnss1-18
MWIF	(STD) ISDM	Message Waiting Interface Standard message waiting interface Plessy ISDX switch with remote message notification	samm-20
NT2	1-(26)-100	Minimum post retransmission acknowledgment delay. This is the minimum period of time after the expiry of NL and NTI that the system will wait for acknowledgment before reporting a retransmission failure to level 3 in 20 ms units.	dpnss_es-21
PRIV	(YES) NO	For a Private link to another PBX For a link to the public exchange Not prompted for APNSS.	dpnss1/dass2-16
RATE	(EXT) 110 150 300 600 1200 2400 4800	Baud Rate for Low Speed Signaling Link 110 bits per second 150 bits per second 300 bits per second 600 bits per second 1200 bits per second 2400 bits per second 4800 bits per second	dpnss1/dass2-18

Prompt	Response	Comment	Pack/Rel
	9600	9600 bits per second	
	19K	19 kilobits per second	
	56K	56 kilobits per second	
	64K	64 kilobits per second	
REPL PARM		Replenishment Parameter set on public network.	dpnss1/dass2-16
	x	You may enter: 1, 2, 4, or 8.	
REQ		Request	basic-1
	CHG	Change existing data block.	
	END	Exit Overlay program	
	NEW	Create a new data block	
	OUT	Remove data block	
	PRT	Print data block	
S2		Switch 2 mode (the mode selected with the switch S2 located on the NT5K75AA DCHI card)	dpnss1/dass2-16
	(0)	NT5K35AA DCHI card or NT5K75AA DCHI card operating in standard mode	
	1	NT5K75AA DCHI card operating in expanded mode	
SAT	(NO) YES	Satellite	dpnss_es-21
SIDE	(AET)	A Side (Exchange Termination)	dpnss1/dass2-16
	BNT	B Side - PBX Termination	
SIGL	DA	Level 2 Signaling (DASS2)	dpnss1/dass2-16
TYPE		Type of data block	dpnss1/dass2-16
	DDSL	DPNSS Link (NT hardware) data block	
	DTSL	Digital Trunk Signaling Link (GPT hardware) data block. Not supported on Small System.	
	LSSL	Low Speed Signaling Link data block. Required for APNSS.	
	LSRC	Low Speed Channel data block. Accepted when REQ=PRT.	
	LSVC	Low Speed Virtual Channel data block. Accepted when REQ=PRT.	

LD 79: Virtual Network Service

Overlay program 79 allows the implementation of Virtual Network Services feature.

Prompts and responses

Prompt	Response	Comment
REQ	aaa	Request
TYPE	aaa	Type of data block
CUST	xx	Customer number
VNDN	1-4000 n...n	Number of contiguous VNS Directory Numbers
	When REQ = OUT and VNDN = XALLVNDNS., the switch outputs the following: REMOVE ALL VDN BLOCKS? The following prompt then appears:	
CONF	(NO) YES	(Deny) Confirm intent to remove all VDN blocks

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
CONF		Confirm	vns-22
	(NO)	Deny intent to remove all VDN blocks	
	YES	Confirm intent to remove all VDN blocks CONF is prompted if REQ = OUT and VNDN = XALLVNDNS.	
CUST	xx	Customer number associated with this function as defined in LD 15	basic-1
REQ		Request	basic-1
	CHG	Change existing data block	
	DIS	Disable a block of contiguous VDN to prevent the use of a VDN in this block	
	END	Exit Overlay program	
	ENL	Enable a block of contiguous VDN	
	NEW	Create Virtual Network Service data block	
	OUT	Remove Virtual Network Service data block	
	PRT	Print Virtual Network Service data block	
TYPE		Type of data block	basic-1
	VNS	Virtual Network Service data block	
VNDN	1-100 n...n	Number of contiguous VNS Directory Numbers, and first VNS DN	vns-16
	x...x	Individual VDN. This entry is accepted if REQ = NEW, OUT, DIS or ENL.	
	1-4000 xxxxxxx	Number of contiguous VDNs and first VDN. This entry is accepted if REQ = NEW.	
	XALLVDNS	Remove all VNS data blocks. This entry is accepted if REQ = OUT.	
		VNDN is reprompted until a carriage return is entered.	

LD 81: Features and Station Print

Overlay program 81 is used to print a list or count of telephones with selected features. It also allows last service change date information to be printed.

A TN which is the Multiple Appearance Redirection Prime (MARP) is indicated by an “M” following FEAT (when TYPE = MCN, SCN, MCR, or SCR).

Prompts and responses

Prompt	Response	Comment
REQ	aaa	Request (aaa = LST, CNT, or END)
CUST	xx xx	One Customer or a range of Customer numbers
DATE	a...a	Print data from activity date specified (You may enter: dd mmm yyyy or ACT)
PAGE	(NO) YES	Data printed on a per page basis
DES	d...d	1-6 alphanumeric character Office Data Administration System
FEAT	aaaa	Features requested (FEAT responses begin on page 925)
- HMDN	x..x	Home Directory Number
SGRP	0-999 0-999	Station Group
RNPG	xx yy	Ringing Number Pick Up Group
LSNO	xx yy	List Number

NCOS	xx yy	Network Class of Service
ZONE	(0)-255 (0)-255 (0)-255 <CR>	MG 1000B Zone Range of Zones All Zones
- ADJUST PAPER THEN <CR>		
	<CR>	Starts printing
NACT	(NO) YES	Next Activity

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
ADJUST PAPER THEN <CR>			basic-1
	<CR>	Starts printing Prompted when PAGE = YES	
CUST	xx xx	One Customer or a range of Customer numbers associated with this function as defined in LD 15	basic-1
	<CR>	All Customers	
DATE	dd mmm yyyy	Print data from activity date specified. Where: • dd = day (0-31) • mmm = month (JAN-DEC) • yyyy = year	basic-1
	ACT	Print data from last Activity date.	
	<CR>	Disregard date restrictions.	
DES	d...d	1-6 alphanumeric character Office Data Administration System (ODAS) Station Designator	odas-1
	dddd	Print data for stations with specific DES.	
	d+	Print data for stations with a DES starting with d.	
	+	Print data for all stations with no DES.	
	<CR>	Print data for all stations.	
FEAT		Features requested Enter a specific feature mnemonic or one the following for groups of features: ALL, COS, DNK, SETS, SCL, RNP or 500. FEAT is repeated until <CR> is entered.	basic-1
	2000	All M2000 telephones	dset-7
	3000	M3000 Touchphone	tset-7
	4020	M4020 telephone (no longer supported)	basic-8
	500	500/2500 type telephone	basic-1
	3900	M3901, M3902, M3903, M3904, M3905 Print both MNL and DIP telephones. 2500 type telephones are requested by DTN entry.	basic-24

Prompt	Response	Comment	Pack/Rel
	AAA AAD	Automatic Answerback Allowed Automatic Answerback Denied	aab-1
	AAG	Answer call from Agent key	
	AAK	Automatic Answerback Key	aab-1
	ABDA ABDD	Abandoned call record and time to answer Allowed Abandoned call record and time to answer Denied	supp-18
	ACD	ACD in calls key	bacd-1
	ACNT	Assignment of activity codes allowed	bacd-13
	ADD	Automatic Digit Display equipped	ddsp-1
	ADL	Autodial key	optf-1
	AGN AGT	ACD Agent ACD Agent's key	bacd-1
	AGTA AGTD	ACD services for 500/2500 telephone Allowed ACD services for 500/2500 telephone Denied	bacd-16
	AHA AHD	Automatic Hold Allowed Automatic Hold Denied	supp-10
	ALL	All features When REQ = LST, only the features actually programmed on telephones are listed along with the associated TN. Features not listed are RNPK, DIP and MNL. When REQ = CNT, features available in the system software are listed even if they are not programmed on any telephone. Not listed are RNPK, 500, 2500, SL-1, 2000, and 3000.	basic-1
	AMG	ACD Answer/Monitor Emergency call key	supp-14
	AO3 AO6 ARC	Three-party conference key Six-party conference key Attendant Recall key	basic-1 basic-1

Prompt	Response	Comment	Pack/Rel
	ARHA ARHD	Audible Reminder of Held Call Allowed Audible Reminder of Held Call Denied	basic-14
	ASCA ASCD	Alarm Security Allowed Alarm Security Denied	ohas-18
	ASP ATW	ACD Answer Supervisor call key ACD Call Waiting time indication key	iani-14
	AUTD AUTR AUTU	Authorization Code Denied Authorization Code Restricted Authorization Code Unrestricted	ssau-19
	AWC	ACD Calls Waiting display key	
	BFEA BFED	Boss Secretary Filtering Enhancement Allowed Boss Secretary Filtering Enhancement Denied	ffcsf-24
	BFS	Busy Forward Status key	bfs-20
	BNRA BNRD	Busy Number Redial Allowed Busy Number Redial Denied	ffc-21
	BRCA BRCD	Recall to boss Allowed Recall to boss Denied	ffcsf-24
	C6A C6D	Six-Party Conference Allowed Six-Party Conference Denied	basic-10
	CA	Combined No Hold Conference and Autodial	basic-14
	CAS	Centralized Attendant Service	casm-1
	CCBA CCBD	Collect Call Blocking Allowed Collect Call Blocking Denied	ccb-21
	CCOS CCSA CCSD	Controlled Class of Service key Controlled Class of Service Allowed Controlled Class of Service Denied	ccos-7
	CDCA CDCD	Conferee Display Count Allowed Conferee Display Count Denied	basic-23
	CDMA CDMD	Station Activity Records Allowed Station Activity Records Denied	mct-20

Prompt	Response	Comment	Pack/Rel
	CDMR CDMO CDMV	Converged Desktop Multimedia restricted Converged Desktop Multimedia only Converged Desktop Multimedia and voice	sip-4.0
	CFHA CFHD	List/count sets with CFHA CLS List/count sets with CFHD CLS	cfho-20
	CFTA CFTD	Call Forward by Call Type Allowed Call Forward by Call Type Denied	basic-10
	CFW	Call Forward key	basic-1
	CFXA CFXD	Call Forward number to External DN Allowed Call Forward number to External DN Denied	basic-10
	CHD	Combined No Hold Conference and Direct Hot Line	basic-14
	CHG	Charge Account key	fca-1
	CHL	Combined No Hold Conference and Hot Line list	basic-14
	CLT	Callers List key	basic-25.4
	CLTA CLTD	Network Call Trace Allowed Network Call Trace Denied	basic-17
	CMSA	Command and Status link Allowed	csl-8
	CNAA	CLASS Calling Name Multiple Data Format Allowed.	cname- 23
	CNAD	CLASS Calling Name Denied.	cname- 23
	CNDA CNDD	Call Party Name Display Allowed Call Party Name Display Denied	cpnd-10
	CNIA CNID	Call Number Identification Allowed Call Number Identification Denied	pra-12
	CNTA CNTD	Network ACD Countdown Allowed Network ACD Countdown Denied	nacd-15
	CNUA	CLASS Calling Number Multiple Data Format Allowed.	cnumb- 23

Prompt	Response	Comment	Pack/Rel
	CNUD CNUS	CLASS Calling Number Denied. CLASS Calling Number Single Data Format Allowed.	cnumb- 23 cnumb- 23
	COS	Print stations with Class of Service restrictions. These are telephones with equipped with C6A, C6D, CMSA, CNDA, CNDD, CTD, CUN, DSI, FRE, FR1, FR2, NCOS, SFA, SFD, SRE, TLD, TTA, TTD, UNR and VMA.	basic-1
	CPFA CPFD	Forced Camp-On from another set Allowed Forced Camp-On from another set Denied	povr-15
	CPN	Display Calling Party Number key	cpnd-10
	CPTA CPTD	Forced Camp-On to another set Allowed Forced Camp-On to another set Denied	ffc-15
	CRA CRD	Continuous Ring Allowed Continuous Ring Denied	basic-14
	CS	Combined No Hold Conference and Speed Call	
	CSD	Conferee Selectable Display key	basic- 23
	CTD CUN	Conditionally Toll Denied Conditionally Unrestricted	basic-1
	CWA CWD CWT	Call Waiting Allowed Call Waiting Denied Call Waiting key	basic-1
	DAG	ACD Display Agents key	bacd-1
	DAPA DAPD	Display of Access Prefix Allowed Display of Access Prefix Denied	isdn-24
	DCFW	Default call forward for Phantom TNs Report includes Virtual and Host terminals	phtn-20 arie-25
	DDGA DDGD	DN Display on other set Allowed DN Display on other set Denied	sdd-21
	DDS	Digit Display allowed	ddsp-1

Prompt	Response	Comment	Pack/Rel
	DELA DELD	Dealer Allowed Dealer Denied	ohol-20
	DIG	Dial Intercom Group	di-1
	DIP	Dial Pulse telephone (500 type)	basic-1
	DLO	Digital Long line COS	ftc-16
	DNAA DNAD	ANI DN used as the customer Listed Directory number Outgoing CDTI2/CSDTI2 route used as DN in ANI message	cist-21
	DNDA DNDD	Dialed Name Display Allowed Dialed Name Display Denied	cpnd-13
	DNK	Telephones with MCN, MCR, SCN, and SCR keys	basic-1
	DPU	DN Pickup key	grp-1
	DPUA DPUD	DN Pickup Allowed DN Pickup Denied	dcp-12
	DRC	DID Route Control	basic-14
	DRDA DRDD	Distinctive Ringing by Directory Number Allowed. Distinctive Ringing by Directory Number Denied.	edrg-24
	DRG1 DRG2 DRG3 DRG4	Digital telephone Distinctive Ringing (high/fast) Digital telephone Distinctive Ringing (high/slow) Digital telephone Distinctive Ringing (low/fast) Digital telephone Distinctive Ringing (low/slow)	drng-7
	DSH	Digital Short line COS	ftc-16
	DSI	Data Service access or IS Server TN allowed	xcti-16
	DSP	Digit Display key	ddsp-1
	DTA	Data set	basic-5
	DTN	Digitone dial telephone (2500 type)	basic-1

Prompt	Response	Comment	Pack/Rel
	DWC	ACD Display Waiting Calls key	bacd-1
	ELA ELD	Erase Lists Allowed Erase Lists Denied	basic-25.4
	EOVR	Enhanced Override key	povr-15
	FAXS	Facsimile servers	faxs-18
	FBA FBD	Call Forward Busy Allowed Call Forward Busy Denied	optf-1
	FEDA FEDD	Far End Disconnect Allowed for Digital Cordless Set. Far End Disconnect Denied for Digital Cordless Set.	mc32-25
	FITA FITD	Flexible Incoming Tones Allowed Flexible Incoming Tones Denied	basic-14
	FLXA FLXD	Flexible voice/data TN allowed Flexible voice/data TN denied	digital_set-22
	FNA FND	Call Forward No Answer Allowed Call Forward No Answer Denied	basic-1
	FR1 FR2 FRE	Fully Restricted class 1 Fully Restricted class 2 Fully Restricted	basic-1
	FRN	French language display for M2317	dlt2-12
	FTTC FTTR FTTU	Flexible Trunk to Trunk Connections Conditional Flexible Trunk to Trunk Connections Restricted Flexible Trunk to Trunk Connections Unrestricted	basic-23 basic-23 basic-23
	GHD	Group Hunt Denied key	grp-1
	GPU	Group Call Pickup key	dcp-12
	GPUA GPUD	Group call Pickup Allowed Group call Pickup Denied	dcp-12
	GRC	Group Recall key	grp-1

Prompt	Response	Comment	Pack/Rel
	HBTA HBTD	Hunt by call Type Allowed Hunt by call Type Denied	supp-10
	HFA HFD	Handsfree Allowed M2616 Handsfree Denied M2616	arie-14
	HLD	LOGIVOX Telephone Hold key	supp-10
	HOTD HOTL	Enhanced Hot Line, Direct entry method Enhanced Hot Line, List entry method	hot-10
	HPR	High Priority station	basic-1
	HSPA HSPD	Hospitality Management Allowed Hospitality Management Denied	hosp-16
	HSTA HSTD	Host Terminal Allowed Host Terminal Denied	arie-25
	HTA HTD	Hunting Allowed Hunting Denied	basic-1
	HTL	Hot Line	hot-10
	I2004	IP Phone 2004	basic-25
	IAMA	ICP Answering Machine Denied/Allowed	icp-16
	ICDA ICDD	Internal CDR Allowed Internal CDR Denied	icdr-10
	ICF	Internal Call Forward key	icf-19
	IMA	IMS or IVMS Allowed	ims-2
	IMM	Immediate	xct1-16
	IPNA	Intercept Position Allowed	icp-14
	IRA IRD	Incoming Ringing line preference Allowed Incoming Ringing line preference Denied	1sel-4
	IRGA	Interrogation Set Allowed	icp-14
	ISET	All IP telephones	basic-3.0

Prompt	Response	Comment	Pack/Rel
	ITGE	Incoming Trunk Group Exclusion	baut-10
	KLS	Key/lamp Strip	basic-1
	LDN	Listed Directory Number (DN)	dldn-12
	LDTA LDTD	Line Disconnect Tone allowed Line Disconnect Tone denied	basic-17
	LED	LED state for ACD agents	supp-10
	LLC1 LLC2 LLC3 LLCA LLCN LMPN LMPX	Line Load Control level 1 Line Load Control level 2 Line Load Control level 3 Line Load Control Allowed Line Load Control off Red LED on Meridian Modular Telephone reflects the status of the mailbox associated with the PDN Red LED on Meridian Modular Telephone reflects the status of the mailbox associated with the PDN and non-PDNs	11c-10 vmba-24
	LNA LND LNK	Last Number Redial Allowed Last Number Redial Denied Last Number Redial Key	1nr-8
	LOL	Long Line Class of Service	xops-20
	LPA LPD	Message Waiting lamp Allowed Message Waiting lamp Denied	mwc-1 mwc-1
	LPR	Low Priority station	basic-1
	LSPK	Loudspeaker key	ohol-20
	LVXA LVXD	LOGIVOX Telephone Allowed LOGIVOX Telephone Denied	supp-10
	MBXD MBXA	Multi-Party Operation (MPO) Blind Transfer Denied. Multi-Party Operation (MPO) Blind Transfer Allowed. Multi-Party Operations (MPO) package 141 must be equipped to enter MBXD or MBXA.	mpo-21

Prompt	Response	Comment	Pack/Rel
	MCBY MCBN	Set linked to a MICB line card. Set linked to a non-MICB line card.	basic-25
	MCD MCK MCN	Message Center DN Message Cancellation Key Multiple Call Non-Ringing DN A TN which is the Multiple Appearance Redirection Prime (MARP) for the DN is indicated by an “M” in the output (MCN M).	mwc-1 basic-1
	MCR	Multiple Call Ringing DN A TN which is the Multiple Appearance Redirection Prime (MARP) for the DN is indicated by an “M” in the output (MCN M).	basic-1
	MCRA MCRD	Multiple Call Arrangement Allowed Multiple Call Arrangement Denied	supp-15
	MCTA MCTD	Malicious Call Trace Allowed Malicious Call Trace Denied	mct-10 mct-19
	MIK	Message Indication Key	mwc-1
	MINA MIND	Message Intercept Allowed Message Intercept Denied	mint-15
	MISA MISD	Make Set Busy Improvement Allowed Make Set Busy Improvement Denied	msb-24 msb-24
	MLNG	Language Selection	basic-25.4
	MMA MMD	Multimedia Allowed Multimedia Denied	ngen-24 ngen-24
	MNL	Manual service	basic-1
	MMA MMD	Multimedia Messaging Allowed Multimedia Messaging Denied	
	MON	TN(s) Monitored by at least one BFS key	bfs-20
	MRA MRD	Message Registration Allowed Message Registration Denied	mr-10

Prompt	Response	Comment	Pack/Rel
	MSB	Make Set Busy key	msb-1
	MSID MSIA	Make Set Busy Improvement Denied Make Set Busy Improvement Allowed	msb-24
	MTA	Maintenance set Allowed	basic-1
	MWA MWD MWK	Message Waiting Allowed Message Waiting Denied Message Waiting key	mwc-1
	NAMA NAMD	Name display on other set Allowed Name display on other set Denied	sdd-21
	NCOS	Network Class of Service (COS)	ncos-1
	NDD	No Digit Display	ddsp-1
	NHC	No Hold Conference	basic-14
	NIA NID	Incoming non-ringing line preference Allowed Incoming non-ringing line preference Denied	1se1-4 1se1-4
	NKL	Notification Key Lamps	drng-7
	NRCA NRCD	Forced Camp-On night class restriction Allowed Forced Campon night class restriction Denied	supp-16
	NRD	ACD Not Ready key	bacd-1
	NROA NROD	Priority override night class restriction Allowed Priority override night class restriction Denied	supp-16
	NRWA NRWD	Call Waiting Night class restriction Allowed Call Waiting Night class restriction Denied	supp-16
	NSVC	ACD Night Service key for Supervisor Control	bacd-12
	OBV	ACD Observe agent key	
	OCBA OCBD	Outgoing Call Barring Allowed Outgoing Call Barring Denied	ccb-21
	OLA	Outgoing Line preference Allowed	1se1-4

Prompt	Response	Comment	Pack/Rel
	OLD	Outgoing Line preference Denied	
	ONS OPS OSN	On Premise Station Off Premise Station On Site Notification key. OSN is accepted as valid input only if the system is ESA and ESA_SUPP package equipped.	xops-20 xops-20 esa- 23
	OVB	Attendant Overflow position	aop-1
	OVDA OVDD	Override Allowed (500/2500 telephone) Override Denied (500/2500 telephone)	ffc-15
	OVR	Override key	basic-1
	PDN	Prime Directory Number release 22.	pra-12
	PEPE	Prints all TNs and cards configured on IPE/EPE shelves.	basic-3.0
	(PGND) PGNA	Deny PAGENET access Allow PAGENET access	pagenet-22
	PHD	Permanent Hold	basic-4
	POA POD	Optional Privacy Allowed Optional Privacy Denied	basic-1
	PRK	Park key	cprk-2
	PRS	Privacy Release key	basic-1
	PRSA PRSD	Priority Call Pickup Allowed Priority Call Pickup Denied	supp-15
	PUA PUD	Call Pickup Allowed Call Pickup Denied	grp-1
	PVN PVR	Private Line Non-ringing phantom DN Private Line Ringing phantom DN	basic-1
	RAG RBDA RBDD	ACD Call Agent key Redirection By Day Allowed Redirection By Day Denied	 basic-24

Prompt	Response	Comment	Pack/Rel
	RBHA RBHD	Redirection By Holiday Allowed Redirection By Holiday Denied	basic-24
	RCC	Restricted from Receiving Collect Calls	supp-10
	RCK	Ringing Change Key	rck-15
	RDI	Restricted from receiving DID calls	supp-10
	RDL	Stored Number Redial	basic-14
	RDLA RDLD	Automatic Redial call Allowed Automatic Redial call Denied	ardl-22
	RGA	Ring Again key	optf-1
	RLFA RLFD	Reversed Lamp Flash Allowed Reversed Lamp Flash Denied	supp-10
	RLS	Release key	basic-1
	RLT	Redial List key	basic- 25.4
	RMMA RMMD RMMO RMWK	Remote Monitoring of Messages Allowed Remote Monitoring of Messages Denied Allow Remote Monitoring of Messages and to Override, if it is being already monitored Remote Message Waiting indication key	vmba-24 vmba-24
	RNP	Ringing Number Pickup (includes PUA, PUD and RNPK)	grp-1
	RNPK	Ringing Number Pickup key	grp-1
	RPA	Radio Paging Allowed	rpa-15
	RTDA RTDD	Call Redirection by Time of day allowed Call Redirection by Time of day denied	basic-22
	SAR	Scheduled Access Restriction	sar-20
	SCC	Speed Call Controller	optf-1
	SCI	Station Category Indication Priority Level	sci-7

Prompt	Response	Comment	Pack/Rel
	SCL	Speed Call (includes SCU and SCC)	optf-1
	SCN	Single Call Non-ringing DN A TN which is the Multiple Appearance Redirection Prime (MARP) for the DN is indicated by an “M” in the output (MCN M).	basic-1
	SCR	Single Call Ringing DN A TN which is the Multiple Appearance Redirection Prime (MARP) for the DN is indicated by an “M” in the output (MCN M).	basic-1
	SCU	Speed Call User	optf-1
	SETS	All telephones	basic-1
	SFA SFD	Second level Forwarding Allowed Second level Forwarding Denied	optf-10
	SHL	Short Line Class of Service	xops-20
	SIG	Buzz key to phantom DN	basic-1
	SL1	SL-1 stations	basic-1
	SMSA SMSD	Standalone Mail Server Allowed Standalone Mail Server Denied	samm-20
	SMWD SMWA	Extended message waiting indication denied. Extended message waiting indication allowed.	mw-24
	SNR	Stored Number Redial	ffc-15
	SPKA SPKD	Speaker Class of Service Allowed Speaker Class of Service Denied	ohol-20
	SPV	ACD Supervisor	acdb-1
	SRE	Semi-Restricted	basic-1
	SSC SSU	System Speed Call Controller System Speed Call User	optf-1
	SWA	Station-to-Station Call Waiting Allowed	basic-8

Prompt	Response	Comment	Pack/Rel
	SWD	Station-to-Station Call Waiting Denied	
	TAD	Time And Date key	ddsp-1
	TDD	Touchphone Display	tset-7
	THF THFA THFD	Centrex Trunk Switchhook Flash Centrex Trunk Switchhook Flash Allowed (500/2500 telephones) Centrex Trunk Switchhook Flash Denied (500/2500 telephones)	thf-14
	TLD	Toll Denied	basic-1
	TRC	Malicious Call Trace key	mct-10
	TRN	Call Transfer key	basic-1
	TSA	Three-Party Service Allowed	mpo-21
	TVA TVD	Trunk Verification Allowed Trunk Verification Denied	basic-1 basic-1
	UCC UDI	Unrestricted from Receiving Collect Calls Unrestricted from receiving DID calls	supp-10
	ULAA ULAD	User Level Access Allowed for set based administration User Level Access Denied for set based administration	adminset-21
	UNR	Unrestricted	basic-1
	USR USRA USRD	User Selectable Call Redirection key User Selectable Call Redirection allowed User Selectable Call Redirection denied	uscr-19
	UST	Telephone Status feature	iap3p-13
	VCC	Voice Call to phantom DN	basic-1
	VCE	Voice set	basic-5
	VDN	LOGIVOX telephone Volume Down	supp-10

Prompt	Response	Comment	Pack/Rel
	VMA	Server Voice Messaging Allowed	csl-8
	VOLA VOLD	Virtual Office login operation is allowed on this TN Virtual Office login operation is denied on this TN For CS 1000S	 basic-2
	VOUA VOUD	Allow other user to virtually login onto this TN Deny other user to virtually login onto this TN For CS 1000S	 basic-2
	VSIT	DECT visitors	msmn-25
	VUP WTA WTD	LOGIVOX telephone Volume Up Warning Tone Allowed Warning Tone Denied	supp-10 basic-1
	WUK	Guest entry of Automatic Wake Up key	gewu-16
	XFA XFD	Call Transfer Allowed Call Transfer Denied	basic-1
	XHA XHD	Exclusive Hold Allowed Exclusive Hold Denied	dhld-4
	XMWD XMWI	Extended Message Waiting indication Denied Extended Message Waiting indication Allowed	vmba-24
	XMWK	Extended Message Waiting indication key	vmba-24
	XRA XRD	Ring Again Allowed Ring Again Denied	optf-1
	ZONE	MG 1000B zone(s) For CS 1000S	 basic-2
HMDN	x..x	Home Directory Number	msmn-25

Prompt	Response	Comment	Pack/Rel
MLNG	a...a	To print telephones with a language selection matching the language in the response to the MLNG prompt. Where: a...a = ENG, FRE, GER, DUT, SPA, ITA, NOR, SWE, DAN, POR, FIN, POL, CZE, HUN, JAP, RUS, LAT, TUR.	basic-25.4
LSNO	0-8190 0-8190	List Number. One Speed Call List Number or a range of list numbers	basic-1
	<CR>	Print all lists. LSNO is prompted when FEAT is SCL, SCU, SCC, SSC, SSU or CS.	
NACT	(NO) YES END	Next Activity Return to REQ prompt Reset the ACT date to the current system date, print the new ACT value and exit the Overlay. Exit Overlay program	odas-1
NCOS		Network Class of Service. NCOS is prompted when FEAT = COS or NCOS.	basic-1
	0-3 0-3	One NCOS group number or a range of group numbers when CDP equipped	
	0-7 0-7	One NCOS group number or a range of group numbers when BARS or NFCR equipped	
	0-15 0-15	One NCOS group number or a range of group numbers when NARS equipped	
	0-99 0-99	One NCOS group number, or a range of group numbers for all features	
PAGE	(NO) YES	Data printed on a per page basis	basic-1

Prompt	Response	Comment	Pack/Rel
REQ		Request	basic-1
	CNT	Print a count of telephones equipped with the features specified in response to the FEAT prompt.	
	END	Exit Overlay program.	
	LST	List telephones equipped with the features specified in response to the FEAT prompt.	
RNPG		Ringing Number Pickup Group.	basic-1
	0-255 0-255	One Ringing Number Pickup Group number or a range of group numbers	
	0-4095 0-4095	Ringing Number Pickup Group:	
	<CR>	Print all groups.	
		RPNG is prompted when FEAT = RNP, RNPK, PUA, PUD, DPU, DPUA, DPUD, GPU, GPUA or GPUD.	
SGRP		Station Group	sar-20
	0-999 0-999	One station group number or a range of station group numbers.	
ZONE		Print Zone	
	<CR>	All zones, sorted by TN.	
	(0)-255	Specified zone.	
	(0)-255 (0)-255	Range of zones, sorted by zone.	

LD 82: Print Hunt Chain, Multiple Appearance Group

Overlay program 82 allows the printing of hunting patterns and Multiple Appearance groups for system stations.

Refer to the *Office Data Administration System: Description and Engineering* (553-3001-352) for detailed information regarding printouts for multiple appearance DNs, single appearance DNs appearing on telephones with multiple appearance DN, and hunting patterns.

A TN which is the Multiple Appearance Redirection Prime (MARP) is indicated by an "M" preceding the TN in the output.

Prompts and responses

Prompt	Response	Comment
REQ	aaa	Request (aaa = EHT, END, HNT, MAG, MAP)
CUST	xx xx	Customer number or range of customer numbers
DATE	a...a	Print data from activity date specified or last activity date (You may enter: dd mmm yyyy or ACT)
PAGE	(NO) YES	Data printed on a per-page basis
DES	a...a	Print all telephones with DES "dddddd"
DN	xxxx	Print specific DN
- ADJUST PAPER THEN <CR>		
	<CR>	Starts printing
NACT	(NO) YES	Next Activity

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
ADJUST PAPER THEN <CR>			basic-1
	<CR>	Starts printing. Prompted when PAGE = YES	
CUST	xx xx	Customer number or range of customer numbers	basic-1
	<CR>	Print data for all customers.	
DATE	dd mmm yyyy	Print data from activity date specified. Where: • dd = day (0-31) • mmm = month (JAN-DEC) • yyyy = year	basic-1
	ACT	Print data from last activity date.	
	<CR>	Disregard date restrictions.	
DES	dddddd	Print all telephones with DES “dddddd”	odas-1
	d+	Print all telephones with DES “d”	
	+	Print all telephones with no DES assignment	
	<CR>	Disregard DES	
DN	xxxx	Print specific DN	basic-1
	xxxx xxxx	Print range of DNs	
	ALL	Print data when REQ = MAG or MAP	
	<CR>	Print data for all DNs DN may be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150.	
NACT		Next Activity	odas-1
	(NO)	Return to REQ prompt	
	YES	Reset the ACT date to the current system date, print the new ACT value and exit the Overlay.	
	END	Exit Overlay program	
PAGE	(NO) YES	Data printed on a per-page basis	basic-1
REQ		Request	basic-1
	EHT	External Hunting pattern (except regular and short hunting)	
	END	Exit Overlay program	
	HNT	Hunting pattern (except short hunting and EHT)	

Prompt	Response	Comment	Pack/Rel
	MAG	Multiple Appearance Groups Print Multiple Appearance Groups including all Single Appearance DNs assigned on telephones having Multiple Call Assignments.	
	MAP	Multiple Appearance Print Multiple Appearance DN and associated TNs. The hunt pattern displayed shows only the first TN in a MADN hunt group.	

LD 83: Terminal Number Sort and Print

Overlay program 83 allows the printing of a list of TNs and of TN blocks in Designation (DES) order.

"MARP" is output after the DN when printing the TN block (NOT when using the LST command) if the TN is the Multiple Appearance Redirection Prime.

Prompts and responses

Prompt	Response	Comment
REQ	aaa	Request (aaa = END, LST, TNB)
CUST	xx xx	Customer number or range of customer numbers
CSDN	x...x	Print the Converged Service Directory Number
DATE	a...a	Print data from activity date specified or last activity date (You may enter: dd mmm yyyy or ACT)
PAGE	(NO) YES	Data printed on a per-page basis
- ADJUST PAPER THEN <CR>		
	<CR>	Starts printing
NACT	(NO) YES	Next Activity

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
ADJUST PAPER THEN <CR>			odas-1
	<CR>	Starts printing	
CUST	xx xx	Customer number or range of customer numbers	odas-1
	<CR>	Print data date for all customers	
CSDN	x...x	Print the Converged Service Directory Number	sip-4.0
DATE	dd mmm yyyy	Print data from activity date specified. Where: • dd = day (0-31) • mmm = month (JAN-DEC) • yyyy = year	odas-1
	ACT	Print data from last activity date	
	<CR>	Disregard date restrictions	
NACT		Next Activity	odas-1
	(NO)	Return to REQ prompt	
	YES	Reset the ACT date to the current system date, print the new ACT value and exit the Overlay.	
	END	Exit Overlay program	
PAGE	(NO) YES	Data printed on a per-page basis	odas-1
REQ		Request	odas-1
	END	Exit Overlay program	
	LST	Print List of TNs in designator order	
	TNB	Print list of TN blocks in designator order	

LD 84, 85: Set Designation Entry (ODAS)

Overlay program 84 allows the addition of line designators to existing single line (500/2500) sets.

Overlay program 85 allows the addition of line designators to existing multi-line (SL-1, M2000, etc.) sets.

If currently active on a call, the station will be disconnected after the last <CR>.

Prompts and responses

Prompt	Response	Comment
TN	l s c u	Terminal Number
DES	d...d	1-6 character alphanumeric designator

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
DES	d...d	1-6 character alphanumeric Office Data Administration System (ODAS) Station Designator.	odas-1
TN	l s c u c u END	Terminal Number Small System Exit Overlay program	basic-1

LD 86: Electronic Switched Network 1

Overlay program 86 allows data defining the NARS/BARS/CDP features to be created, modified, and printed.

Prompts and responses

Contents

FEAT = DGT (Digit Manipulation)

Prompt	Response	Comment
REQ	a...a	Request (a...a = CHG, END, LCHG, NEW, OUT, or PRT)
CUST	xx	Customer number associated with this function
FEAT	DGT	Feature = DGT (Digit manipulation)
DMI	(0)-999	Digit Manipulation Index numbers
DEL	(0)-19	Number of leading digits to be Deleted
ISPN		Special IP Number
	(YES)	For off-net calls
	NO	For on-net calls
INST	x...x	Insert
CTYP	a...a	Call type to be used by the call. This call type must be recognized by the NRS and far-end switch. This is critical for correct CLID behavior. If ISPN=NO, the CLID is based on this field. Is ISPN=YES, the CLID is based on the call type before digit manipulation.

FEAT = ESN (Electronic Switched Network)

Prompt	Response	Comment
REQ	a....a	Request (a...a = CHG, END, LCHG, NEW, OUT, or PRT)
CUST	xx	Customer number associated with this function
FEAT	ESN	Feature = ESN (Electronic switched network)
MXLC	0-999 0-16000	Maximum number of Location Codes (NARS only) Maximum number of Location Codes (with the ESN Location Code Expansion feature and the FNP feature enabled)
MXSD	xxx	Maximum number of Supplemental Digit restriction blocks
MXIX	xxx	Maximum number of Incoming Trunk Group exclusion tables
MXDM	0-256	Maximum number of Digit Manipulation tables
MXRL	xxx	Maximum number of Route Lists
MXFC	0-256	Maximum number of Free Calling area screening tables

MXFS	0-255	Maximum number of Free Special number screening tables
CDP	(YES) NO	Coordinated Dialing Plan feature for this customer
- MXSC	0-5000	Maximum number of Steering Codes
- NCDP	3-7	Number of digits in CDP DN (DSC + DN or LSC + DN)
MSCC	0-7	Maximum number of Special Common Carrier entries
AC1	xx	One or two digit NARS/BARS Access Code 1
AC2	xx	One or two digit NARS Access Code 2
DLTN	(YES) NO	NARS/BARS Dial Tone after dialing AC1 or AC2 access codes
ERWT	(YES) NO	Expensive Route Warning Tone
- ERDT	0-(6)-10	Expensive Route Delay Time
TODS	aa-aa	Time of Day Schedules
RTCL	(DIS) YES	Routing Controls
NMAP	xx yy	NCOS Map
ETOD	1-7	Extended Time of Day schedule
TGAR	(NO) YES	Check for Trunk Group Access Restrictions

FEAT = ITGE (Incoming Trunk Exclusion)

Prompt	Response	Comment
REQ	a...a	Request (a...a = CHG, END, LCHG, NEW, OUT, or PRT)
CUST	xx	Customer number associated with this function
FEAT	ITGE	Feature = ITGE (Incoming Trunk Exclusion)
ITEI	1-127	Incoming Trunk group Exclusion Index number
RTNO	0-127	Route Number associated with index

FEAT = NAS (Network Attendant Service)

Prompt	Response	Comment
REQ	a...a	Request (a...a = CHG, END, LCHG, NEW, OUT, or PRT)
CUST	xx	Customer number associated with this function
FEAT	NAS	Feature = NAS (Network Attendant Service)
TBL	(0)-63	NAS routing Table 0 is the customer routing table
ALT	1-7	Attendant Alternative number
ID	x...x	Digits (up to 16) dialed to reach a remote attendant
TODS	1-31	Schedule period to be changed
- PER	hh mm hh mm	The start and stop times for the schedule period
- DAYS	1-7	Days assigned to the currently defined schedule period.
ALST	1-7	Alternatives List
DBK	(N) Y	Drop Back busy option
QUE	(N) Y	Queuing to a route

FEAT = RLB (Route List)

Prompt	Response	Comment
REQ	a...a	Request (a...a = CHG, END, LCHG, NEW, OUT, or PRT)
CUST	xx	Customer number associated with this function
FEAT	RLB	Feature = RLB (Route list)
RLI	xxx	Route List Index to be accessed
ENTR	xxx	Entry number for NARS/BARS Route list
LTER	(NO) YES	Local Termination entry
ROUT	0-511	Route number
SCNV	(NO) YES	Skip Conventional signaling
TDET	(NO) YES	Tone Detector used
- TYPE	aaa	Type of tone detector application (aaa = TIE, CC1, or CC2)
- TONE	a...a	Tone type expected from SCC (a...a = DIAL or SCC)
TOD	0-7	Time of Day schedule
VNS	(NO) YES	Entry is a VNS route
- VDCH	1-15	VNS D-channel number
- VDMI	xxx	VNS Digit Manipulation Index
- VTRK	1-(20)-254	VNS Trunks
CNV	(NO) YES	Conversion to LDN
EXP	(NO) YES	Expensive route
FRL	(0)-7	Facility Restriction Level
DMI	(0)-999	Digit Manipulation Index
ISDM	(0)-255	ISL D-channel Down Digit Manipulation index
FCI	(0)-255	Free Calling Area Screening Index number
FSNI	(0)-1-255	Free Special Number Screening Index
BNE	(NO) YES	Business Network Extension Route
SBOC	aaa	Step Back on Congestion (aaa = (NRR), RRO, or ROA)
- COPT	(1) 2	QSIG Alternate Routing is supported for (1), 2
IDBB	aaa	ISDN Drop Back Busy (aaa = (DBD), DBA, or DBI)
IOHQ	(NO) YES	ISDN Off-Hook Queuing option
OHQ	(NO) YES	Off-Hook Queuing allowed
CBQ	(NO) YES	Call Back Queuing
ISET	(0)-8	Initial Set
NALT	1-(5)-10	Number of alternate routing attempts
MFRL	aaa	Set Minimum Facility Restriction Level (aaa = (MIN) or 0-7)
OVLL	(0)-24	Overlap Length

FEAT = SCC (Special Common Carrier)

Prompt	Response	Comment
REQ	a...a	Request (a...a = CHG, END, LCHG, NEW, OUT, or PRT)
CUST	xx	Customer number associated with this function
FEAT	SCC	Feature = SCC (Special Common Carrier)
MXLC	0-999	Maximum number of LOC codes (NARS only)
	0-16 000	Maximum number of LOC codes (with the ESN Location Code Expansion feature and the FNP feature enabled)
SCCI	(0)-7	Special Common Carrier Index
LDN2	(0)-10	Number of digits in SCC type 2 LDN
RBTD	(0)-30	Ringback Tone Delay time

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
AC1	xx xxxx	One or two digit NARS/BARS Access Code 1 One to four digit Flexible Numbering Plan Access Code 1 The access code cannot conflict with the numbering plan.	b/nars-1
AC2	xx xxxx	One or two digit NARS Access Code 2 One to four digit Flexible Numbering Plan Access Code 2 The access code cannot conflict with the numbering plan.	nars-1
ALST	1-7	Attendant Alternatives List (up to 4 for each schedule period) If no attendants are placed on the list, local attendant service is given. Precede with X to remove an alternative attendant. The order of the input determines which entry in the alternative list is being changed. For example, to change the third alternative, both the first and second alternatives must be entered.	nas-15
ALT	1-7 X1-X7 <CR>	Attendant Alternative number Clear the alternative number (zero ID store); allowed only if there is no schedule period associated with it. Stop ALT prompt, go to TODS prompt.	nas-15
BNE	(NO) YES	Business Network Express/Name Display, Private CLID and COLP allowed/denied. ***Note:*** BNE is output only if the route of the RLI entry is EuroISDN.	bne-25
CBQ	(NO) YES	Call-Back Queuing not allowed Call-Back Queuing allowed This prompt should not be used with NARS DPNSS1. CBQ is not prompted if LTER = YES.	fcbq-1
CDP	(YES) NO	Coordinated Dialing Plan feature for this customer	cdp-1
CNV	(NO) YES	Conversion to LDN required (NARS). Not prompted if route is TKTP = ADM or LTER = YES	nars-1

Prompt	Response	Comment	Pack/Rel
COPT	(1)	QSIG Alternate Routing is supported for the following causes: — cause 34 “No channel / circuit available” — cause 38 “Network out of order” — cause 42 “Congestion”	
	2	QSIG Alternate Routing is supported for the following causes: — cause 3 “No route to destination” — cause 27 “Destination is out of service” — cause 34 “No channel / circuit available” — cause 38 “Network out of order” — cause 41 “Temporary failure” — cause 42 “Congestion”	
CTYP		Call type to be used by the call. This call type must be recognized by the NRS and far-end switch. This is critical for correct CLID behavior. If ISPN=NO, the CLID is based on this field. Is ISPN=YES, the CLID is based on the call type before digit manipulation.	pra-15
	(NCHG) INTL NPA NXX LOC CDP SPN UKWN	Call type will not be changed Special number in International format NPA NXX Location Code Coordinated Dialing Plan Special Number other than International Unknown call type	
CUST	xx	Customer number associated with this function as defined in LD 15	basic-1
DAYS	1-7	Days assigned to the currently defined schedule period To remove days from the schedule period precede the number representing the day with X. Up to 7 entries, separated with a space, may be input (Where: 1 = Monday, 7 = Sunday).	nas-15

Prompt	Response	Comment	Pack/Rel
DBK	(NO) YES	Drop Back busy option disabled Drop Back busy option enabled Up to four entries one for each of the attendant alternatives in this schedule period. If both sides of the ISDN trunk are set to N the remote node accepts the call and reroutes it, thus one side of the trunk must be set to Y. If a node has all the NAS routes with DBK = Y it will be considered by the network as “Centralized Night DN Node”. This permits all other nodes in night to reject all attempts of this specific node, even in night, thus the call can only be inserted in this local night DN que. The order of the response to this prompt must correspond to the order of response to the ALST prompt.	nas-15
DEL	(0)-19	Number of leading digits to be Deleted	b/nars-1
DLTN	(YES) NO	NARS/BARS Dial Tone after dialing AC1 or AC2 access codes	b/nars-1
DMI	 (0) (0)-31 (0)-255 (0)-999	Digit Manipulation Index numbers No digit manipulation required CDP NARS/BARS NARS/BARS with Flexible Numbering Plan (FNP) package 160 The maximum number of Digit Manipulation tables is defined by prompt MXDM. DMI is not prompted if route TKTP = ADM.	b/nars-20
ENTR	0-63 0-6 X	Entry number for NARS/BARS Route List Route list entry number for CDP Precede with x to remove	esn-1

Prompt	Response	Comment	Pack/Rel
ERDT	0-(6)-10	Expensive Route Delay Time (in 2 second intervals)	b/nars-1
ERWT	(YES) NO	Expensive Route Warning Tone ***Note:*** ERWT is not supported on TIE trunks. ERWT defaults to of three bursts of tone, but may be modified in LD 56 if Flexible Tones and Cadences (FTC) package 125 is equipped, to indicate that the call will be placed over an expensive route. The user has 3 choices: 1. go On-Hook and abort the call 2. remain On-Hook and accept the call 3. activate Ring Again	b/nars-1
ETOD	1-7 X1-X7	Extended Time of Day schedule (day(s) of the week for special TOD schedule) Where:1 = Sunday and 7 = Saturday. To remove a day	b/nars-1
EXP	(NO) YES	Expensive route Not prompted if route TKTP = ADM or LTER = YES	b/nars-1
FCI	 (0)-127 (0)-255	Free Calling area screening Index number BARS NARS Use 0 if no FCAS is required. Not prompted if route TKTP = ADM.	b/nars-1
FEAT	 DGT ESN ITGE NAS RLB SCC	Feature Digit manipulation data block ESN data block Incoming Trunk Group Exclusion data block Network Attendant Service data block Route List data Block Special Common Carrier data block	esn-1
FRL	(0)-7	Facility Restriction Level	b/nars-1
FSNI	(0)-1-255	Free Special Number screening Index	fnp-20
ID	x...x <CR>	Digits (up to 16) dialed to reach a remote attendant Leave ID unchanged, go to ALT prompt.	nas-15

Prompt	Response	Comment	Pack/Rel
IDBB		ISDN Drop Back Busy IDBB appears if ISDN=YES in LD 15	orc/orq-16
	(DBD)	Drop Back Disabled	
	DBA	Drop Back if All routes busy	
	DBI	Drop Back if Initial set busy.	
INST	x...x	Insert. Where x...x is: up to 31 leading digits may be inserted	b/nars-1
	x...x y...y	For Specialized Common Carriers (SCC), up to 23 leading digits may be inserted including: access number, delimiter*, and authorization code.	
IOHQ	(NO) YES	ISDN Off-Hook Queuing option Prompted if ISDN = YES in LD 15.	ohq-16
ISDM	(0)-255	ISL D-channel Down Digit Manipulation Index number. Not prompted if route TKTP = ADM or LTER = YES	is1-17
	(0)	No digit manipulation required	
	(0)-31	CDP	
	(0)-127	NARS/BARS	
	(0)-999	NARS/BARS with Flexible Numbering Plan (FNP) package 160.	
		When the ISL D-channel goes down, this Digit Manipulation Index is used to perform the Digit Manipulation which includes the ESN access code insertion capability. This is only used when the ISL reverts back to conventional signaling. When the D-channel is up the existing DMI is used to perform digit manipulation. This DMI is only used when the ISL D-channel is down. Any valid DMI can be entered. The ISDM is intended to be a DMI which inserts an ESN access code.	
ISPN	(YES) NO	Special IP Number. If ISPN = YES then CLID format is determined by the call type specified during digit analysis. If ISPN = NO then CLID format is specified by call type (CTYP).	basic 4.0

Prompt	Response	Comment	Pack/Rel
ISET	(0)-64	Initial Set. Number of entries in Initial Set for route list block.	b/nars-1
ITEI		Incoming Trunk group Exclusion Index	b/nars-5
	1-127	BARS	
	1-255	NARS	
LDN2	(0)-10	Number of digits in SCC type 2 LDN	b/nars-1
LTER	(NO) YES	Local Termination entry	fgd-17
MFRL	(MIN) 0-7	Set Minimum Facility Restriction Level used to determine autocode prompting. Use default of MIN to set to the minimum FRL value.	b/nars-1
MSCC	0-7	Maximum number of Special Common Carrier (SCC) entries	nars-1
MXDM		Maximum number of Digit Manipulation tables (you must count Table 0 for the system)	esn-1
	0-32	CDP	
	0-256	NARS/BARS	
	0-1000	NARS/BARS with Flexible Numbering Plan (FNP) package 160 equipped	
MXFC		Maximum Free Calling area screening tables	b/nars-1
	0-127	BARS	
	0-255	NARS Prompted when NARS/BARS equipped	
MXFS	0-255	Maximum number of Free Special Number Screening tables	b/nars-1
MXIX		Maximum number of Incoming Trunk Group Exclusion tables (use ”0” if not required)	b/nars-5
	0-127	BARS	
	0-255	NARS	

Prompt	Response	Comment	Pack/Rel
MXLC	0-999 0-16 000	Maximum number of LOC codes (NARS only) Maximum number of LOC codes (with the ESN Location Code Expansion feature and the FNP feature enabled) ***Note:*** Small Systems, CS 1000S, MG 1000B, and MG 1000T display a warning message when you configure the MXLC prompt to a value greater than 4000. Nortel recommends that you increase the LOCs in sets of 50, and regularly check on the available memory.	nars-1 locx-4.0
MXRL	 0-128 0-128 0-256 0-1000	Maximum number of Route Lists If MXRL = 0, the system will not allow the creation of any route lists. CDP BARS NARS NARS with Flexible Numbering Plan (FNP) package 160 equipped	esn-1
MXSC	0-8000 0-10000 0-32000	Maximum number of Steering Codes for Small System Maximum number of Steering Codes in North America Maximum number of Steering Codes outside North America	cdp-1
MXSD	(0)-1500	Maximum Supplemental Digit restriction blocks	b/nars-1
NALT	1-(5)-10	Number of alternate routing attempts. Prompt appears once per RLI.	brte-24
NCDP	 3-7 3-10	Define DN length for CDP A Coordinated Dialing Plan (CDP) consists of the CDP code and the Directory Number (DN). This dialing plan does not need an access code because the CDP code is part of the internal dialing plan. The CDP code is one of the following: the Distant Steering Code (DSC) or the Local Steering Code (LSC) Number of digits in CDP DN (DSC + DN or LSC + DN) Number of digits in CDP DN with Directory Number Expansion (DNXP) package 150	cdp-1

Prompt	Response	Comment	Pack/Rel
NMAP	xx yy	NCOS Map (NCOS numbers to be applied for routing controls). Where: • xx = current NCOS number • yy = NCOS number to be applied for BARS/CDP or NARS when routing control is in effect. NCOS ranges: 0-99	ncos-1
OHQ	(NO) YES	Off-Hook Queuing not allowed Off-Hook Queuing allowed This prompt should not be used with NARS DPNSS1. OHQ is not prompted if LTER = YES.	bars-1
OVLL	(0)-24	Overlap Length Number of digits dialed (after the ESN access code) before SETUP message is sent or outpulsing begins. If OVLL = 0, Overlap Sending is controlled by the number of digits in the ESN or CDP steering codes (e.g. FLEN).	ovlp-16
PER	hh mm hh mm	The start and stop times for the schedule period (the start time must be less than the stop time)	
QUE	(NO) YES	Queuing to a route disabled Queuing to a route enabled Up to four entries one for each of the attendant alternatives in this schedule period. The order of the response to this prompt must correspond to the order of response to the ALST prompt.	
RBTD	(0)-30	Ringback Tone Delay time in seconds for SCC (only even numbers will be accepted)	nars-1
REQ	 CHG END LCHG NEW OUT PRT	Request Change existing data block. Exit Overlay program. Print date and time that each data group was last changed (data groups include: ESN, DGT, NAS, RLB, SCC, and ITGE) Create new data block. Remove data block. Print data block.	esn-1
RLI		Route List Index to be accessed	esn-20

Prompt	Response	Comment	Pack/Rel
	0-127 0-255 0-999	CDP and BARS NARS FNP	
ROUT	0-511	Route number Not prompted if LTER = YES.	esn-1
RTCL	(DIS) YES	Disable Routing Controls. Enable or modify Routing Controls.	esn-1
RTNO	0-511	Route Number associated with index Precede with X to delete an existing route.	b/nars-5
SBOC	 (NRR) RRO RRA	Step Back on Congestion No Reroute Reroute if originating node, step back if transit node. Reroute all.	dpnss1-16
SCCI	(0)-7	Special Common Carrier Index into the SCC data table Use “0” if not required.	nars-1
SCNV	(NO) YES	Skip Conventional Signaling.	
TBL	(0)-63	NAS routing table. 0 is the customer routing table. It is also associated with Attendant Console Group 0.	nars-16
TDET	(NO) YES	Tone Detector used Not prompted if route TKTP = ADM or LTER = YES.	nars-1
TGAR	 (NO) YES	Check for Trunk Group Access Restrictions Ignore TGAR/TARG when call is placed through BARS. Examine TGAR/TARG when call is placed through BARS.	esn-1
TOD	 0-1 0-7	Time of Day schedule CDP NARS/BARS Precede with X to turn off schedule.	esn-1
TODS	 1-31 0 0-1 0-7 0-7 hh mm hh mm	Time of Day schedule Schedule period to be changed. Catch-all period. Start and stop times are not relevant for this period. The next prompt is ALST. CDP NARS/BARS	esn-1

Prompt	Response	Comment	Pack/Rel
		Schedule number, start hour, start minute, end hour, end minute for NARS/BARS.	
	0-1 hh mm hh mm		
		Schedule number, start hour, start minute, end hour, end minute for CDP.	
	X1-X31	Remove the schedule period	
	X0	Remove/clear all alternatives associated with period 0. This leaves the catch-all treatment as local attendant treatment.	
	<CR>	End NAS feature data setup and return to REQ prompt.	
TONE	SCC	SCC dial tone type expected	nars-1
	DIAL	Normal dial tone type expected	
TYPE	CC1	SCC Type 1 tone detector application	
	CC2	SCC type 2 tone detector application	
	TIE	On-network call tone detector application	
VDCH	1-15	VNS D-channel number	vns-16
VDMI		VNS Digit Manipulation Index number for the D-channel (ESN routing)	vns-16
	(0)	No digit manipulation required	
	1-31	CDP	
	1-255	NARS/BARS	
	0-999	With Flexible Numbering Plan (FNP) package 160	
VNS	(NO) YES	Entry is a VNS route Prompted for DID,TIE and CO.	vns-16
VTRK	1-(20)-254	VNS Trunks (maximum number of VNS Trunks to be used by this route list entry)	vns-16

LD 87: Electronic Switched Network 2

Overlay program 87 allows data which define the NARS/BARS/CDP features to be created, modified and printed.

Prompts and responses

Contents

FEAT = CDP (Coordinated Dialing Plan)

Prompt	Response	Comment
REQ	a...a	Request (a...a = CHG, END, LCHG, NEW, OUT, or PRT)
CUST	xx	Customer number associated with this function
FEAT	CDP	Feature = CDP (Coordinated Dialing Plan)

TYPE	aaa	Type of steering code (aaa = LSC, DSC, or TSC)
LSC	x...x	Local Steering Code
- DMI	0-31	Digit Manipulation Index for LSC
- DEL	0-4	Number of digits to be deleted
DSC	x...x	Distant Steering Code
- FLEN	(0)-24	Flexible Length number of digits
- DSP	aaa	Display (aaa = LSC, LOC, or DN)
- RRPA	(NO) YES	Remote Radio Paging Access
- RLI	xxx	Route List to be accessed for Distant Steering Code
- CCBA	(NO) YES	Collect Call Blocking
- NPA	xxxxxxx	maximum 7 digit NPA code allowed
- NXX	xxxxxxx	maximum 7 digit NXX code allowed
TSC	x...x	Trunk Steering Code
- FLEN	(0)-24	Flexible Length number of digits
- ITOH	(NO) YES	Inhibit Time-out option
- CCBA	(NO) YES	Collect Call Blocking
- RLI	0-999	Route List to be accessed for trunk steering code

FEAT = FCAS (Free Calling Area Screening)

Prompt	Response	Comment
REQ	a...a	Request (a...a = CHG, END, LCHG, NEW, OUT, or PRT)
CUST	xx	Customer number associated with this function
FEAT	FCAS	Feature = FCAS (Free Calling Area Screening)
FCI	xxx	Free Calling Area Screening Index number
GKCF	(0)-255	Gatekeeper Cost Factor
NPA	xxx	Three-digit NPA code to be screened
NXX	aaaa	NXX codes for NPA (aaaa = DENY or ALOW)
- DENY	xxx xxx	NXX code or range of codes to be Denied
- ALOW	xxx xxx	NXX code or range of codes to be Allowed

FEAT = FSNS (Free Special Number Screening)

Prompt	Response	Comment
REQ	a...a	Request (a...a = CHG, END, LCHG, NEW, OUT, or PRT)
CUST	xx	Customer number associated with this function
FEAT	FSNS	Feature = FSNS (Free Special Number Screening)
FSNI	1-255	Free Special Number screening Index
SPN	x...x	Special Number code to be screened
XXX	aaaa	Routing codes (aaaa = DENY or ALOW)
- DENY	xxx xxx	Routing code or range of codes to be Denied
- ALOW	xxx xxx	Routing code or range of codes to be Allowed

FEAT = NCTL (Network Control)

Prompt	Response	Comment
REQ	a...a	Request (a...a = CHG, END, LCHG, NEW, OUT, or PRT)
CUST	xx	Customer number associated with this function
FEAT	NCTL	Feature = NCTL (Network Control)
SOHQ	(NO) YES	Off-Hook Queuing option
- OHTL	2-(10)-60	Off-Hook Queue Time Limit
SCBQ	(NO) YES	Call-Back Queuing option
- CBTL	10-(20)-30	Call-Back Queue Time Limit
- RANE	0-511	RAN route number for CBQ offer to ESN stations
- RANC	0-511	RAN route number for CBQ offer to Conventional main
NRNG	0-99 1-99	NCOS Range
NCOS	(0)-99	Network Class of Service group number
MLPPSD	xxxxxx	MLPP Service Domain class of service.
ARDL	a	ARDL network route selection is allowed from both initial and extended route sets or only the initial route set (a = (A) or I)
- MPL	aaaa	Maximum Precedence Level
- EQA	(NO) YES	Equal Access associated with this NCOS group
- FRL	(0)-7	Facility Restriction Level
- RWTA	(NO) YES	Expensive Route Warning Tone
- NSC	(NO) YES	Network Speed Call access allowed
- - LIST	0-253	List numbers to which System Speed Call has access
- OHQ	(YES) NO	Off-Hook Queuing eligibility
- CBQ	(NO) YES	Call Back Queuing eligibility
- RETT	2-(10)-30	Remote Virtual Queuing Retry Timer
- RETC	4-(5)-16	Remote Virtual Queuing Retry Counter
- - ROUT	a	Call Back Queuing on Initial or All Routes (a = (I) or A)
- - RADT	(0)-30	Route Advance Timer
- SPRI	(0)-3	Starting Priority in CBQ
- MPRI	(0)-3	Maximum Priority attainable in CBQ
- PROM	(0)-30	Priority Promotion timer
TOHQ	0-7	TCOS OHQ eligibility

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
ALOW	xxx xxx	Routing code (NXX) code or range of codes to be allowed	b/nars-20
	<CR>	Stop ALOW prompt	
ARDL	(A)	ARDL network route selection is allowed from ALL (both initial and extended) route sets	ardl-22
	I	ARDL network route selection is only allowed from initial route set	
CBQ	(NO) YES	Call Back Queuing eligibility	bque-1
CBTL	10-(20)-30	Call Back Queue Time Limit (in 2 second increments) This is the time in which the user must respond to Ring Again feature to accept the CBQ call. Applies to multi-line sets only.	b/nars-1
CCBA	(NO) YES	Collect Call Blocking (CCB) Denied Collect Call Blocking Allowed CCBA is prompted when TYPE =TSC or DSC. CCBA is prompted with CCB package 290.	ccb-21
CUST	xx	Customer number associated with this function as defined in LD 15	esn-1
DEL	0-4 0-7	Number of digits to be Deleted Up to 7 digits with Directory Number Expansion (DNXP) package 150	cdp-1
DENY	xxx xxx <CR>	Routing (NXX) code or range of codes to be denied Stop DENY prompt.	b/nars-20
DMI	0-31 0-999	Digit Manipulation Index for LSC With Flexible Numbering Plan (FNP) package 160	b/nars-20
DSC	xxxx	Distant Steering Code Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Prompted until <CR> is entered.	cdp-19
DSP		Display	fnp-20
	(LSC)	Local Steering Code	
	HLOC	Home Location code	
	DN	Directory Number to be used for CLID	

Prompt	Response	Comment	Pack/Rel
		Prompted with Flexible Numbering Plan (FNP) package 160 and ISDN are equipped.	
EQA	(NO) YES	Equal Access associated with this NCOS group	eqa-18
FCI		Free Calling area screening Index number	b/nars-1
	1-127	BARS	
	1-255	NARS	
		Table 0 is network reserved to indicate that no FCAS is applied.	
FEAT		Feature	esn-1
	CDP	Coordinated Dialing Plan	
	FCAS	Free Calling Area Screening	
	FSNS	Free Special Number Screening (allowed with Flexible Numbering Plan (FNP) package 160)	
	NCTL	Network Control	
FLEN	(0)-24	Flexible Length number of digits	fnp-20
		Prompted with Flexible Numbering Plan (FNP) package 160.	
FRL	(0)-7	Facility Restriction Level	b/nars-1
		FRL is assigned to each NCOS. It determines the entries in a Route List (RLI) to which it has access. 0 is the most restrictive, 7 is the least restrictive and can access more entries.	
FSNI	1-255	Free Special Number screening Index	fnp-20
GKCF	(0)-255	Gatekeeper Cost Factor, where: • 0 = not required for Gatekeeper configuration • 1-255 = a higher number represents a more expensive call For CS 1000S	 basic-2.0
ITOH	(NO) YES	Inhibit Time-out option	fnp-20
LIST	0-4095	List numbers to which System Speed Call has access	ssc-2
	<CR>	All lists	
		Precede with X to remove SSC list.	

Prompt	Response	Comment	Pack/Rel
LSC	xxxx	Local Steering Code Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Prompted until <CR> is entered.	cdp-19
MLPPSD	xxxxxx	MLPP Service Domain class of service. Where: • xxxxxx = six hexadecimal characters in the range (000000 to FFFFFF) used to signify a 24 bit binary integer. Default is taken from Overlay 15. Precede with x to remove.	atvn-25.47
MPL	aaaa	Maximum Precedence Level	
MPRI	(0)-3	Maximum Priority attainable in CBQ	bque-1
NCOS	(0)-99	Network Class of Service group number	ncos-1
NPA	xxx	Three-digit NPA code to be screened (the first digit must be 2-9; the second and third digits can be 0-9). Omit the “1” in 1 + NPA format. • xxx = 200-999. Only 3 digits are allowed, even when using 1 + dialing. BARS allows up to 15 NPA codes per table. NARS allows up to 15 NPA codes per table with a maximum of 800 NXX codes each.	nanp-19
	xxx yyy	Area code or extended NPA code translation Where: • xxx & yyy = 200 - 999. FCAS accepts only three digits for the NPA, even if 1 + dialing in use.	
	xxxxxxx	Numbering Plan Area Code • 7 digits are allowed when TYPE = DSC	basic-25

Prompt	Response	Comment	Pack/Rel
NRNG	0-99 1-99 <CR>	NCOS Range (starting and ending number for NCOS printing) Pressed without defining the ending number, then only the NCOS with the starting number defined is printed. Prompted when REQ = PRT.	ncos-14
NSC	(NO) YES	Network Speed Call access allowed	nsc-2
NXX	DENY ALOW	NXX codes to be denied for NPA NXX codes to be allowed for NPA	b/nars-1
	xxxxxxx	Public Network Exchange Code • 7 digits are allowed when TYPE = DSC	basic-25
OHQ	(YES) NO	Off-Hook Queuing eligibility	ohq-1
OHTL	2-(10)-60	Off-Hook Queue Time Limit (in 2 second increments) This is the maximum amount of time a user will remain off-hook for OHQ before it times out. After timeout the system searches once before going to Network Blocking Intercept treatment. If an odd number is entered, it is rounded up to the next even number.	b/nars-1
PROM	(0)-30	Priority Promotion timer (in 30 second increments, where: 1 = 30 seconds and 30 = 15 minutes)	pque-1
RADT	(0)-30	Route Advance Timer (in 30 second increments, where: 1 = 30 seconds and 30 = 15 minutes)	bque-1
RANC	0-511	RAN route number for CBQ offer to Conventional main Enter X to remove RAN route.	nars-1
RANE	0-511	RAN route number for CBQ offer to ESN stations Enter X to remove RAN route.	nars-1

Prompt	Response	Comment	Pack/Rel
REQ		Request	esn-1
	CHG	Change existing data block	
	END	Exit Overlay program	
	LCHG	Print date and time that each data group level was last changed (data groups include: NCTL, FCAS, FSNS, LSC, DSC, and TSC)	
	NEW	Create new data block	
	OUT	Delete existing data block	
	PRT	Print data block	
RETC	4-(5)-16	Remote Virtual Queuing Retry Counter. This is the number of times the initial set should be searched before the scanning includes the extended set. Once the retry counter threshold is met, each node in the network searches its extended set.	rvq-18
RETT	2-(10)-30	Remote Virtual Queuing Retry Timer in seconds. This is the number of seconds between forward scanning attempts.	rvq-18
RLI		Route List accessed for trunk or distant steering code	cdp-20
	0-31	CDP	
	0-127	BARS	
	0-255	NARS	
	0-999	Flexible Numbering Plan (FNP) (Release 20 & later)	
ROUT	(I)	Call Back Queuing on Initial routes The system offers queuing only after examining ISET (Initial Set) entries.	bque-2
	A	Call Back Queuing on All routes The system examines all entries in the route list, both ISET (Initial Set) and ESET (Extended Set) before offering queuing.	
RRPA	(NO) YES	Remote Radio Paging Access (Remote Radio Paging FFC is being used). Prompted if a CDP, TSC or DSC is being added or changed.	rpa-20
RWTA	(NO) YES	Expensive Route Warning Tone	b/nars-1
SCBQ	(NO) YES	Call Back Queuing option	b/nars-1
SOHQ	(NO) YES	Off-Hook Queuing option	b/nars-1

Prompt	Response	Comment	Pack/Rel
SPN	x...x	Special Number code to be screened. • xxx = 1-19 digits	fnp-20
SPRI	(0)-3	Starting Priority in CBQ	pque-2
TOHQ	0-7	TCOS OHQ eligibility Which TCOS (i.e., FRL) are OHQ eligible (Up to 8 entries).	b/nars-1
	<CR>	No TCOS are OHQ eligible Precede with X to remove OHQ eligibility from a TCOS.	
TSC	xxxx	Trunk Steering Code Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Prompted until <CR> is entered.	cdp-19
TYPE	LSC DSC TSC FSNS ALL	Local Steering Code Distant Steering Code Trunk Steering Code Free Special Number Screening Index All steering codes	fnp/ cdp-20
XXX	DENY ALOW	Routing codes to be denied Routing codes to be allowed	fnp-20

LD 88: Authorization Code

Overlay program 88 allows data for Basic Authorization Code (BAUT) and Network Authorization Code (NAUT) to be created, modified and printed.

Prompts and responses

Contents

AUB or RAUB: Authcode or Room Authcode data block

Prompt	Response	Comment
REQ	aaa	Request (aaa = CHG, END, NEW, OUT, or PRT)
TYPE	aaaa	Type = AUB (Authcode) or RAUB (Room Authcode)
CUST	xx	Customer number associated with this function
SPWD	xxxx	Secure Data Password

ALEN	1-14	Authcode Length
ACDR	NO YES	Activate CDR for authcodes
AUTHCOD_ALRM	(OFF) ON	Authcode Alarm
RANR	x...x	RAN Route number
ACLE	(NO) YES	Authorization Code Conditionally Last Enhancement
BRST	0-(10)	Number of initial bursts of tone to be given
RTRY	(NO) YES	(Disable) Enable Authcode - last Retry
- RAN2	x...x	Route number for Authcode - last Retry RAN
CLAS	(0)-115	Class code value assigned to authcode
- COS	a...a	Class of Service
- TGAR	0-(1)-31	Trunk Group Access Restriction
- NCOS	(0)-99	Network Class of Service
CAC	0-(3)-9	ANI Category for 3WT calls
CAC_CIS	0-(3)-9	CIS ANI category code
AUTO	YES NO	Automatically generate authcodes
- SECR	0000-9999	Security password (NAUT)
- NMBR	1-50000	Number of authcodes to be generated automatically
- CLAS	(0)-115	Class code to be automatically assigned

AUT: Authcode entries data block

Prompt	Response	Comment
REQ	aaa	Request (aaa = CHG, END, NEW, OUT, or PRT)
TYPE	AUT	Type = AUT (Authcode entries)
CUST	xx	Customer number associated with this function
SPWD	xxxx	Secure Data Password
CODE	xxxx	Authcode
SARC	NO YES	Scheduled Access Restriction (SAR) Code
- SERV	nnn...nnn	SAR Service functions for SARC
- SGRP	0-999	SGRP number
CLAS	(0)-115	Class code
SECR	0000-9999	Security password

SAR: Scheduled Access Restriction data block

Prompt	Response	Comment
REQ	aaa	Request (aaa = CHG, END, NEW, OUT, or PRT)
TYPE	SAR	Type = SAR (Scheduled Access Restriction)
CUST	xx	Customer number associated with this function
SPWD	xxxx	Secure Data Password
SGRP	0-999	SAR Group number
SCDR	(NO) YES	Activate CDR for the SAR code feature
OFFP	1-8	Off-hour Period number
- STAR	hh mm	Start time
- STOP	hh mm	Stop time
- DAYS	d ... d	Respond with a new set of days to be used
- COS	a...a	Class of Service
- TGAR	0-(1)-31	Trunk Group Access Restriction
- NCOS	(0)-99	Network Class of Service
ICR	(NO) YES	Incoming Calls are Restricted.
LOCK	(1)-8	Lock period

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
ACDR	NO YES	Activate CDR for authcodes. There is no default.	cdr-1
ACLE	(NO) YES	Authorization Code Conditionally Last Enhancement	nars-24
ALEN		Authcode Length (all authcodes are the same length).	baut-1
	1-4	Room Authcode	
	1-7	NAUT	
	1-14	BAUT	
AUTHCOD_ALRM			basic-21
	(OFF)	Disable Authcode Alarm	
	ON	Enable Authcode Alarm	
AUTO	YES NO	Automatically generate authcodes. Prompted when Network Authorization Code (NAUT) package 63 is equipped and REQ = “NEW”. ALEN must be a minimum of four digits.	naut-1
BRST	0-(10)	Number of initial bursts of tone to be given	nars-24
CAC	0 -(3)- 9	ANI category for 3WT calls Prompted with Commonwealth of Independent States - Three Wire Analog Trunk (CIST) package 221.	cist-21
CAC_CIS	0-(3)-9	CIS ANI category code	cist-24
CLAS	(0)-115	Class code value assigned to authcode. Cycle continues with CODE. Prompted when SARC = NO. When TYPE = “AUT”, enter X to have authcode be an exempt code. When this data is printed, the month in which authcode was deactivated is output. Default is “0” when adding authcode entries.	baut-1
	X	Exempt authcode	
	<CR>	End of input	

Prompt	Response	Comment	Pack/Rel
CODE	xxxx	Authcode (number of digits must equal the ALEN response).	baut-1
	ALL	May be used to delete Authcodes if Network Authorization Code (NAUT) package 63 is equipped and codes were automatically generated.	
COS		Class of Service	baut-1
	(CTD)	Conditionally Toll Denied	
	CUN	Conditionally Unrestricted	
	FR1	Fully Restricted class 1	
	FR2	Fully Restricted class 2	
	FRE	Fully Restricted	
	IPNA	Intercept Position	
	IRGA	Interrogation set	
	SRE	Semi-Restricted	
	TLD	Toll Denied	
	UNR	Unrestricted	
CUST	xx	Customer number associated with this function as defined in LD 15	esn-1
DAYS	d...d	Respond with a new set of days to be used d...d = maximum of seven entries in range of 1-7	sar-20
ICR	(NO) YES	Incoming Calls are Restricted.	sar-20
LOCK	(1)-8	Lock period	sar-20
NCOS	0-99	Network Class of Service (enter the new NCOS that will replace the NCOS of the station).	baut-1
NMBR	1-50000	Number of authcodes to be generated automatically To generate up to 50,000 authcodes, the maximum entry at NMBR is 5000 each time it is prompted.	baut-1
OFFP	1-8	Off-hour Period number	sar-20
	<CR>	Go to ICR prompt.	
RANR	x...x	RAN route number for “Authcode Last” prompt (NAUT), where: • x...x = 0-127 for Small system, CS 1000S, MG 1000B and MG 1000T • x...x = 0-511 for Large system and CS 1000E	naut-1
	X	No RAN route	

Prompt	Response	Comment	Pack/Rel
RAN2	x...x	Route number for Authcode - last Retry RAN, where: • x...x = 0-127 for Small system, CS 1000S, MG 1000B and MG 1000T • x...x = 0-511 for Large system and CS 1000E	dpna-21
	X	Removes and deactivates Authcode-last Retry RAN	
REQ		Request	baut-1
	CHG	Change existing data block	
	END	Exit Overlay program	
	NEW	Create new data block	
	OUT	Delete existing data block	
	PRT	Print data block	
RTRY	(NO)	Disable authcode - last Retry.	dpna-21
	YES	Enable authcode - last Retry. Prompted with Direct Private Network Access (DPNA) package 250.	
SARC	NO YES	Scheduled Access Restriction (SAR) Code is to be a Scheduled Access Restriction (SAR) authorization code.	sar-20
SCDR	(NO) YES	Activate CDR for the SAR code feature.	sar-20
SECR	0000-9999	Security password as entered during AUTO sequence Prompted when CODE = ALL. Cycle continues with CODE.	baut-1
SERV		SAR Service functions for SARC	sar-20
	(END)	Enable Denied	
	ENA	Enable Allowed	
	(LKD)	Lock Denied	
	LKA	Lock Allowed	
	(DSD)	Disable Denied	
	DSA	Disable Allowed	
	(UND)	Unlock Denied	
	UNA	Unlock Allowed	
		Up to four entries can be made at once.	

Prompt	Response	Comment	Pack/Rel
SGRP	0-999 ALL <CR>	Scheduled Access Restriction group (SGRP) number Authorization code is to be a customer SARC. End of SAR changes, return to REQ.	sar-20
SPWD	xxxx	Secure Data Password (same password as defined for DISA on a per customer basis in LD 15). Prompt will not appear to user with a LAO password.	baut-1
STAR	hh mm	Start time The current start time (hours and minutes) is printed individually after the prompt. Respond with the new start time.	sar-20
	X	Remove value and return to OFFP.	
STOP	hh mm	Stop time The current stop time (hours and minutes) is printed individually after the prompt. Respond with the new stop time.	sar-20
	X	Remove value and return to OFFP.	
TGAR	0-(1)-31	Trunk Group Access Restriction range	baut-1
TYPE		Type of data block	baut-1
	AUB	Authcode data block	
	AUT	Authcode entries data block	
	RAUB	Room Authcode data block (Hospitality Management)	
	RAUT	Room Authcode entries (Hospitality Management) data block	
	SAR	Scheduled Access Restriction data block	

LD 90: Electronic Switched Network 3

Overlay program 90 allows data for network translation tables to be generated and administered.

Prompts and responses

Contents

HLOC: Home Location data block (NARS only)

Prompt	Response	Comment
REQ	a...a	Request (a...a = CHG, END, LCHG, NEW, OUT, or PRT)
CUST	xx	Customer number associated with this function
FEAT	NET	Feature = NET
TRAN	aaa	Translator (aaa = AC1, AC2, or SUM)
TYPE	HLOC	Type = HLOC (Home Location code)
HLOC	xxx y..y	Home Location code, where xxx = home location code and y...y = extended code of 1-4 digits. The extended code is optional.
- DMI	1-255	Digit Manipulation Index

HNPA: Home Number Plan area code data block

Prompt	Response	Comment
REQ	a...a	Request (a...a = CHG, END, LCHG, NEW, OUT, or PRT)
CUST	xx	Customer number associated with this function
FEAT	NET	Feature = NET
TRAN	aaa	Translator (aaa = AC1, AC2, or SUM)
TYPE	HNPA	Type = HNPA (Home Number plan area code transmission)
HNPA	xxx	Home Numbering Plan Area code where xxx = 200 - 999
	1xxx	Home Numbering Plan Area code using 1+ dialing, where xxx = 200 - 999.

LOC: Location code data block (NARS only)

Prompt	Response	Comment
REQ	a...a	Request (a...a = CHG, END, LCHG, NEW, OUT, or PRT)
CUST	xx	Customer number associated with this function
FEAT	NET	Feature = NET
TRAN	aaa	Translator (aaa = AC1, AC2, or SUM)

TYPE	LOC	Type = LOC (Location code)
LOC	xxx y...y	Location code, where x = home location code and y...y = extended code of 1-4 digits. The extended code is optional.
- FLEN	(0)-24	Flexible Length
- RLI	xxx	Route List Index
- NPA	xxxxxxx	maximum 7 digit NPA code allowed
- NXX	xxxxxxx	maximum 7 digit NXX code allowed
- ITOH	(NO) YES	Inhibit Time Out Handler
- ITEI	xxx	Incoming Trunk group Exclusion Index
- LDN	xx...xx	Listed Directory Number
- DID	(NO) YES	Direct Inward Dial (DID)
- - MNXX	(NO) YES	Multiple NXX
- - SAVE	1-4	Saved digits
- - - OFFC	xxx	Office
- - RNGE	0-9999 0-9999	Range

NPA: Number Plan area code data block

Prompt	Response	Comment
REQ	a...a	Request (a...a = CHG, END, LCHG, NEW, OUT, or PRT)
CUST	xx	Customer number associated with this function
FEAT	NET	Feature = NET
TRAN	aaa	Translator (aaa = AC1, AC2, or SUM)
TYPE	NPA	Type = NPA (Number plan area code transmission)
NPA	xxx y..y z..z	Numbering Plan Area code translation, where xxx = 3 digits, y..y = 1-3 digits, and z..z = 1-4 digits. the y..y and z..z entries are optional. Precede the xxx entry with the character “1” when using 1+ dialing.
- RLI	xxx	Route List Index
- SDRR	a...a	Supplemental Digit Restriction or Recognition (a...a = ALOW, DDD, DENY, DID, ITED, LDDD, LDID, or STRK)
- - DENY	x...x	Number to be denied within the NPA
- - DMI	1-255	Digit Manipulation Index
- - - LDID	x...x	Local DID number to be recognized
- - LDDD	x...x	Local DDD number to be recognized

- - DID	x...x	Remote DID number to be recognized
- - DDD	x...x	Remote DDD number to be recognized
- - ITED	x...x	Incoming Trunk group Exclusion Digits
- - ALOW	x...x	Allowed codes
- ITEI	xxx	Incoming Trunk group Exclusion Index

NSCL: Network Speed Call List data block

Prompt	Response	Comment
REQ	a...a	Request (a...a = CHG, END, LCHG, NEW, OUT, or PRT)
CUST	xx	Customer number associated with this function
FEAT	NET	Feature = NET
TRAN	aaa	Translator (aaa = AC1, AC2, or SUM)
TYPE	NSCL	Type = NSCL (Network Speed Call List)
- ITEI	xxx	Incoming Trunk group Exclusion Index
NSCC	xxx	Network Speed Call access Code
- SSCL	0-253	System Speed Call List number

NXX: Central Office Code Translation data block

Prompt	Response	Comment
REQ	a...a	Request (a...a = CHG, END, LCHG, NEW, OUT, or PRT)
CUST	xx	Customer number associated with this function
FEAT	NET	Feature = NET
TRAN	aaa	Translator (aaa = AC1, AC2, or SUM)
TYPE	NXX	Type = NXX (Central Office Code Translation)
NXX	xxx y..y	Numbering Plan Exchange (Central Office)
- RLI	xxx	Route List Index
- SDRR	a...a	Supplemental Digit Restriction or Recognition (a...a = ALOW, DDD, DENY, DID, ITED, LDDD, LDID, or STRK)
- - DENY	x...x	Number to be denied within the NXX
- - DMI	1-255	Digit Manipulation Index
- - - LDID	x...x	Local DID number to be recognized
- LDDD	x...x	Local DDD number to be recognized
- - DID	x...x	Remote DID number to be recognized
- - DDD	x...x	Remote DDD number to be recognized
- - ITED	x...x	Incoming Trunk group Exclusion Digits
- - ALOW	x...x	Allowed codes
- ITEI	xxx	Incoming Trunk group Exclusion index

SPN: Special Number Translation data block

Prompt	Response	Comment
REQ	a...a	Request (a...a = CHG, END, LCHG, NEW, OUT, or PRT)
CUST	xx	Customer number associated with this function
FEAT	NET	Feature = NET
TRAN	aaa	Translator (aaa = AC1, AC2, or SUM)
TYPE	SPN	Type = SPN (Special Number Translation)
SPN	x..x	Special Number translation
- FLEN	(0)-24	Flexible Length
- - INPL	(NO) YES	International Dialing Plan
- ITOH	(NO) YES	Inhibit Time-out Handler
- RLI	xxx	Route List Index
- CLTP	a...a	Type of call that is defined by the special number (a...a = (NONE), LOCL, NATL, INTL, SSER, or SERH)
- SDRR	a...a	Supplemental Digit Restriction or Recognition (a...a = ALOW, ARRN, DDD, DENY, DID, ITED, LDDD, LDID, or STRK)
- - DENY	x...x	Number to be Denied
- - DMI	1-255	Digit Manipulation Index
- - - LDID	x...x	Local DID number to be recognized
- - LDDD	x...x	Local DDD number to be recognized
- - DID	x...x	Remote DID number to be recognized
- - DDD	x...x	Remote DDD number to be recognized
- - ITED	x...x	Incoming Trunk group Exclusion Digits
- - ARRN	x...x	Alternate Routing Remote Number
- - STRK	x...x	Allowed codes for ADM/MDM
- - ALOW	x...x	Allowed codes
- - - ARLI	0-255 0-999	Alternative Route List Index

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
ALOW	x...x	Allowed codes for ADM/MDM to be recognized within the NXX, NPA or SPN The maximum number of digits to be entered must be the lesser of 10 or: • 7-m (8-m for 1 + dialing) for NXX • 10-m (11-m for 1 + dialing) for NPA • 19-m for SPN Where: m = number of digits entered for NPA, NXX, or SPN. These numbers do not have to be leftwise unique. For non leftwise unique numbers, the longer number takes precedence over the shorter number. However, the exact same numbers (not leftwise unique and the same length) are still blocked.	basic-22
ARLI	0-255 0-999	Alternative Route List Index Alternative Route List Index with Flexible Numbering Plan (FNP) package 160. The ARRN prompt is repeated after the ARLI prompt until <CR> is entered (in response to ARRN).	fnp-16
ARRN	x...x	Alternate Routing Remote Number to be recognized within SPN. The maximum number of digits to be entered must be the lesser of 10 or 19-m for SPN. Where: m = number of digits entered for SPN. These numbers do not have to be leftwise unique. For non leftwise unique numbers, the longer number takes precedence over the shorter number. However, the exact same numbers (not leftwise unique and the same length) are still blocked.	fnp-16
CLTP	(NONE) LOCL NATL INTL SSER SERH	Type of call that is defined by the special number. No call type Local National International Special Service Special Service Hold	kd3-20

Prompt	Response	Comment	Pack/Rel
CUST	xx	Customer number associated with this function as defined in LD 15.	b/nars-1
DDD	x...x	Remote DDD number to be recognized within the NPA, NXX or SPN. The maximum number of digits to be entered must be the lesser of 10 or: • 7-m (8-m for 1 + dialing) for NXX • 10-m (11-m for 1 + dialing) for NPA • 19-m for SPN Where: m = number of digits entered for NPA, NXX, or SPN. These numbers do not have to be leftwise unique. For non leftwise unique numbers, the longer number takes precedence over the shorter number. However, the exact same numbers (not leftwise unique and the same length) are still blocked.	b/nars-5
	<CR>	Return to SDRR prompt.	
DENY	x...x	Number to be denied within the NPA,NXX,SPN, or SDR. The maximum number of digits to be entered must be the lesser of 10 or: • 7-m (8-m for 1 + dialing) for NXX • 10-m (11-m for 1 + dialing) for NPA • 19-m for SPN Where: m = number of digits entered for NPA, NXX, or SPN. These numbers do not have to be leftwise unique. For non leftwise unique numbers, the longer number takes precedence over the shorter number. However, the exact same numbers (not leftwise unique and the same length) are still blocked.	b/nars-1
	<CR>	Return to SDRR prompt.	

Prompt	Response	Comment	Pack/Rel
DID	(NO) YES	Direct Inward Dial (DID) This location arranged for DID	
	x...x	Remote DID number to be recognized within the NPA,NXX or SPN. The maximum number of digits to be entered must be the lesser of 10 or: • 7-m (8-m for 1 + dialing) for NXX • 10-m (11-m for 1 + dialing) for NPA • 19-m for SPN Where: m = number of digits entered for NPA, NXX, or SPN. These numbers do not have to be leftwise unique. For non leftwise unique numbers, the longer number takes precedence over the shorter number. However, the exact same numbers (not leftwise unique and the same length) are still blocked. Precede with X to remove.	bnars-1
	<CR>	Return to SDRR prompt.	
DMI	1-255 1-999	Digit Manipulation Index Digit Manipulation Index with Flexible Numbering Plan (FNP) package 160 DMI is only prompted when the Directory Number Expansion (DNXP) package 150 is equipped and SDRR = LDID.	dnxp-13
FEAT		Feature	nars-1
	NET	Network translation tables	
FLEN		Flexible Length (the number of digits the system expects to receive before accessing a trunk and outpulsing these digits)	fnp-20
	(0)-24	Flexible Length range	
HLOC		Home Location code	nars-1
	xxx	xxx = 3 digits	
	xxx y..y	Extended Home Location code, where xxx = 3 digits and y..y = 1-4 digits. Separate the xxx and y..y with a space.	

Prompt	Response	Comment	Pack/Rel
HNPA		Home Numbering Plan Area code (a leading zero is not allowed)	nanp-19
	xxx	Response for Home Numbering Plan Area code, where xxx = 200-999. A leading zero is not allowed.	
	1xxx	Response for Home Numbering Plan Area code using 1+ dialing, where xxx = 200-999. Note that the xxx entry must be preceded with the character “1”.	
INPL	(NO) YES	International Dialing Plan for special number Default to North American operation when FLEN = 0. Prompted with Flexible Numbering Plan (FNP) package 160, FLEN = 0 and SPN = 0, 00, 01, 011, 411, 611, 911, 800, 1800.	
ITED	x...x	Incoming Trunk group Exclusion Digits (number to be restricted within the NPA for the excluded trunk group) The maximum number of digits to be entered must be the lesser of 10 or: • 7-m (8-m for 1 + dialing) for NXX • 10-m (11-m for 1 + dialing) for NPA • 19-m for SPN Where: m = number of digits entered for NPA, NXX, or SPN. These numbers do not have to be leftwise unique. For non leftwise unique numbers, the longer number takes precedence over the shorter number. However, the exact same numbers (not leftwise unique and the same length) are still blocked.	b/nars-1
	<CR>	Return to SDRR prompt	
ITEI	(0)-127 (0)-255	BARS Incoming Trunk group Exclusion Index NARS Incoming Trunk group Exclusion Index	b/nars-5
ITOH	(NO) YES	Inhibit Time-Out Handler	fnp-16

Prompt	Response	Comment	Pack/Rel
LDDD	x...x	Local DDD number to be recognized within the NPA, NXX, or SPN The maximum number of digits to be entered must be the lesser of 10 or: • 7-m (8-m for 1 + dialing) for NXX • 10-m (11-m for 1 + dialing) for NPA • 19-m for SPN Where: m = number of digits entered for NPA, NXX, or SPN. These numbers do not have to be leftwise unique. For non leftwise unique numbers, the longer number takes precedence over the shorter number. However, the exact same numbers (not leftwise unique and the same length) are still blocked.	b/nars-5
	<CR>	Return to SDRR prompt	
LDID	x...x	Local DID number to be recognized within the NXX, NPA or SPN The maximum number of digits to be entered must be the lesser of 10 or: • 7-m (8-m for 1 + dialing) for NXX • 10-m (11-m for 1 + dialing) for NPA • 19-m for SPN Where: m = number of digits entered for NPA, NXX, or SPN. These numbers do not have to be leftwise unique. For non leftwise unique numbers, the longer number takes precedence over the shorter number. However, the exact same numbers (not leftwise unique and the same length) are still blocked.	b/nars-5
	<CR>	Return to SDRR prompt	
LDN	xx...xx	Listed Directory Number Up to 10 digit listed directory number, including NPA.	
LOC	x...x xxx y..y	Location code, where xxx = 3 digits Location code, where x = home location code and y..y = extended code of 1-4 digits. The extended code is optional. Separate x and y codes with a space.	nars-1

Prompt	Response	Comment	Pack/Rel
MNXX	(NO) YES	Multiple NXX codes and ranges This prompt should not be used with NARS DPNSS1.	b/nars-5
NPA		Numbering Plan Area code translation	nanp-19
	xxx	Area code translation, where xxx = 3 digits. A leading zero is not allowed.	
	xxx y..y z..z	Extended NPA code translation. An extended NPA code can be from 4 to 10 digits, where xxx = 3 digits, y..y = 1-3 digits and z..z = 1-4 digits. Separate xxx, y..y and z..z entries with a space.	
	1xxx	Area code translation using 1+ dialing, where xxx = 3 digits. Note that the xxx entry must be preceded with the character “1”.	
	1xxx y..y z..z	Extended NPA code translation 1+ dialing. An extended NPA code using 1+ dialing can be from 5 to 11 digits, where xxx = 3 digits, y..y = 1-3 digits and z..z = 1-4 digits. Separate xxx, y..y and z..z entries with a space. Note that the xxx entry must be preceded with the character “1”.	
	xxxxxxx	Numbering Plan Area Code • up to 7 digits are allowed when TYPE = LOC	basic-25
NSCC	xxx	One to three-digit Network Speed Call access Code	nars-1
NXX		Numbering Plan Exchange	b/nars-1
	xxx	Office code translation, where xxx = 3 digits. A leading zero is not allowed.	
	1xxx	Office code translation using 1+ dialing, where: xxx = 3 digits. The xxx entry must be preceded with the digit “1”.	
	xxx y..y	Extended NXX code, where xxx = 3 digits and y..y = 1-4 digits. Separate the NXX code (xxx) and the extended	
	1xxx y..y	Extended NXX code using 1+ dialing, where xxx = 3 digits and y..y = 1-4 digits. Separate the NXX code (xxx) and the extended code (y..y) with a space. The xxx entry must be preceded with the digit “1”.	
	<CR>	Return to REQ.	

Prompt	Response	Comment	Pack/Rel
	xxxxxxx	Public Network Exchange Code • up to 7 digits are allowed when TYPE = LOC	basic-25
OFFC	xxx	Office (NXX of the DID number) Prompted if MNXX = YES.	b/nars-5
REQ		Request.	esn-1
	CHG	Change existing data block.	
	END	Exit Overlay program.	
	LCHG	Print date and time that each data group was last changed (data groups include: LOC, HLOC, NPA, HNPA, NXX, SPN and NSCL)	
	NEW	Create new data block.	
	OUT	Delete existing data block.	
	PRT	Print data block.	
RLI	0-127	BARS Route List Index	esn-20
	0-255	NARS Route List Index	
	0-999	Flexible Numbering Plan (FNP) Route List Index Must be in the range specified by prompt MXRL in LD 86, (i.e., 0 ð RLI < MXRL).	
RNGE	0-9999 0-9999	Range (upper and lower limit for DID number range) Inputs must be the same number of digits as the number of trailing digits to be saved.	b/nars-1
SAVE	1-4	Saved digits (number of trailing digits to be saved in dialed extension number - DID only) Must be 4 if MNXX = YES.	b/nars-1
SDRR		Supplemental Digit Restriction or Recognition	b/nars-5
	ALOW	Allowed codes	
	ARRN	Alternate Routing Remote Number	
	DDD	Recognized remote Direct Distance Dial codes	
	DENY	Restricted codes	
	DID	Recognized remote Direct Inward Dial codes	
	ITED	Incoming Trunk group Exclusion Digits	
	LDDD	Recognized Local Direct Distance Dial codes	
	LDID	Recognized Local Direct Inward Dial codes	
	STRK	For ADM/MDM trunk groups	
	<CR>	Return to SPN	

Prompt	Response	Comment	Pack/Rel
SPN		Special Number. Enter a carriage return or <CR> to return to the REQ prompt.	b/nars-1
	x...x	Special Number translation Enter the SPN digits in groups of 3 or 4 digits, separated by a space (e.g., xxxx xxx xxxx). The SPN can be up to 19 digits long. The maximum length no longer depends on whether or not the first digit of the SPN is a “1”. That restriction has been removed. The maximum number of groups allowed is 5.	
SSCL	0-4095	System Speed Call List number	nars-1
STRK	x...x	Allowed codes for ADM/MDM to be recognized within the NXX, NPA or SPN The maximum number of digits to be entered must be the lesser of 10 or: • 7-m (8-m for 1 + dialing) for NXX • 10-m (11-m for 1 + dialing) for NPA • 19-m for SPN Where: m = number of digits entered for NPA, NXX, or SPN. These numbers do not have to be leftwise unique. For non leftwise unique numbers, the longer number takes precedence over the shorter number. However, the exact same numbers (not leftwise unique and the same length) are still blocked.	
TRAN		Translator	b/nars-1
	AC1	Access Code 1 (NARS/BARS)	
	AC2	Access Code 2 (NARS)	
	SUM	Summary of Network Translations (allowed when REQ = PRT)	

Prompt	Response	Comment	Pack/Rel
TYPE		Type of data block	esn-1
	ALL	If REQ = PRT, all of the following types will be printed	
	HLOC	ESN Home Location Code translation data block (NARS only)	
	HNPA	Home NPA translation code (Should not be used on DPNSS1)	
	LOC	ESN Location Code translation data block (NARS only)	
	NPA	Numbering Plan Area code translation data block (Should not be used on DPNSS1)	
	NSCL	Network Speed Call List data block	
	NXX	Central Office Code Translation data block (Should not be used on DPNSS1)	
	SPN	Special code translation data block	
		Note: With ESN Location Code Expansion, the system allows printing of partial matches of translation codes. If a partial translation code is entered for HLOC, HNPA, LOC, NPA, NSCC, NXX, or SPN, all entries with initial match of the entered value are printed. For example, if LOC = 3, all Location Codes beginning with 3 are printed.	basic-4.0

LD 93: Multi-Tenant Service

Overlay program 93 is used to enable and administer the Multi-Tenant Service feature. It is used to configure or change assignments and print data for Attendant Console groups, Tenant-to-Tenant groups, Tenant-to-Route groups, Tenant-to-Attendant Console groups, and Route-to-Attendant Console groups.

Prompts and responses

Prompt	Response	Comment
REQ	aaa	Request (aaa = CHG, END, NEW, OUT, or PRT)
TYPE	a...a	Type of data block (a...a = ACG, CPG, CPGP, RACC, RACG, RCPG, TACC, TACG, TCPG, TENS, or TGEN)
CUST	xx	Customer number associated with this function
CPG	1-63	Console Presentation Group number
CPGS	(NO) YES	Customer Presentation Group Services
ROUT	0-511	Route number
TEN	1-511	Tenant number
MBGS	(0)-65535	Multi-location Business Group Subgroup
SGRP	(0)-999	Scheduled Access Restriction Group number
ECDN	x...x	External Call DN
ICDN	x...x	Internal Call DN
ICPS	aaa	Intercept Computer Printer Search [(CIR) or COM]
- ICPR	0-<NIPN>	Intercept Computer Printer number
ACC	aaaa	Access (aaaa = ALOW or DENY)
DENY	1-511 1-511	Access denied tenant numbers

ALOW	1-511 1-511	Access allowed tenant numbers
AGNO	0-63	Attendant Console Group Number
NTBL	(0)-63	NAS routing Table
ANUM	1-63 1-63	Add Attendant Console Numbers
NAGN	0-63	Night Attendant Console Group Number
LDN0	x...x	Listed DN 0
LDN1	x...x	Listed DN 1
LDN2	x...x	Listed DN 2
LDN3	x...x	Listed DN 3
LDN4	x...x	Listed DN 4
LDN5	x...x	Listed DN 5
NIT1	x...x	First Night Service by Time of Day (NTOD) DN
TIM1	hh mm	Time for first NTOD DN
NIT2	x...x	Second NTOD DN
TIM2	hh mm	Time for second NTOD DN
NIT3	x...x	Third NTOD DN
TIM3	hh mm	Time for third NTOD DN
NIT4	x...x	Fourth NTOD DN
TIM4	hh mm	Time for fourth NTOD DN
ICI	xx aaa	Incoming Call Indicators (ICI)
AQTT	0-(30)-255	Attendant Queuing Threshold
AODN	xxxx	Attendant Overflow DN
CWCL	(0)-255 (0)-255	Call Waiting Call Limit
CWTM	(0)-511 (0)-511	Call Waiting Time
CWBZ	(NO) YES	Call Waiting Buzz
EFLL	(0)-8064	Efficiency Factor Loading Level
FRRT	0-511	First RAN Route number
- FRT	0-(20)-2044	First RAN Time threshold
SRRT	0-511	Second RAN Route number
- SRT	0-(20)-2044	Second RAN Time threshold
WAIT	aaa	Wait time treatment (aaa = (RGB), MUS, or SIL)
- MURT	0-511	Music Route number if WAIT = MUS
RICI	(NO) xx	Recorded overflow announcement on ICI keys

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
ACC		Access	tens-7
	DENY	Denied tenants are to be entered. Sets with TEND Class of Service can access all routes. Sets with TENA can only access routes if tenant to route access is allowed for that set's tenant. When REQ = PRT, print access denied tenants.	
	ALOW	Allowed tenants are to be entered. Sets with TEND Class of Service can access all routes. Sets with TENA can only access routes if tenant to route access is allowed for that set's tenant. When REQ = PRT, print access allowed tenants.	
AGNO	0-63	Attendant Console Group Number AGNO 0 always exists and contains all Attendant Consoles that are configured for the customer. AGNO is initially specified for all tenants. When TYPE = CPG, AGNO cannot be zero.	tens-7
ALOW	1-511 1-511 ALL <CR>	Access allowed tenant numbers Prompted when ACC = ALOW. Access allowed all tenants Stop ALOW prompt.	tens-7
ANUM	1-63 1-63 <CR>	Add Attendant Console Numbers. Stop prompt. Precede with X to remove.	tens-7
AODN	xxxx	Attendant Overflow DN Precede with X to remove.	aop/ cpg-15
AQTT	0-(30)-255	Attendant Queuing Threshold	aop/ cpg-15
CPG	1-63	Console Presentation Group number Use <CR> to print all configured CPG data blocks for the customer.	cpg-15

Prompt	Response	Comment	Pack/Rel
CPGS	(NO) YES	Disable Customer Presentation Group level Services Enable Customer Presentation Group level Services Prompted with Console Presentation Group (CPG) package 172.	cpg-15
CUST	xx <CR>	Customer number associated with this function as defined in LD 15 Print specified data for all customers when REQ = PRT	tens-7
CWBZ	(NO) YES (NO) YES	Call Waiting Buzz First field: Provide 2 second buzz on exceeding upper CWCL or CWTM threshold. Second field: Buzz on first call entering queue.	cpg-15
CWCL	(0)-255 (0)-255	Lower and upper thresholds for Call Waiting Call Limit The call waiting lamp starts flashing when number of calls in the queue meets or exceeds the upper threshold. The lamp continues to flash until the number of calls in queue is less than the lower threshold. Enter 0 0 to disable this feature.	cpg-15
	(0)-1000 (0)-1000	Lower and upper thresholds defined as a percentage of the active consoles when OPT = FACA in LD 15. When the FACA/FACD option is changed in LD 15, a new value for CWCL must be set or the default values are used. The CWCL values for the tenant-level are set equal to the customer-level values. (CWCL is also given in LD 15).	
CWTM	(0)-511 (0)-511	Lower and upper thresholds (in seconds) for Call Waiting Time The Call Waiting lamp starts flashing when the call in the queue meets or exceeds the upper threshold. The lamp continues to flash until the wait time is less than the lower threshold. Enter 0 0 to disable this feature.	cpg-15

Prompt	Response	Comment	Pack/Rel
DENY	1-511 1-511 ALL <CR>	Access denied tenant numbers Prompted when ACC = DENY. Access denied all other tenants Stop DENY prompt.	tens-7
ECDN	x...x	External Call DN, where: • x...x = up to 13 digits DN used for intercept transfer when the FDN and multi-tenant is not on intercept position. The DN is used for intercept treatment for external calls. Prompted with Intercept Computer Interface (ICP) package 143.	icp-16
EFLL	(0)-8064	Efficiency Factor Loading Level Prompted with Network Attendant Service (NAS) package 159.	nas-18
FRRT	0-511	First RAN Route number Precede with X to remove.	roa/cpg-15
FRT	0-(20)-2044	First RAN Time threshold	roa/cpg-15
ICDN	xxxx	Internal Call DN, where: • x...x = up to 13 digits DN used for intercept transfer when the FDN and multi-tenant is not on intercept position. The DN is used for intercept treatment for internal calls.	

Prompt	Response	Comment	Pack/Rel
ICI	xx aaa	Incoming Call Indicators (ICI). Where: • xx = key number (0-19) • aaa = Call type aaa may be any of the following: • CAx = Station Category (x = 1-7) • CFB = Call Forward Busy • CFN = Call Forward No Answer • DF0 = Dial 0 Fully Restricted • DL0 = Dial 0 • IAT = Inter-Attendant call • IEN = Idle Extension Notification • INT = Intercept • LCT = Lockout intercept • LD0 = Listed DN 0 • LD1 = Listed DN 1 • LD2 = Listed DN 2 • LD3 = Listed DN 3 • LD4 = Listed DN 4 • LD5 = Listed DN 5 • MWC = Message Waiting Calls • NUL = remove ICI appearances • RLL = Recall • Rxxx Rxxx = Routes (0-511). Enter one or more routes.	cpg-20
ICPR	0-<NIPN>	Intercept Computer Printer number NIPN is defined in LD 15. Prompted when ICPS = COM.	icp-10
ICPS		Intercept Computer Printer Search (when more than one console is used)	icp-10
	(CIR)	Circular search	
	COM	One common printer for all consoles	
LDN0	xxxx	Listed DN 0 Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Precede with X to remove.	cpg-15

Prompt	Response	Comment	Pack/Rel
LDN1	xxxx	Listed DN 1 Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Precede with X to remove.	cpg-15
LDN2	xxxx	Listed DN 2 Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Precede with X to remove.	cpg-15
LDN3	xxxx	Listed DN 3 Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Precede with X to remove.	cpg-15
LDN4	xxxx	Listed DN 4 Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Precede with X to remove.	nldn-20
LDN5	xxxx	Listed DN 5 Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Precede with X to remove.	nldn-20
MBGS	(0)-65535	Multi-location Business Group Subgroup for tenant. Where: • 0 = no indication • 1-65535 = Subgroup (tenant) identifier As with the ISDN Private Network Identifier (PNI), the entries to this prompt must be coordinated with the far-end to ensure all features function correctly within a network.	tens-16
MURT	0-511	Music Route number if WAIT = MUS Precede with X to remove.	roa/ cpg-15
NAGN	0-63	Night Attendant Console Group Number	

Prompt	Response	Comment	Pack/Rel
NIT1	xxxx	First Night Service by Time of Day (NTOD) DN DN can be defined as a PLDN Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Precede with X to remove.	cpg-15
NIT2	xxxx	Second NTOD DN DN can be defined as a PLDN Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Precede with X to remove.	cpg-15
NIT3	xxxx	Third NTOD DN DN can be defined as a PLDN Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Precede with X to remove.	cpg-15
NIT4	xxxx	Fourth NTOD DN DN can be defined as a PLDN Up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Precede with X to remove.	cpg-15
NTBL	(0)-63	NAS routing Table to be used for calls directed to this Attendant Console Group (ACG)/Console Presentation Group (CPG).	nas-16
REQ		Request	tens-7
	CHG	Change existing data block
	END	Exit Overlay program
	NEW	Create the Multi-Tenant Service data block. If REQ = NEW and <CR> is entered for all prompts, then all parameters default to the customer data block (LD 15) values except LDN0-3, ICI, RICI and AQTT.
	OUT	Remove the Multi-Tenant Service data block.
	PRT	Print the data block specified by TYPE.
RICI	(NO) xx ... xx	Recorded overflow announcement on ICI keys 0-19 Precede with X to remove.	roa/ cpg-15

Prompt	Response	Comment	Pack/Rel
ROUT	0-511 <CR>	Route number Print all routes for the specified type when REQ = PRT.	tens-7
SGRP	(0)-999	Scheduled Access Restriction Group number. Prompted when TYPE = TGEN	sar-20
SRRT	0-511	Second RAN Route number Precede with X to remove.	roa/ cpg-15
SRT	0-(20)-2044	Second RAN Time threshold	roa/ cpg-15
TEN	1-511 <CR>	Tenant number Print specified data for all tenants of CUST when REQ = PRT.	tens-7
TIM1	hh mm	Time for first NTOD DN. Where: • hh = 0-23 • mm = 0-59	cpg-15
TIM2	hh mm	Time for second NTOD DN	cpg-15
TIM3	hh mm	Time for third NTOD DN	cpg-15
TIM4	hh mm	Time for fourth NTOD DN	cpg-15
TYPE		Type of data block	tens-7
	CPG	Console Presentation Group data block. If REQ = NEW and <CR> is entered for all prompts, then all parameters default to the customer data block (LD 15) values except LDN0-LDN3, ICI, and RICI which are cleared. Use <CR> to print all configured CPG data blocks for the customer.	
	CPGP	Console Presentation Group level parameters	
	RACC	Tenant-to-Route Access data block	
	RCPG	Route-to-Attendant Presentation Group data block	
	TACC	Tenant-to-Tenant Access data block	
	TCPG	Tenant-to-Attendant Console Group data block	

Prompt	Response	Comment	Pack/Rel
	TENS	Multi-Tenant Service data block	
	TGEN	Tenant SAR data block	
WAIT		Wait time treatment	roa/ cpg -15
	(RGB)	Ring Back	
	MUS	Music	
	SIL	Silence	

LD 94: Multifrequency Signaling

Overlay program 94 allows the implementation and administration of R2 and L1 Multifrequency Compelled Signaling (MFC) and Multifrequency Signaling for Socotel (MFE) tables.

Contents

Prompts and responses

Prompt	Response	Comment
REQ	aaa	Request (aaa = CHG, END, NEW, OUT, or PRT)
TYPE	aaaa	Type of data block (aaaa = L1MF, MFET, MFK5, MFK6, R2MF or R2MFC)
ICOG	aaa	Incoming/Outgoing (aaa = ICT or OGT)
MAXT	(1)-127	Maximum Number of Tables
TBNO	1-127 <CR>	Table Number
CACD	(NO) YES	Category Code Default
- SET	(1)-10	Set category code
- ATT	(1)-10	Attendant category code
- TIE	1-(6)-10	TIE category code
- NTT	1-(6)-10	Non-TIE category code
EECD	1-127 <CR>	End-to-End Signaling Code
SMFC	(NO) YES	Send MFC
SCNT	(NO) YES	Switch CNI on Next
CNDR	(NO) YES	Calling Number Display Restriction
LVNO	1-6	Level Number
DFLT	0-127	Default Table number
RECV	1-15 mmmm	Receive signal number and mnemonic (MFC or, MFE, MFK5 or MFK6)
	1-15 NUL	Remove signal number and mnemonic (MFC or, MFE, MFK5 or MFK6)
XMIT	mmmm 1-15	Transmit signal mnemonic and number (MFC, MFE or MFK)
	mmmm 0	Remove signal mnemonic and number (MFC, MFE or MFK)
	IDCT n	Idle Call Trace Signal number

Table 15
MFC DID/TIE signal functions: Incoming and outgoing route tables

Group	Function mnemonic	Description of mnemonic
Forward Level 1 Group I	DGT1 -	Digit 1 -
	DGT9	Digit 9
	DGT0	Digit 0
	HTDM	H tandem signal. Sent before the called party DN if DN is in the Special Service List (SSL). The International Supplementary Features (SUPP) package 131 must be equipped.
	ECNI	CNI (Calling Number Identification) not available
	EODL	End of Dialing End of CPN (Calling Party Number) Request not accepted.
Backward Level 1 Group A	CCNI	Send category. Send first CNI digit. Send next CNI digit.
	COMP	Address Complete, next group
	CONG	Congestion
	FAIL	Call Failure
	NEXT	Send Next digit (fixed value)
	SCAT	Send Category
	SCNI	Send first CNI digit; send next CNI digit
	TERM	Terminated
	TFST *	Tandem, send first digit
	TNM1 *	Send last but one digit
	TNM2 *	Send last but two digits
	TNM3 *	Send last but three digits
	TNXT *	Tandem, send next digit

Group	Function mnemonic	Description of mnemonic
	VACO *	Vacant Office
Forward Level 2 Group II	OPER	Operator/attendant
	NOPR	Subscriber No Priority
	PRIO *	Subscriber with Priority
	REST	Restricted Station
	RICA *	Route Incoming Call to Attendant
	TOBI *	Toll Operator Break-In
	TOLL	Toll call
Backward Level 2 Group B	BUBA **	Busy (break in allowed after TOBI)
	BUBN **	Busy (break in not allowed after TOBI)
	BUSY	Station Busy
	CONG	Congestion
	FAIL	Failure
	IDCT	Idle Call Trace
	IDLE	Station Idle
	OUTT	Station Out-of-Order
	VACC	Vacant number

* Function will not be transmitted (Receive only)

** Function will not be received (Transmit only)

Note: Signal numbers not listed in Table 15 default to NUL (no assigned function).

Table 16
MFC DID/TIE default (standard) incoming table

Group	Signal number	Function mnemonic
Receive Level 1 Group I	1 -	DGT1 -
	9	DGT9
	10	DGT0
	11	11 ASTX (CNDR)
	12	ECNI
	12	12 DPAL (CNDR)
	13	13 POND (CNDR)
	15	EODL
	15	15 DPDN (CNDR)
Transmit Level 1 Group A	1	NEXT
	3	COMP
	4	CONG
	5	SCAT
	6	TERM
	9	SCNI
	11	ASTX 11 (CNDR)
	12	DPAL 12 (CNDR)
	13	POND 13 (CNDR)
	15	FAIL
	15	DPDN 15 (CNDR)
Receive Level 2 Group II	1	NOPR
	2	PRIO
	3	NOPR
	5	OPER
	6	NOPR
	7	REST
	8	NOPR
	9	PRIO
	10	OPER
	11	NOPR
	12	NOPR
	13	NOPR

Group	Signal number	Function mnemonic
Transmit Level 2 Group B	2	IDLE
	3	BUSY
	4	CONG
	5	VACC
	8	OUTT
	9	FAIL

Note: Signal numbers not listed in Table 16 default to NUL (no assigned function.)

Table 17
MFC DID/TIE default (standard) outgoing table

Group	Signal number	Function mnemonic
Transmit Level 1 Group I	1 -	DGT1 -
	9	DGT9
	10	DGT0
	12	ECNI
	15	EODL
Receive Level 1 Group A	1	NEXT
	2	TNM1
	3	COMP
	4	CONG
	5	SCAT
	6	TERM
	7	TMN2
	8	TNM3
	9	SCNI
	10	TFST
	11	TNXT
	15	FAIL
Transmit Level 2 Group II; Receive Level 2 Group B		
	1	NOPR
	5	OPER
	7	REST
	2	IDLE
	3	BUSY
	4	CONG
	5	VACC
	8	OUTT
	9	FAIL

Note 1: In Table 18, for incoming tables the signals which are received are forwarded signals, MFE tables have no Level 2 forward signals. Level 1 values for function xxxx range from DGT0 to DGT9 (Digits 0 - 9).

Note 2: Multiple function assignment allowed (same function to different signals).

Note 3: Signals transmitted in the case of incoming tables, are backward signals.

Table 18
MFE signal functions: Incoming and outgoing route tables

Group I	Function mnemonic	Description of mnemonic
Forward Level 1	DGT1-9	Digits 1-9
	DGT0	Digit 0
	ACOC	Access code for a call to other installation
	ACSS	Access code for a call to special services
Backward Level 1	SACD	Send Access Code and Digits
	SEND	Send remaining digits (plus last digits if preceded by TRAN)
	COMP	Address Complete, change to Level 2 congestion
	TRAN	Transit connection
	FAIL	Failure, new attempt
	CONG	Congestion
Backward: Level 2	IDLE	Station Idle, charge call
	BUSY	Station Busy
	CONG	Congestion
	OUTT	Out-of-Order
	VACC	Vacant number

Table 19
MFE DID default incoming table

Group I	Signal number	Function mnemonic
Receive Level 1	1-9	DGT1-DGT9
	10	DGT0
Transmit Level 1	2	SEND
	3	COMP
	-	CONG
Transmit Level 2	1	IDLE
	3	BUSY
	3	CONG
	3	OUTT
	3	VACC

Table 20
MFE DOD default outgoing table

Group I	Signal number	Function mnemonic
Transmit Level 1	1-9	DGT1-DGT9
	10	DGT0
	1	ACOC
	5	ACSS
Receive Level 1	1	SACD
	2	SEND
	3	COMP
	6	TRAN
	8	FAIL
	9	CONG
Receive Level 2	1	IDLE
	2	IDLE
	3	BUSY
	4	IDLE
	5	IDLE
	6	IDLE
	7	BUSY
	8	BUSY
	9	BUSY
	10	BUSY

Table 21
2 of 5 MFK signal functions ; Incoming and outgoing route tables

Group	Function mnemonic	Description of mnemonic
Forward Group I	DGT0-9	Digits 0-9
Forward Group II	LOCB	Regular subscriber
	SERB	Special Services inside the province
	NATB	National
	INTB	International
Backward Code A	GRPA	Send Group a digits
	CCAL	Send Class of Call
	GRBC	Send Group bc digits
	SALL	Send All the digits
	GRPC	Send Group c digits
	COMP	Change to code “b”
	CONG	Congestion
Backward Code B	FMTR	Subscriber free with Metering
	CONG	Congestion
	BUSY	Subscriber Busy
	OUTT	Line dead
	EOSL	End of Selection without line state reached

Table 22
2 of 6 MFK signal functions ; Incoming and outgoing route tables

Group	Function mnemonic	Description of mnemonic
Forward Group I	DGT0-15	Digits 0-15
Forward Group II	LOCB	Provincial-regular subscriber (charging by block)
	LOCL	Provincial-regular subscriber (charging by line)
	NATB	National-regular subscriber (charging by block)
	NATL	National-regular subscriber (charging by line)
	INTB	International-regular subscriber (charging by block)
	INTL	International-regular subscriber (charging by line)
	SERB	Special services (charging by block)
	SERL	Special services (charging by line)
Backward Code A	GRBC	Send Group BC digits
	SALL	Send All the digits
	SORG	Send Origination subscribers number - All Digits
	CCAL	Send Class of Call
	CONG	Congestion
	COMP	Change to code “B”
Backward Code B	FMTR	Subscriber free with Metering
	CONG	Congestion
	BUSY	Subscriber Busy
	OUTT	Line dead
	EOSL	End of Selection without line state reached

Table 23
Programmable signals for all 6 L1 signaling levels

Group	Function mnemonic	Description of mnemonic
Forward Level 1	DGT1 -	Digit 1 -
	DGT9	Digit 9
	DGT0	Digit 0
	UREJ	Level 1 signal rejected (Abort call)
	GOEN	Change to a Supplementary Service (SS) level. New level is Level 6 when terminator has a Backward Supplementary Service (BSS). Otherwise, the new level is Level 5.
	EODL	End of Dialing. No more digits to send. Aborts call when no digits have been received.
Backward Level 1	NEXT	Send Next digit in destination address
	TNFS	Tandem encountered. Send digits again starting from the first digit.
	COMP	Address Complete (Terminate signaling)
	FAIL	Call Failure (Abort call)
	SCAT	Send calling party category (always rejected)
	TERM	Address complete (Terminate signaling)
	CONG	Congestion (Abort call)
	EINF	Request change from Level 1 to Level 6 for BSS activity. Enhanced signal set is implied.
	ELV2	Address complete. Change to Level 2. Signaling will also use Level 3 or higher.
	ENO1	Request next digit in destination address. Implies using at least Level 3 signaling.
	TNTX	Tandem encountered (Send next digit)

Group	Function mnemonic	Description of mnemonic
Forward Level 2	OLNE	Originator is a subscriber without priority
	OPER	Originator is an attendant
	NETW	Network call for Ring Again (RGA). Call is not intended for termination at a station.
	LSIG*	Restricted circuit
Backward Level 2	BUSY	Destination is busy
	FAIL	Call has failed. Abort.
	VCOT	Call has terminated on a vacant DN
	IDLE	Destination is idle
	CONG	Congestion (Abort call)
	SOTI	State of Termination undetermined
Forward Level 3	SIIN	Simple call (No restrictions)
	SUPL	Request a Forward Supplementary Service (FSS)
	NOSS	No further SS activity
Backward Level 3	TERM	Call complete (Terminate signaling)
	FAIL	Call has failed (Abort)
	SUPL	Request BSS activity
	SCNI**	Request Call Number Indicator (CNI)
	NEXT	Send FSS digit
Forward Level 4	DGT1 -	CNI digit 1 -
	DGT9	CNI digit 9
	DGT0	CNI digit 0
	LFSS	Change to Level 1 when CNI is complete.
	EODG	No more CNI digits.

Group	Function mnemonic	Description of mnemonic
Backward Level 4	DGT1 -	CNI digit 1 -
	DGT9	CNI digit 9
	DGT0	CNI digit 0
	KEND	Changing to Level 6. Preceded by a LFSS signal.
	NEXT	Send next CNI digit
Forward Level 5 and Backward Level 6		
	DGT1	FSS digit 1
	DGT2	FSS digit 2
	DGT3*	FSS digit 3
	DGT4**	FSS Digit 4
	DGT5**	FSS Digit 5
	DGT6*	FSS Digit 6
	DGT7*	FSS Digit 7
	DGT8*	FSS Digit 8
	DGT9*	FSS Digit 9
	DGT10*	FSS Digit 10
	DGT11**	FSS Digit 11
	DGT12**	FSS Digit 12
	DGT13*	FSS Digit 13
	DGT14*	FSS Digit 14
	DGT15*	FSS Digit 15
Backward Level 5 and Forward Level 6		
	KEND	SS successful (Terminate signaling)
	FEND	SS failed (Terminate signaling)
	KMFC	SS successful (Signaling continues at a slower rate)

Group	Function mnemonic	Description of mnemonic
	FMFC	SS failed (Signaling continues at a slower rate)
	NEXT	Request next SS digit

* Function will not be transmitted (Receive only)

** Used for Ring Again (RGA)

Table 24
MFC default (standard) incoming tables for L1 signaling

This table indicates the default signal tables for L1 signaling. The transmit sets indicate only those signals that can be sent. The receive sets must have duplicate signals in order to be able to accept signals that must be mapped to another signal for processing.

Group	Signal number	Function mnemonic
Receive Level 1 Group I	1 -	DGT1 -
	9	DGT9
	10	DGT0
	12	UREJ
	13	GOEN
	15	EODL
Transmit Level 1 Group A	1	NEXT
	2	TNFS
	3	COMP
	4	FAIL
	5	SCAT
	6	TERM

Group	Signal number	Function mnemonic
	9	CONG
	10	EINF
	11	ELV2
	12	ENOI
	14	TNXT
Receive Level 2 Group II	1	OLNE
	2	LSIG
	4	OLNE
	5	OPER
	7	OPER
	8	OPER
	9	OPER
	10	NETW*
	11	OLNE
	12	UREJ
	13	OLNE
Transmit Level 2 Group B	3	BUSY
	4	FAIL
	5	VCOT
	6	IDLE
	9	CONG
	14	SOTI
Receive Level 3 Group III	1	SIIN
	2	SIIN
	3	SIIN

Group	Signal number	Function mnemonic
	4	SIIN
	5	SUPL
	6	SUPL
	7	SUPL
	8	SUPL
	9	SIIN
	10	SIIN
	11	SUPL
	12	SUPL
	15	NOSS
Transmit Level 3 Group C	1	TERM
	4	FAIL
	8	SUPL
	9	SCNI*
	15	NEXT
Receive Level 4 Group IV	1 -	DGT1 -
	9	DGT9
	10	DGT0
	11	LFSS
	15	EODG
Transmit Level 4 Group D	1 -	DGT1 -
	9	DGT9
	10	DGT0
	11	KEND
	15	NEXT

Group	Signal number	Function mnemonic
Receive Level 5 Group V	1 -	DGT1 -
	9	DGT9
	10 -	DG10 -
	15	DG15
Transmit Level 5 Group E	11	KEND
	12	FEND
	13	KMFC
	14	FMFC
	15	NEXT
Receive Level 6 Group VI	11	KEND
	12	FEND
	13	KMFC
	14	FMFC
	15	NEXT
Transmit Level 6 Group F	1	DGT1
	2	DGT2
	4	DGT4
	13	DG13

* Not included unless Ring Again (RGA) is included for L1 signaling.

Table 25
MFC default (standard) outgoing tables for L1 signaling

This table indicates the default signal tables for L1 signaling. The transmit sets indicate only those signals that can be sent. The receive sets must have duplicate signals in order to be able to accept signals that must be mapped to another signal for processing.

Group	Signal number	Function mnemonic
Transmit Level 1 Group I	1 -	DGT1 -
	9	DGT9
	10	DGT0
	12	UREJ
	13	GOEN
	15	EODL
Receive Level 1 Group A	1	NEXT
	2	TNFS
	3	COMP
	4	FAIL
	5	SCAT
	6	TERM
	7	RUID
	8	ALFS
	9	CONG
	10	EINF
	11	ELV2
	12	ENOI
	13	PSNX
	14	TNXT

Group	Signal number	Function mnemonic
Transmit Level 2 Group II	1	OLNE
	2	LSIG
	5	OPER
	10	NETW*
Receive Level 2 Group B	3	BUSY
	4	FAIL
	5	VCOT
	6	IDLE
	9	CONG
	10	BUSY
	11	IDLE
	12	BUSY
	13	IDLE
	14	SOTI
Transmit Level 3 Group III; Receive Level 3 Group C		
	1	SIIN
	5	SUPL
	15	NOSS
	1	TERM
	2	TERM
	3	TERM
	4	FAIL
	5	TERM
	7	SUPL
	8	SUPL
	9	SCNI*
	10	SUPL

Group	Signal number	Function mnemonic
	11	SCNI*
	12	SCNI*
	13	SUPL
	14	SCNI*
	15	NEXT
Transmit Level 4 Group IV	1 -	DGT 1 -
	9	DGT9
	10	DGT0
	11	LFSS
	15	EODG
Receive Level 4 Group D	1 -	DGT 1 -
	9	DGT9
	10	DGT0
	11	KEND
	15	NEXT
Transmit Level 5 Group V	1 -	DGT1 -
	3	DGT3
	4	DGT4*
	5	DGT5*
	6 -	DGT6 -
	9	DGT9
	10	DGT0
	11	DG11*
	12	DG12*

Group	Signal number	Function mnemonic
Receive Level 5 Group E	11	KEND
	12	FEND
	13	KMFC
	14	FMFC
	15	NEXT
Transmit Level 6 Group VI	11	KEND
	12	FEND
	13	KMFC
	14	FMFC
	15	NEXT
Receive Level 6 Group F	1 -	DGT 1 -
	9	DGT9
	10	DGT0
	11 -	DG11 -
	15	DG15

* Not included unless Ring Again (RGA) is included for L1 signaling.

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
ATT	(1)-10	Attendant category code Category code for attendants	mfc-10
CACD	(NO) YES	Category Code Default Change category code default. Prompted when TYPE = R2MF	opcb-14
CNDR	(NO) YES	Calling Number Display Restriction Set the table for CNDR CLID feature	basic-24
DFLT	0-127	Default table number	mfc-10
EECD	1-127 <CR>	End-to-End Signaling code Default to TBNO response when REQ = NEW otherwise leave TBNO as assigned.	mfc-18
ICOG	 ICT OGT	Incoming/Outgoing Incoming table Outgoing table	mfc-10
LVNO	1-6	Level Number • 1-2 for TYPE = R2MF, MFK5, MFK6 • 1-6 for TYPE = L1MF Precede with X to remove.	mfc-10
MAXT	(1)-127	Maximum number of Tables Prompted when REQ = NEW	mfc-10
NTT	1-(6)-10	Non-TIE category code Category code for non-TIE trunks	mfc-14

Prompt	Response	Comment	Pack/Rel
RECV	1-15 mmmm	Receive signal number and mnemonic (MFC or, MFE, MFK5 or MFK6) Signal number range is: • 1 - 10 if TYPE = MFK5 • 1 - 15 if TYPE = MFK6	mfc-10
	1-15 NUL	Remove signal number and associated function mnemonic.	
	<CR>	Stop RECV prompts Refer to Tables 15 through 25 for function mnemonics.	
REQ		Request	mfc-10
	CHG	Change existing data.	
	END	Exit Overlay program.	
	NEW	Add new data to the system.	
	OUT	Remove data block.	
	PRT	Print data.	
SCNT		Switch CNI on Next.	mfc-18
	(NO)	When the NEXT signal is received during CNI transmission on Level 1, the system will continue with sending the calling number.	
	YES	When the NEXT signal is received during CNI transmission on Level 1, the system will switch to called number and then send the next called number digit.	
SET	(1)-10	Set category code. Category code for SL-1 and 500/2500 sets.	mfc-10
SMFC		Send MFC	mfc-18
	(NO)	Backward signals are stopped when the forward signal is recognized as having stopped.	
	YES	Backward signals are sent (incoming calls) pulsed for 150 ms or received (outgoing calls) pulsed 150 ms +/- 20%.	
TBNO		Table Number	mfc-10
	1-127	MFC or, MFE, MFK5 or MFK6 table number	
	<CR>	Print all MFC, MFE, MFK5 or MFK6 tables.	
TIE	1-(6)-10	TIE category code Category code for TIE trunks	mfc-10

Prompt	Response	Comment	Pack/Rel
TYPE		Type of data block.	mfc-10
	L1MF	L1 MFC data block Must have X08 to X11 Gateway (L1MF) package 188.	
	MFET	MFE data block	
	MFK5	2/5 Spanish KD3 MF Signaling	
	MFK6	2/6 Spanish KD3 MF Signaling	
	R2MF	R2 MFC data block	
XMIT	mmmm 1-15	Transmit signal mnemonic and number (MFC, MFE or MFK) • 1 - 10 if TYPE = MFK5 • 1 - 15 if TYPE = MFK6	mfe-10
	mmmm 0	Remove function mnemonic mmmm and associated signal number Any undesired function in the default transmit tables should not be removed, but instead assigned a different signal number. LNVO is prompted following a null entry for XMIT. If nothing is entered in response to LVNO then, provided that there is a level one, the table is stored.	
	IDCT n	Idle Call Trace signal number (Default is the same as the IDLE signal) Where: n = signal number and 0 = close	
	<CR>	Stop XMIT prompts. Refer to Tables 18 through 28 for the function mnemonics.	

LD 95: Call Party Name Display

Overlay program 95 is used to define, change, remove or print information for the Call Party Name Display (CPND) data block and name assignment, on a per customer basis.

Prompts and responses

Contents

Create or Change Calling Party Name Display (CPND)

Prompt	Response	Comment
REQ	aaa	Req = NEW or CHG
TYPE	CPND	Type = CPND (Calling Party Name Display)
CUST	xx	Customer number associated with this function
CNFG	aaaa	Configuration (aaaa = (ALON), REMO, or LOCL)
MXLN	5-(17)-27	Maximum Length
STAL	(NO) YES	Static Allocation of name storage
- DFLN	5-(13)-27	Default Length
DES	(NO) YES	Designator for Multiple Appearance DNs allowed
RESN	(NO) YES	Display of Reason for redirecting calls allowed
- CFWD	(F) aaaa	Mnemonic for Call Forward All Calls display
- CFNA	(N) aaaa	Mnemonic for Call Forward No Answer display
- HUNT	(B) aaaa	Mnemonic for Call Forward No Answer display
- NITC	(NI) aaaa	Mnemonic for Call Forward Non Intercom Call
- PKUP	(P) aaaa	Mnemonic for Call Pickup display
- XFER	(T) aaaa	Mnemonic for Call Transfer display
- AAA	(A) aaaa	Mnemonic for Attendant Alternative Answering display

Add Calling Party Name Display name

Prompt	Response	Comment
REQ	NEW	Req = NEW
TYPE	NAME	Type = NAME (CPND Name)
CUST	xx	Customer number associated with this function
CPND_LANG	aaa	CPND Language (aaa = (ROM) or KAT)
DIG	0-253 0-99	Dial Intercom Group
- LANG	aaa	Language (aaa = (ROM), KAT, or ALL)
- NAME	a...a	CPND Name in ASCII characters
- XPLN	xx	Expected Length
DISPLAY_FMT	aaaa	Display Format (aaaa = (LAST) or FIRST)
DN	x...x	Directory Number

- LANG	aaa	Language (aaa = (ROM), KAT, or ALL)
- NAME	a...a	CPND Name in ASCII characters
- XPLN	xx	Expected Length
DCNO	0-254	Digit Conversion table Number
- IDC	0-254	Incoming DID Digit Conversion number
- NAME	a...a	CPND Name in ASCII characters

Change Calling Party Name Display name

Prompt	Response	Comment
REQ	CHG	Req = CHG
TYPE	NAME	Type = NAME (CPND Name)
CUST	xx	Customer number associated with this function
CPND_LANG	aaa	CPND Language (aaa = (ROM) or KAT)
DIG	0-253 0-99	Dial Intercom Group
- NAME	a...a	CPND Name using ASCII characters
- DN	x...x	Directory Number
- NAME	a...a	CPND Name in ASCII characters
DCNO	0-254	Digit Conversion table Number
- IDC	0-254	Incoming DID Digit Conversion number
- NAME	a...a	CPND Name in ASCII characters

Remove Calling Party Name Display name

Prompt	Response	Comment
REQ	OUT	Req = OUT
TYPE	NAME	Type = NAME (CPND Name)
CUST	xx	Customer number associated with this function
CPND_LANG	aaa	CPND Language (aaa = (ROM) or KAT)
DIG	0-253 0-99	Dial Intercom Group

DN	x...x	Remove Directory Number x...x
	x...x y...y	Remove range of DN-defined names
	ALL	Remove all DN-defined names
DCNO	0-254	Digit Conversion table Number
- IDC	0-254	Incoming DID Digit Conversion number
ARE YOU SURE?	(YES) NO	(Confirm) or remove operation

Print Calling Party Name Display data and names

Prompt	Response	Comment
REQ	PRT	Req = PRT
TYPE	NAME	Type = NAME (CPND Name)
CUST	xx	Customer number associated with this function
CPND_LANG	aaa	CPND Language (aaa = (ROM) or KAT)
LANG	aaa	Language choice for name display (aaa = ROM or KAT)
PAGE	(NO) YES	Page headers and numbers printed (or not) if the Multiple DN/DIG is specified.
DIG	0-2045 0-99	Dial Intercom Group
SHRT	(NO YES	Short form
- DN	x...x	Print single Directory Number x...x
	x...x y...y	Print range of Directory Numbers
	x/xx/xxx	Print all DNs starting with x, xx, or xxx
	ALL	Print all DNs
SHRT	(NO) YES	Short form
DCNO	0-254	Digit Conversion table Number
- IDC	nnn	Incoming DID Digit Conversion number
	ALL	All names defined are printed
SHRT	(NO) YES	Short form

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
AAA	aaa	Attendant Alternative Answering display mnemonic Default = A	cpnd-10
ARE YOU SURE?	(YES) NO	(Confirm) or remove operation. The default response is YES.	cpnd-1
CFNA	xxxx	Call Forward No Answer display mnemonic Default = N	cpnd-10
CFWD	xxxx	Call Forward All Calls display mnemonic Default = F	cpnd-10
CNFG	(ALON) REMO LOCL	Configuration Standalone CPND configuration Interwork with a remote directory system Interwork with a local (inboard) system	cpnd-10
CPND_LANG	(ROM) KAT	CPND language. Prompted when FTR = CPND. Roman CPND language Katakana CPND language	cpnd-19
CUST	xx	Customer number associated with this function as defined in LD 15	cpnd-10
DCNO	0-254	Digit Conversion table Number	dnis-17
DES	(NO) YES	Designator for Multiple Appearance DNs allowed Prompted when ODAS is equipped.	odas-10
DFLN	5-(13)-27	Default character string Length Default to 13 or MXLN, whichever is less. Prompted when STAL = YES	cpnd-10
DIG	0-2045 0-99 <CR>	Existing Dial Intercom Group number followed by member number To prompt DN If CPND Name already exists, an error message is returned. Prompted when DIG is equipped.	di-10
DIG	gg mm	Existing Dial Intercom Group number followed by member number (optional), where:	di-10

Prompt	Response	Comment	Pack/Rel
		• gg = 0-2045 • mm = 0-99	
	gg	Existing DIG Group number Without member number specified, ALL members within this Group are printed.	
	ALL	Print all Dial Intercom Groups.	
	<CR>	Prompts DN	
DISPLAY_FMT		Display format for CPND name	cpnd-19
	(LAST)	Last name, First name (Doe, John)	
	FIRST	First name, Last name (John Doe)	
DN	xxxx	Directory Number (Existing eligible DN or Partial DN). The DN can be up to 4 digits, up to 7 digits with Directory Number Expansion (DNXP) package 150. Valid DN types are Single or Multiple line prime DN, trunk DN, attendant DN or ACD DN. If Partial DN, all possible DNs are printed.	cpnd-10
	x...x y...y	Range of DN-defined names are deleted/printed. This entry is valid when REQ = OUT/PRT.	
	ALL	All names defined are deleted/printed. ALL is a valid entry when REQ = OUT/PRT.	
	x/xx/xxx	DNs starting with x, xx, or xxx are printed. This entry is valid when REQ = PRT.	
	<CR>	To re-prompt DCNO If the CPND name is already defined, an error message is returned.	
HUNT	xxxx	Call Forward No Answer display mnemonic Default = B	cpnd-10
IDC	0-254	Incoming DID Digit Conversion number Existing complete or partial IDC number	dnis-17
	ALL	All Names defined	

Prompt	Response	Comment	Pack/Rel
LANG		Language choice for name for CPND screen and set display. Allowed only if REQ = OUT.	cpnd-16
	(ROM)	English display (Roman characters)	
	KAT	Non-English display (Katakana characters)	
	ALL	Remove ALL names from CPND data block for the DN or DIG selected.	
	<CR>	Roman (English) display	
MXLN	5-(17)-27	Maximum allowable CPND character string Length Once an MXLN is entered, it cannot be changed to a lower value via the CHG prompt.	cpnd-10
NAME	a...a	CPND Name using ASCII characters If STAL = YES, then Name size < XPLN If STAL = NO, then Name size = number of characters entered. DIG is reprompted.	cpnd-19
	<CR>	to DN prompt	
NITC	(NI) aaaa	Non intercom call NITC indicates that an intercom call terminated as a normal call.	
PAGE	(NO)	Page headers and numbers not printed if the Multiple DN/DIG is specified.	cpnd-10
	YES	Page headers and numbers printed if the Multiple DN/DIG is specified. Page headers (date and page number) are not printed if a single DN/DIG is specified.	
PKUP	xxxx	Call Pickup display mnemonic. Default = P.	cpnd-10
REQ		Request.	cpnd-10
	CHG	Change existing data block	
	END	Exit Overlay program	
	NEW	Create CPND data blocks and/or name strings	
	OUT	Remove existing name or data block	
	PRT	Print an existing Name or data block from the data base	
RESN	(NO) YES	Display of Reason for redirecting calls allowed	cpnd-19

Prompt	Response	Comment	Pack/Rel
SHRT	(NO) YES	Prints one DN or IDC per single line. (long form) Prints several DNs or IDCs on a single line. (one-line form) Prompted when DN = ALL, Range or Partial DN to be specified.	cpnd-10
STAL	(NO) YES	Static Allocation of Name storage In a Hotel/Motel environment with Background Terminal facilities, STAL must be YES. STAL = YES is recommended whenever CPND Names change frequently, for efficient use of available memory (i.e., when a guest checks in).	cpnd-10
TYPE	 CPND NAME	Type of data block CPND data block CPND Name data block Allowed only if CPND data block is already defined.	cpnd-10
XFER	xxxx	Call Transfer display mnemonic Mnemonic for call transfer display in Network Call Redirection (NCRD). One to four characters are accepted. Default = T. Prompted if ISDN = YES in LD 15	ncrd-16
XPLN	xx	Expected Length Range must be between the Input Name length and the MXLN, or it default to DFLN. This value should be set to a sufficient length to allow for current and future names to be entered. When REQ = NEW, the XPLN prompt defines the maximum name length for that particular entry. The XPLN for a DN cannot be changed without deleting that name entry.	cpnd-10
	<CR>	This sets the XPLN to the input length, or DFLN whichever is greater. Re-prompts DIG. Prompted when STAL = YES	

LD 97: Configuration Record 2

Overlay program 97 is used to specify several system parameters for XPE and other related equipment. These parameters include the minimum flash timing to download to the XPE packs when required.

Loss and Level Plan information may also be specified. Refer to *Transmision Parameters* (553-3001-182) for information regarding Loss and Level Plans prior to making any changes to the parameters defined in this Overlay.

Prompts and responses

Contents

BTD: Busy Tone Detection data block

Prompt	Response	Comment
REQ	aaa	Request (aaa = CHG, END, PRT)
TYPE	BTD	Type = BTD (Busy Tone Detection)
BTDT	(0)-7	Busy Tone Detection Table
BCAD	x...x x...x	Busy Tone Cadence (ON and OFF cycles)
BTDD	a...a	Busy Tone Detection Direction (a...a = (BOTH) or INC)
FREQ_0	350 - 655	Frequency of Busy Tone for Frequency 0
FREQ_1	350 - 655	Frequency of Busy Tone for Frequency 1
FDLT	10 - 315	Frequency delta
FLVL_MAX	0 - 15	Maximum Frequency Tone level to be detected.
FLVL_MIN	20 - 35	Minimum Frequency Tone level to be detected.

DTD: Dial Tone Detection parameters data block

For all DTD parameters, if a value is entered between two valid responses, the lowest valid response is stored for downloading to the XTD card. The stored value is also echoed to the craftsperson.

The type for the DTMF parameters is DTR.

Prompt	Response	Comment
REQ	aaa	Request (aaa = CHG, END, PRT)
TYPE	DTD	Type = DTD (Dial Tone Detection)
XTDT	(0)-7	Extended Tone Detection Table
DFQ	0-(4)-15	Dial Tone Frequency band for 1st dial tone
MDL	10-(20)-40	Minimum Detect Level for 1st Dial Tone
MVT	100-(400)-1600	Minimum Validation Time for 1st Dial Tone
BRK	(0)-240	Break Duration (maximum) for 1st Dial Tone
CAD	(0)-15	Cadence type for 1st Dial Tone
SSC	(0)-15	Second Stage Configuration

DTR: Digitone Receiver parameters data block

For all DTR parameters, if a value is entered between two valid responses, the lowest valid response is stored for downloading to the XTD/DTR card. The stored value is also echoed to the craftsperson.

Prompt	Response	Comment
REQ	aaa	Request (aaa = CHG, END, PRT)
TYPE	DTR	Type = DTR (Digitone Receiver)
MINL	3-(42)-48	Minimum accept Level for Digitone receiver

FDL: Flash Download for M3900 sets

Prompt	Response	Comment
REQ	CHG PRT	Change or Print
TYPE	FDL	Flash Download for M3900 sets.
FDTP	t	M3900 set selected for download. Where t = (NONE) No M3900 flash download 3902 - M3902 sets 3903 - M3903 sets 3904 - M3904 sets 3905 - M3905 sets ALL - all M3900 sets
FDTM		Time interval restriction for Flash Download.
	(NO)	No change to time intervals
	YES	Change time intervals
		Note: Flash download is automatically paused one hour before virtual midnight (refer to TODR in Ovl 17) to allow midnight routines to run. This option is not applicable to reporting.

- FDAY	d n	Day and number of time intervals for download. Prompted only if FDTM = YES. d = (0-6) Day of week, Sunday to Saturday n = (0-4) Number of time intervals where 0 = no download for that day. ***Note:*** If two or more intervals are specified, they must be non overlapping, non consecutive and in increasing order. Day is re-prompted until <CR> is entered.
-- FINT	s l	Starting hour and length for a time interval. Prompted n times if n>0. Where: s = (0-23) Starting hour using 24 hour format l = (1-24) Length of interval in hours
FTNR		TN range restriction option for Flash Download.
	NO	No TN restriction
	YES	Specify TN range
	<CR>	No change to TN range restrictions
- FSTN		Starting Terminal Number for Flash Download. Prompted only if FTNR = YES
	l s c u c u	TN format: l s c u = loop, shelf, card, unit TN format: c u = card, unit
- FETN		Ending Terminal Number for Flash Download. Prompted only if FTNR = YES
	l s c u c u	TN format: l s c u = loop, shelf, card, unit TN format: c u = card, unit
FDNR		DN range or list restriction option for Flash Download.
	NO	No DN or list restriction
	YES	Specify DN range
	<CR>	No change to DN range restrictions

- FDDN		Flash Download Prime Directory Number range. Prompted only if FDNR = YES
	c d1 d2	Where: c = Customer number d1 = starting prime DN d2 = ending prime DN
FRCE		System-wide flash download control option.
	(NO)	Conditional. System-wide flash download (via FDLS in OVL 32) applies only to a M3900 set whose flash firmware version is different from version currently found on the system disk.
	YES	Forced. Force system-wide flash download to all the specified M3900 sets regardless of their current flash firmware versions. ***Note:*** Use this option with caution! Once the download tree is built (after FDLS in OVL 32) this option is automatically reverted to NO (conditional). Not applicable to reporting.
FVER		Flash firmware version specified for full report.
	(0)-99	Where: (0) = Report all Flash firmware version 1-99 = Selected Flash firmware version

FIRP: Fiber Remote Parameters Data Block

Prompt	Response	Comment
REQ	CHG PRT	Change or Print
TYPE	FIRP	Fiber Remote Parameters
SUPL	x...x	Superloop in multiples of 4 (SUPL responses begin on page 1077)
NNDC	5-(7)-8	No-New-Data -Calls condition Threshold
XSMN	(0)-63	XSM address on the remote shelf

LOSP: Loss Plan Tables data block

Loss and Level Plan information may also be specified. Please refer to *Transmision Parameters* (553-3001-182) for information regarding Loss and Level Plans prior to making any changes to the parameters defined in this Overlay.

Prompt	Response	Comment
REQ	aaa	Request (CHG, END, PRT)
TYPE	LOSP	Type = LOSP (Loss Plan Tables)
NATP	(NO) YES	North American Transmission Plan for generic XFCOT
TTYP	aaaa	Table Type (aaaa = (STAT) or DYNM)
- STYP	aaaa	Static Loss Plan table type (aaaa = (PRED), CSTM, or DISL)
- DTYP	aaaa	Dynamic Loss Switching alternate table type (aaaa = (PRED), CSTM, or DISL)

LOSP: Loss Plan Tables data block (STYP or DTYP = PRED)

Prompt	Response	Comment
REQ	aaa	Request (CHG, END, PRT)
TYPE	LOSP	Loss Plan Tables
NATP	(NO) YES	North American Transmission Plan for generic XFCOT
TTYP	aaaa	Table Type (aaaa = (STAT) or DYNM)
- STYP	aaaa	Static Loss Plan table type (aaaa = (PRED), CSTM, or DISL)
- DTYP	aaaa	Dynamic Loss Switching alternate table type (aaaa = (PRED), CSTM, or DISL)
- - TNUM	xx	Table Number

LOSP: Loss Plan Tables data block (STYP or DTYP = DISL)

Prompt	Response	Comment
REQ	aaa	Request (CHG, END, PRT)
TYPE	LOSP	Type = LOSP (Loss Plan Tables)
NATP	(NO) YES	North American Transmission Plan for generic XFCOT
TTYP	aaaa	Table Type (aaaa = (STAT) or DYNM)
- STYP	aaaa	Static Loss Plan table type (aaaa = (PRED), CSTM, or DISL)
- DTYP	aaaa	Dynamic Loss Switching alternate table type (aaaa = (PRED), CSTM, or DISL)
PWD2	xxxx	Password 2

LOSP: Loss Plan Tables data block (DTYP or STYP = CSTM)

Prompt	Response	Comment
REQ	aaa	Request (CHG, END, PRT)
TYPE	LOSP	Type = LOSP (Loss Plan Tables)
NATP	(NO) YES	North American Transmission Plan for generic XFCOT
TTYP	aaaa	Table Type (aaaa = (STAT) or DYNM)
- STYP	aaaa	Static Loss Plan table type (aaaa = (PRED), CSTM, or DISL)
- DTYP	aaaa	Dynamic Loss Switching alternate table type (aaaa = (PRED), CSTM, or DISL)
PWD2	xxxx	Password 2
- COTS	8-39 0-31	Central Office Trunk Short line Class of Service
- COTL	8-39 0-31	Central Office Trunk Long line Class of Service
- DIDS	8-39 0-31	Direct Inward Dial trunk Short line Class of Service
- DIDL	8-39 0-31	Direct Inward Dial Trunk Long line Class of Service
- T2WT	8-39 0-31	TIE trunk 2-Wire TRC Class of Service
- T2WN	8-39 0-31	TIE trunk 2-Wire NTC Class of Service
- T2WV	8-39 0-31	TIE trunk 2-Wire VNL Class of Service
- T4WT	8-39 0-31	TIE trunk 4-Wire TRC Class of Service
- T4WN	8-39 0-31	TIE trunk 4-Wire NTC Class of Service
- T4WV	8-39 0-31	TIE trunk 4-Wire VNL Class of Service
- PAGT	0-31	Paging Trunk
- RANR	8-39	Recorded Announcement trunk
- ALUS	0-31 8-39	Analog Line card Unit Short line Class of Service
- ALUL	0-31 8-39	Analog Line card Unit Long line Class of Service

SUPL: Superloop parameters data block

Prompt	Response	Comment
REQ	aaa	Request (CHG, END, PRT)
TYPE	SUPL	Type = SUPL (Superloop)
SUPL	x...x	Superloop in multiples of 4 (SUPL responses begin on page 1077)
SLOT	a	Network Card is in Left or Right Slot (x = (L) or R)
SUPT	aaaa	Superloop type (aaaa = (STD), CARR, FIBR, or IPMG)
XPE0	x y z	Extended Peripheral Equipment controller 0 (STD)
XPE1	x y z	Extended Peripheral Equipment controller 1 (STD)
XPEC	1-95	Extended Peripheral Equipment Controller (CARR or FIBR)

SYSM: System Parameters for MSDL/MISP card

Prompt	Response	Comment
REQ	aaa	Req = CHG or PRT
TYPE	SYSM	Type = SYSM (System parameters for MSDL/MISP cards)

SYSP: System parameters for Peripheral Equipment

Prompt	Response	Comment
REQ	aaa	Req = CHG or PRT
TYPE	SYSP	Type = SYSP (System parameters for Peripheral equipment)
INTN	(NO) YES	International companding law
CODE	(0)-3	Quite Code is used by Network Card firmware
CONT	1-(4)-32767	Continuity
CRCF	1-(4)-32767	Cyclic Redundancy Check (CRC) Failures
FLSH	(120)-168	Flash timing
TOHV	0-(250)-1275	Timer - Off-Hook Validation
TDP	(15)-1275	Timer - Dial Pulse
TID	0-(150)-1275	Timer - InterDigit
TDPO	15-(150)-1275	Timer - Dial Pulse On
TPF	0-(200)-1275	Timer - Post Flash
MFRL	0-(2)-3	Multifrequency minimum Receiver Level
MFLT0	(0)-15	Multifrequency transmit level code for Identifier 0 for Small System and MG 1000E
MFLT1	(0)-15	Multifrequency transmit level code for Identifier 1 for Small System and MG 1000E
P10R	(50)-70	Primary Pulse 10 Ratio
P12R	(50)-70	Secondary Pulse 10 Ratio
P20R	(50)-70	Pulse 20 Ratio
INSO	(NO) YES	Installation Options
- DEFS	(NO) YES	Default sets
- - DEF 2006 *xx*	yy	New default Model number, 2006 set
- - DEF 2008 *xx*	yy	New default Model number, 2008 set
- - DEF 2216 *xx*	yy	New default Model number, 2216 set
- - DEF 2616 *xx*	yy	New default Model number, 2616 set
- - DEF 2000 *xx*	yy	New default Model number, 2000 set
- - DEF 500 *xx*	yy	New default Model number, 500 set

- - DEF 2500 *xx*	yy	New default Model number, 2500 set
- - DEF I2002 xx	yy	Enter new default Model number (yy) for IP Phone 2002 set (where: *xx* is old default)
- - DEF I2004 xx	yy	Enter new default Model number (yy) for IP Phone 2004 set (where: *xx* is old default)
- - DEF I2050 xx	yy	Enter new default Model number (yy) for IP SoftPhone 2050 set (where: *xx* is old default)
FNUM (*wwww)*	zzzz	First DN in the default numbering plan. (wwww is the current value)

XCTP: Conference/TDS/MF Sender card parameters data block

Prompt	Response	Comment
REQ	aaa	Request (CHG, END, PRT)
TYPE	XCTP	Type = XCTP (Conference/TDS/MF Sender card parameters)
CPAD	x	Conference PAD (x = (0) or 1)
DTMF	0-(14)-255	Dual Tone Multifrequency
CFWT	(NO) YES	Conference Warning Tone to be provided
INTU	(NO) YES	Intrusion tone
P10P	0-(30)-255	Primary 10 Pulses per second
S10P	0-(31)-255	Secondary 10 Pulses per second
20PP	0-(32)-255	20 Pulses Per second

XPE: Extended Peripheral Equipment shelf data block

Prompt	Response	Comment
REQ	aaa	Request (aaa = CHG, END, PRT)
TYPE	XPE	Type = XPE (Extended Peripheral Equipment shelves)
XPEC	(0)-95	Extended Peripheral Equipment Controller
	1-99	Systems with Fibre Network Fabric

LOC	xxxxxx	Location code for Peripheral Controller
MED	(COP)	Connection Media to Peripheral Controller
RGTP	x	Ringing Generator Type (x = (8) or 16)

Print information on Superloop or Extended IPE shelves

Prompt	Response	Comment
REQ	PRT	Req = PRT
TYPE	aaaa	Type = SUPL or XPE
SUPL	x...x	Superloop in multiples of 4 (SUPL responses begin on page 1077)
XPEC	1-95	Extended Peripheral Equipment controller
	0-252	Systems with Fibre Network Fabric

Alphabetical list of prompts

Prompt	Response	Comment	Pack/Rel
20PP	0-(32)-255	20 Pulses Per second Tone table index for primary 20 pulses per second (pps) digit set. Use 32 for North American tones. Tone tables are defined in LD 56.	xct-15
ACDN	0-100 0-32767	Maximum number of ACD Directory Numbers Maximum number of ACD Directory Numbers	xpe-16
AGNT	0-1000 0-32767	Maximum number of ACD Agents Maximum number of ACD Agents	xpe-16
ALUL	0-31 8-39	Analog Line card Unit Long line Class of Service Enter the coded Relative Input/Output Levels; the 1st field is the Receive (A/D) entry; the 2nd field is the Transmit (D/A) entry. Prompted if TTYP = STAT	xpe-18
ALUS	0-31 8-39	Analog Line card Unit Short line Class of Service Enter the coded Relative Input/Output Levels; the 1st field is the Receive (A/D) entry; the 2nd field is the Transmit (D/A) entry. Prompted if TTYP = STAT.	xpe-18
AST	x...x	Maximum number of Associated Sets, where x...x is: • 0-100 for Large Systems • 0-32767 for Small Systems	csl-16
BCAD		Busy Tone Cadence Your entry determines the on phase length and the off phase length during the cycle.	xpe-16
	0000-(350)-1500 0000-(350)-1500	PH1 (ON cycle) and PH2 (OFF cycle)	
	0000-(500)-1500 0000-(500)-1500	PH1 (ON cycle) and PH2 (OFF cycle) for Japan (when Japan package 97 is enabled)	

Prompt	Response	Comment	Pack/Rel
		The values for each phase can be from 0 to 1.5 seconds (1500 ms) and are entered as milliseconds. The input values are rounded to the nearest multiple of 25 ms. Entering all 0's indicates continuous tone. (Continuous tones lasts for 3.2 seconds or longer) The smallest cadence is 50 ms even though 25 ms can be entered. The stored values will be echoed.	
BRK	(0)-240	Break Duration (maximum) for 1st Dial Tone. Input is a multiple of 16 ms: • 0 = 0 ms • 16 = 16 ms • 32 = 32 ms • ... • 240 = 240 ms Input that is not a multiple of 16 is rounded down to a valid multiple of 16. Recommended country specific BRK values follow: • CountryBRK • Denmark000 ms • France030 ms • Germany000 ms • HollandTBD • New ZealandTBD • Norway000 ms • Spain000 ms • Sweden000 ms • Switzerland000 ms • U.K. 33/50000 ms • U.K. 330/440000 ms	xpe-16
BTDD	(BOTH)	Busy Tone Detection on both incoming and outgoing calls	xpe-16
	INC	Busy Tone Detection on incoming calls only	

Prompt	Response	Comment	Pack/Rel
BTDT	(0) - 7	Busy Tone Detection Table Table 0 can be changed but cannot be removed. Table 0 always exists (when the BTD package is equipped) and is initialized to default values for China and Japan. When creating alternate tables, table 0's values are used to fill the table and these can be changed. If table 0 does not exist, the Japanese BCAD defaults (500 500) are used when creating it. Enter X in front of the table number to remove the table.	btd-21
CAD	(0)-15	Cadence type for 1st Dial Tone. Where: • 0 = no cadence or continuous tone • 1 = Italian complex cadence • 2-15 reserved for future use Recommended country specific CAD values follow: • Country CAD • Denmark 00 • France 00 • Germany 00 • Holland 00 • New Zealand 00 • Norway 00 • Spain 00 • Sweden 00 • Switzerland 00 • U.K. 33/50 00 • U.K. 330/440 00	xpe-16
CFWT	(NO) YES	Conference Warning Tone is not provided Conference Warning Tone is provided	basic-21
CODE	(0)	Quite Code is used by Network Card firmware 0 is the only valid entry. Entries 1-3 are for future use.	xpe-15

Prompt	Response	Comment	Pack/Rel
CONT	1-(4)-32767	Continuity. Maintenance threshold for number of continuity faults per timeslot.	xpe-15
COTL	8-39 0-31	Central Office Trunk Long line Class of Service Enter the coded Relative Input/Output Levels; the first field is the Receive (A/D) entry; the second field is the Transmit (D/A) entry.	xpe-18
COTS	8-39 0-31	Central Office Trunk Short line Class of Service Enter the coded Relative Input/Output Levels; the first field is the Receive (A/D) entry; the second field is the Transmit (D/A) entry.	xpe-18
CPAD	(0) 1	Conference PAD Use software PAD values Use PAD values defined by switch settings on card (NT8D17). The CNFC command in LD 38 will not do the attenuation testing when CPAD = 1.	xct-15
CRCF	1-(4)-32767	Cyclic Redundancy Check (CRC) Failures	xpe-15
DEF 500 *xx*	yy	Enter new default Model number (yy) for 500 set (where: *xx* is old default)	xpe-16
DEF 2000 *xx*	yy	Enter new default Model number (yy) for 2000 set (where: *xx* is old default)	xpe-16
DEF 2006 *xx*	yy	Enter new default Model number (yy) for 2006 set (where: *xx* is old default)	xpe-16
DEF 2008 *xx*	yy	Enter new default Model number (yy) for 2008 set (where: *xx* is old default)	xpe-16
DEF 2216 *xx*	yy	Enter new default Model number (yy) for 2216 set (where: *xx* is old default)	xpe-16
DEF 2500 *xx*	yy	Enter new default Model number (yy) for 2500 set (where: *xx* is old default)	xpe-16
DEF 2616 *xx*	yy	Enter new default Model number (yy) for 2616 set (where: *xx* is old default)	xpe-16

Prompt	Response	Comment	Pack/Rel
DEF I2002 xx	yy	Enter new default Model number (yy) for IP Phone 2002 set (where: *xx* is old default) For CS 1000S	basic-2
DEF I2004 xx	yy	Enter new default Model number (yy) for IP Phone 2004 set (where: *xx* is old default) For CS 1000S	basic-2
DEF I2050 xx	yy	Enter new default Model number (yy) for IP SoftPhone 2050 set (where: *xx* is old default) For CS 1000S	basic-2
DEFS	(NO) YES	Default Sets	xpe-16
DFQ	0-(4)-15	Dial Tone Frequency band for 1st dial tone. Input is frequency band as described below: • 0 = 300-500 Hz • 1 = 350-500 Hz • 2 = 320-630 Hz • 3 = 0-500 Hz • 4 = 355-550 Hz • 5-15 = reserved for future use With UK package (190) default value for DFQ = 0. Recommended country specific DFQ values follow: • Country DFQ • Denmark 1 • France 0 • Germany 1 • Holland TBD • New Zealand 1 • Norway 1 • Spain 2 • Sweden 11 • Switzerland 4 • U.K. 33/50 3 • U.K. 330/440 0	xpe-16
DIDL	8-39 0-31	Direct Inward Dial (or Direct Outward Dial [DOD]) trunk Long line Class of Service Enter the coded Relative Input/Output Levels; the first field is the Receive (A/D) entry; the second field is the Transmit (D/A) entry.	xpe-18

Prompt	Response	Comment	Pack/Rel
DIDS	8-39 0-31	Direct Inward Dial (or Direct Outward Dial [DOD]) trunk Short line Class of Service Enter the coded Relative Input/Output Levels; the first field is the Receive (A/D) entry; the second field is the Transmit (D/A) entry.	xpe-18
DSL	0-32767	Maximum number of Digital Subscriber Loops	xpe-18
DTMF	0-(14)-255	Dual Tone Multifrequency (Tone table index of the first DTMF digit to be used). Use 14 for North American tones.	xct-15
DTYP	(PRED) CSTM DISL	Predefined Dynamic Loss Switching Table Customized Dynamic Loss Switching Table (user will be prompted to input required PORT TYPE LI LO values) Disable current active table (Disables Dynamic Loss Switching) If the DTYP was previously DISL then entering a Predefined Table number or Customized Table will ENABLE the Dynamic Loss Switching feature. Only 1 Dynamic Loss Switching table, either predefined or customized, exists within the system. When Dynamic Loss Plan Switch is ENABLED then the Static Loss Plan Table is used as the “base level” table of values. If an entry is customized, other entries in this table and in the Base Table (TTYP = STAT) should be re-examined in case possible adjustment is necessary. Dynamic Pad Switching continues for non-B34 cards (EPE, XUT, XEM).	xpe-18
FDAY	d n	Day and number of time intervals for download. Prompted only if FDTM = YES. d = (0-6) Day of week, Sunday to Saturday n = (0-4) Number of time intervals where 0 = no download for that day. ***Note:*** If two or more intervals are specified, they must be non overlapping, non consecutive and in increasing order. Day is re-prompted until <CR> is entered.	arie-25

Prompt	Response	Comment	Pack/Rel
FDDN		Flash Download Prime Directory Number range. Prompted only if FDNR = YES	arie-25
	c d1 d2	Where: c = Customer number d1 = starting prime DN d2 = ending prime DN	
FDLT	10 - 315	Frequency delta, gives the tolerance of the tone to be detected in +/- hertz. Valid entries will be in multiples of 5Hz. For dual Busy Tone Detection on card (NT5D31), the same maximum and minimum levels applies to both tones.	btd- 23
FDNR		DN range restriction option for Flash Download.	arie-25
	NO	No DN restriction	
	YES	Specify DN range	
	<CR>	No change to DN range restrictions	
FDTM		Time interval restriction for Flash Download.	arie-25
	(NO)	No change to time intervals	
	YES	Change time intervals ***Note:*** Flash download is automatically paused one hour before virtual midnight (refer to TODR in Ovl 17) to allow midnight routines to run. This option is not applicable to reporting.	
FDTP	t	M3900 set selected for download. Where t = (NONE) No M3900 flash download 3902 - M3902 sets 3903 - M3903 sets 3904 - M3904 sets 3905 - M3905 sets ALL - all M3900 sets	arie-25
FETN		Ending Terminal Number for Flash Download. Prompted only if FTNR = YES	arie-25
	l s c u	General TN format: l s c u = loop, shelf, card, unit	
	c u	Small System TN format: c u = card, unit	

Prompt	Response	Comment	Pack/Rel
FINT	s l	Starting hour and length for a time interval. Prompted n times if n>0. Where: s = (0-23) Starting hour using 24 hour format l = (1-24) Length of interval in hours	arie-25
FLSH	(120)-768	Flash timing Switchhook Flash timing (*SUPP package 131 not equipped*). Establishes Switchhook Flash time in milliseconds for 500/2500 sets (NT8D IPE only)	xpe-15
	xxx yyyy	Switchhook Flash timing (*SUPP package 131 equipped*) Establishes minimum and maximum Switchhook Flash timer in milliseconds for 500/2500 sets (NT8D IPE only), where: • xxx = 20-(45)-768 • yyyy = xxx value-(896)-1275 The timing specified will be used for extended peripheral equipment only. Non-extended peripheral equipment will use the FLSH specified in LD 15.	
FLVL_MAX	0 - 15	Maximum Frequency Tone level to be detected. Valid entries will be in multiples of 5dBm. For dual Busy Tone Detection on card (NT5D31), the same level applies to both tones.	btd- 23
FLVL_MIN	20 - 35	Minimum Frequency Tone level to be detected. Valid entries will be in multiples of 5dBm. For dual Busy Tone Detection card (NT5D31), the same level applies to both tones.	btd- 23
FNUM (*wwww)*	zzzz	First DN in the default numbering plan (*wwww* is current setting)	xpe-16
FRCE		System-wide flash download control option.	arie-25

Prompt	Response	Comment	Pack/Rel
	(NO)	Conditional. System-wide flash download (via FDLS in OVL 32) applies only to a M3900 set whose flash firmware version is different from version currently found on the system disk.	
	YES	Forced. Force system-wide flash download to all the specified M3900 sets regardless of their current flash firmware versions. ***Note:*** Use this option with caution! Once the download tree is built (after FDLS in OVL 32) this option is automatically reverted to NO (conditional). Not applicable to reporting.	
FREQ_0	350 - 655	Frequency of Busy Tone for Frequency 0 of a dual Busy Tone Detection to be detected in Hz. Valid entries will be in multiples of 5Hz.	btd- 23
FREQ_1	350 - 655	Frequency of Busy Tone for Frequency 1 of a dual Busy Tone Detection to be detected in Hz. Valid entries will be in multiples of 5Hz. For a single busy tone FREQ_1 must be set the same as FREQ_0.	btd- 23
FSTN	 l s c u c u	Starting Terminal Number for Flash Download. Prompted only if FTNR = YES General TN format: l s c u = loop, shelf, card, unit Small System TN format: c u = card, unit	arie-25
FTNR	 NO YES <CR>	TN range restriction option for Flash Download. No TN restriction Specify TN range No change to TN range restrictions	arie-25
FVER	 (0)-99	Flash firmware version specified for full report. Where: (0) = Report all Flash firmware version 1-99 = Selected Flash firmware version	arie-25
INSO	(NO) YES	Installation Options Change installation options, do not modify installation options	xpe-16
INTN	(NO) YES	µ- International companding Law A- International companding Law	xpe-15

Prompt	Response	Comment	Pack/Rel
INTU	(NO) YES	Intrusion tone (insert Intrusion tone in conferences) ***Note***: To invoke any changes, the Small System must be initialized.	xpe-16
LOC	xxxxxx	Location code for Peripheral Controller (0-6 characters) Should be equal to the column number assigned to the System Monitor and the Universal Equipment Module (UEM) that contains the Controller. For example: CxxMy Where: • xx = column number • y = UEM number	xpe-15
LTID	0-32767	Maximum number of Logical Terminal IDs	xpe-18

Prompt	Response	Comment	Pack/Rel
MDL	10-(20)-40	Minimum Detect Level for 1st Dial Tone. Input is absolute value of the minimum detect level. Input is a multiple of 2 dBm: • 10 = -10 dBm • 12 = -12 dBm • 14 = -14 dBm • ... • 40 = -40 dBm Odd input is rounded down. With UK package (190) default value for MDL = 30 (-30 dBm). Recommended country specific MDL values follow: Country — MDL Denmark -26 dBm France -24 dBm Germany -22 dBm Holland -26 dBm New Zealand TBD Norway -30 dBm Spain -32 dBm Sweden -28 dBm Switzerland -30 dBm U.K. 33/50 -30 dBm U.K. 330/440 -30 dBm	xpe-16
MED	(COP)	Connection Media to Peripheral Controller (copper cabling)	xpe-17

Prompt	Response	Comment	Pack/Rel
MFLT0	(0)-15	Multifrequency transmit level code for Identifier 0 for Small System and MG 1000E. The code and level values listed below apply to MFLT0 and MFLT1. Codes — Level Values 0 — -8 dBmO 1 — -11 dBmO 2 — -12 dBmO 3 — -13 dBmO 4 — -14 dBmO 5 — -15 dBmO 6 — -16 dBmO 7 — -31 dBmO 8 — -4 dBmO 9 — -5 dBmO 10 — -6 dBmO MF transmit level changes will take effect on Card 0 only if the command ENLX 0 is entered in LD 34. For XMFC packs, MF transmit level changes take effect immediately.	basic-22 basic-4.0
MFLT1	(0)-15	Multifrequency transmit level code for Identifier 1 for Small System and MG 1000E. Refer to the MFLT0 prompt for a listing of codes and level values for MFLT1.	basic-22 basic-4.0
MFRL	0-(2)-3	Multifrequency minimum Receiver Level for XMFC/ XMFE (NT5K21) for only Meridian 1 (superloop) Codes — Level Values 0 — -28 dBmO 1 — -32 dBmO 2 — -36 dBmO 3 — -40 dBmO	xpe-16

Prompt	Response	Comment	Pack/Rel
MINL	3-(42)-48	Minimum accept Level for Digitone receivers. Input is a multiple of 3 dBm: • 3 = -3 dBm • 6 = -6 dBm • 9 = -9 dBm • ... • 48 = -48 dBm Input that is not a multiple of 3 is rounded down to a valid multiple of 3. With UK package (190) default value for MINL = 45 (-45 dBm). Recommended country specific MINL values follow: Country — MINL Denmark -45 dBm France -30 dBm Germany -30 dBm Holland -30 dBm New Zealand -45 dBm Norway -45dBm Spain -30 dBm Sweden -28 dBm Switzerland -30 dBm U.K. 33/50 -45 dBm U.K. 330/440 -45 dBm	xpe-16
MOPT	0-11	Meridian Mail Option	xpe-16

Prompt	Response	Comment	Pack/Rel
MVT	100-(400)-1600	Minimum Validation Time for 1st Dial Tone Input is a multiple of 100 ms: • 100 = 100 ms • 200 = 200 ms • 300 = 300 ms • ... • 1600 = 1600 ms (1.6 sec) Input that is not a multiple of 100 is rounded down to a valid multiple of 100. With UK package (190) default value for MVT = 300. Recommended country specific MVT values follow: Country — MVT Denmark — 1200 ms France — 1000 ms Germany — 0900 ms Holland — 1200 ms New Zealand — TBD Norway — 1000 ms Spain — 1000 ms Sweden — 0300 ms Switzerland — 0400 ms U.K. 33/50 — 0300 ms U.K. 330/440 — 0300 ms	xpe-16
NATP	(NO) YES	North American Transmission Plan for generic XFCOT	xpe-18
NNDC	5-(7)-8	No-New-Data-Calls condition Threshold NNDC defines the bit error rate (BER) for Signal Degrade, calculated by the loadware. The actual range is 10^{-5} to 10^{-8}. The value entered here is the absolute value to the power of 10 (logarithmic scale).	rem_ipe-22

Prompt	Response	Comment	Pack/Rel
P10P	0-(30)-255	Primary 10 Pulses per second Tone table index for primary 10 pulses per second (pps) digit set. Use 30 for North American tones.	xct-15
P10R	(50)-70	Primary Pulse 10 Ratio (make-break ratio for 10 PPS dial pulse dialing) Range is 50% to 70%, in steps of 1. For example, at 70% the signal is on for 30 ms and off for 70 ms producing the 100 ms cycle for one pulse. To use on individual XUT, XUTJ and XEM trunks, set CLS to P10 in LD 14. For either XUT, XUTJ and XEM trunks specified or Option 11C DTI2 trunks.	xpe-16
P12R	(50)-70	Secondary Pulse 10 Ratio (make-break ratio for 10 PPS dial pulse dialing) Range is 50% to 70%, in steps of 1. For example, at 70% the signal is on for 30 ms and off for 70 ms producing the 100 ms cycle for one pulse. To use on individual XUT, XUTJ and XEM trunks, set CLS to P12 in LD 14. For either XUT, XUTJ and XEM trunks specified or Option 11C DTI2 trunks.	xpe-16
P20R	(50)-70	Pulse 20 Ratio (make-break ratio for 20 PPS dial pulse dialing) Range is 50% to 70%, in steps of 1. For example, at 70% the signal is on for 15 ms and off for 35 ms producing the 50 ms cycle for one pulse. To use on individual XUT, XUTJ and XEM trunks, set CLS to P20 in LD 14. For either XUT, XUTJ and XEM trunks specified or Small System DTI2 trunks.	xpe-16
PAGT	0-31	Paging Trunk. Enter the coded Transmit (D/A) Input/Output Relative Level.	xpe-18
PWD2	xxxx	Password 2 Second Level Administration Password as defined in LD 17. This password is required to “Disable” an active Table or “Create” a customized Table. PWD2 is prompted if STYP or DTYP = CSTM or DISL, or if the user is not logged in using Loss Planning Allowed password.	

Prompt	Response	Comment	Pack/Rel
RANR	8-39	Recorded Announcement trunk Enter the coded Receive (A/D) Input/Output Relative Level.	xpe-18
REQ		Request	xpe-15
	CHG	Modify existing data	
	END	Exit overlay	
	PRT	Print data block	
RGTP	(8) 16	Ringing Generator Type (8 or 16 concurrent ringers; 16 requires NT6D42CA Ringing Generator). This prompt determines the maximum number of 500/2500 telephones which can be in the active ringing state at the same time. CAUTION: Do not set RGTP = 16 if you do not have the NT6D42 ringing generator. Exceeding the ringer capacity may cause intermittent overload alarms on the ringing generator. The value is not passed to the Peripheral Controller card immediately after service change. That information is downloaded when the card is enabled.	xpe-18
S10P	0-(31)-255	Secondary 10 Pulses per second Tone table index for secondary 10 pulses per second (pps) digit set. Use 31 for North American tones. Tone tables are defined in LD 56.	xct-15
SLOT	(L) R	Network Card is in Left or Right slot Enter L (left) if the Network Card is located in the lower numbered network pair. For example, in superloop 0, enter L if the Network Card sits in the slot for network loops 0/1, enter R (right) for 2/3.	xpe-15

Prompt	Response	Comment	Pack/Rel
SSC	(0)-15	Second Stage Configuration. Where: • 0 = Second Stage Dial Tone Detection and uses same parameters as defined for first stage. • 1-15 = Reserved for future use. Recommended country specific SCC values follow: Country SSC Denmark 0 France 0 Germany 0 Holland 0 New Zealand 0 Norway 0 Spain 0 Sweden 0 Switzerland 0 U.K. 33/50 0 U.K. 330/440 0	xpe-16
STYP	(PRED)	Predefined Static Loss Plan table	xpe-18
	CSTM	Customized Static Loss Plan table (user will be prompted to input required PORT TYPE LI LO values)	
	DISL	Disable current active table (disables Static Loss Plan downloading) Only 1 Static Loss Plan table, either predefined or customized, exists within the system. When Dynamic Loss Switching is ENABLED then the Static Loss Plan Table is used as the “B34 DYNAMIC LOSS SWITCHING BASE TABLE” of values.	

Prompt	Response	Comment	Pack/Rel
		If an entry is customized, other entries in this table and in the Alternative Table (TTYP = DYNM) should be re-examined in case possible adjustment is necessary. Dynamic Pad Switching continues for non-B34 cards (EPE, XUT, XEM).	
SUPL		Superloop in multiples of 4 (0,4,8,12…)	
	0-156	Superloop in multiples of 4, where: • 0-15 = physical range of loops for Opt 51C • 0-31 = physical range of loops for Opt 61C • 0-159 = physical range of loops for Opt 81C • 0-72 = physical range of loops for Small Systems ***Note:*** Loops 0-72 translates to cards 0-50 for TN mapping	xpe-20
	0-252	Superloop in multiples of 4 for systems with Fibre Network Fabric, where: • 0-255 = physical range of loops for Opt 81C with Fibre Network Fabric	fnf-25
	0-252	Superloop in multiples of 4 for CS 1000E	basic-4.0
		Note: A superloop cannot have both phantom and virtual sets on it and therefore must be configured as either phantom or virtual. Preceed with “N” to designate phantom and “V” to designate virtual.	
	N0-N156	Phantom superloop in multiples of 4	
	N0-N252	Phantom superloop in multiples of 4 for systems with Fiber Network Fabric	
	N0-N252	Superloop in multiples of 4 for CS 1000E	basic-4.0
	N96-N112	Phantom superloop in multiples of 4 for Small Systems ***Note:*** Loops 96-112 translates to cards 61-99 for phantom TN mapping on Small Systems.	
	V0- V156	Virtual superloop in multiples of 4 for Large Systems without Network Capacity Expansion package.	basic-25
	V0- V252	Virtual superloop in multiples of 4 for systems with Fibre Network Fabric	
	V0-V252	Superloop in multiples of 4 for CS 1000E	basic-4.0

Prompt	Response	Comment	Pack/Rel
	V96- V112	Virtual superloop in multiples of 4 for Small Systems and CS 1000S ***Note:*** Loops 96-112 translates to cards 61-99 for virtual TN mapping on Small Systems. ***Note:*** Nortel recommends programming Phantom and Virtual loops from the highest loop number backward to prevent moving phantom and virtual units if the system may be expanded in the future.	basic-2.0
SUPT	(STD)	Standard Superloop type (normal copper cable connecting an XNET to XPEC)	rem_ipe-21
	CARR	Carrier Link Superloop type: this connects an Local Carrier Interface (LCI) to a Remote Carrier Interface (RCI)	
	FIBR	Fiber Link [connects a Fiber Network NT1P61 Card (FNET) to a Fiber IPE Controller Card NT1P62 (FPEC)]	
	IPMG	MG 1000E superloop	ipmg-4.0
T2WN	8-39 0-31	TIE trunk 2-Wire NTC (Non-Transmission Compensated) Class of Service Enter the coded Relative Input/Output Levels; the first field is the Receive (A/D) entry; the second field is the Transmit (D/A) entry.	xpe-18
T2WT	8-39 0-31	TIE trunk 2-Wire TRC (Transmission Compensated) Class of Service Enter the coded Relative Input/Output Levels; the first field is the Receive (A/D) entry; the second field is the Transmit (D/A) entry.	xpe-18
T2WV	8-39 0-31	TIE trunk 2-Wire VNL (Via Network Loss) Class of Service Enter the coded Relative Input/Output Levels; the first field is the Receive (A/D) entry; the second field is the Transmit (D/A) entry.	xpe-18

Prompt	Response	Comment	Pack/Rel
T4WN	8-39 0-31	TIE trunk 4-Wire NTC (Non-Transmission Compensated) Class of Service Enter the coded Relative Input/Output Levels; the first field is the Receive (A/D) entry; the second field is the Transmit (D/A) entry.	xpe-18
T4WT	8-39 0-31	TIE trunk 4-Wire TRC (Transmission Compensated) Class of Service Enter the coded Relative Input/Output Levels; the first field is the Receive (A/D) entry; the second field is the Transmit (D/A) entry.	xpe-18
T4WV	8-39 0-31	TIE trunk 4-Wire VNL (Via Network Loss) Class of Service Enter the coded Relative Input/Output Levels; the first field is the Receive (A/D) entry; the second field is the Transmit (D/A) entry.	xpe-18
TDP	(15)-1275	Timer - Dial Pulse Minimum time for dial pulse for Extended Flexible Analog Line Card (XFALC) NT5K02. Inputs in increments of 5 milliseconds. CDP must be greater than Minimum Switchhook Flash.	xpe-18
TDPO	15-(150)-1275	Timer - Dial Pulse On Maximum time for dial pulse for Extended Flexible Analog Line Card (XFALC) NT5K02. Inputs in increments of 5 milliseconds. TDPO must be greater than or equal to TDP.	xpe-18
TID	0-(150)-1275	Timer - InterDigit. Interdigit time for Extended Flexible Analog Line Card (XFALC) NT5K02. Inputs in increments of 5 milliseconds.	xpe-18
TNS	0-1000 0-32767	Maximum number of Terminal Numbers Maximum number of Terminals	xpe-18

Prompt	Response	Comment	Pack/Rel
TNUM	xx	Predefined Table Number to be used. Prompted if PRED is selected. There is no default. Where: • xx = 1-27 when TTYP = STAT • xxx = 1-5 when TTYP = DYNM Following is the list of predefined tables. A table noted as ETSI Mode of Operation should only be used on systems where all Peripheral cards are equipped with the B34 Codec. A table noted as Existing Mode of Operation should be used on systems where all Peripheral cards are not equipped with the B34 Codec.	xpe-18

For TTYP = STAT , the predefined tables are:

TNUM	Country	Mode
1	Austria & Greece	ETSI
2	Austria	Existing
3	Belgium	ETSI
4	Belgium	Existing
5	Denmark	ETSI
6	Denmark	Existing
7	Finland	ETSI
8	Germany	ETSI/Existing
9	Italy	ETSI
10	Italy	Existing
11	Netherlands	ETSI
12	Netherlands	Existing
13	Norway	ETSI
14	Norway	Existing
15	Portugal	ETSI
16	Greece & Portugal	Existing
17	Spain	ETSI/Existing
18	Sweden	ETSI/Existing
19	Switzerland	ETSI
20	Switzerland	Existing
21	U.K.	ETSI/Existing
22	France	ETSI
23	France	Existing
24	New Zealand	Existing
25	Australia	Existing
26	China - hybrid	EPE and IPE
27	China - pure	IPE system

For TTYP = DYNM the predefined tables are:

TNUM	Country	Mode
1	New Zealand	Existing
2	Australia	Existing
3	Italy	Existing
4	China	EPE and IPE
5	China	IPE system

Prompt	Response	Comment	Pack/Rel
TOHV	0-(250)-1275	Timer - Off-Hook Validation Off-Hook Validation timer for Extended Flexible Analog Line Card (XFALC) NT5K02. Inputs in increments of 5 milliseconds.	xpe-18
TPF	0-(200)-1275	Timer - Post Flash Post Flash timer for Extended Flexible Analog Line Card (XFALC) NT5K02. Inputs in increments of 5 milliseconds. Prompted with Multi-Party Operations (MPO) package 141.	xpe-18
TTYP	(STAT) DYNM	B34 Static Loss Plan Table Type to be installed/modified B34 Dynamic Loss Plan Alternative Level Table Type to be installed/modified A B34 Static Loss Plan Table must be installed before B34 Dynamic Loss Switching can be enabled. Therefore, if TTYP= DYNM, and the existing STYP = “DISL”, then error message SCH5838 will be printed, and TTYP will be re-prompted.	xpe-18
TYPE		Type of data block When modifying IPE system parameters, the system must initialize for the changes to come into effect. The loop number for the NT8D17 Conference/TDS/MFS card is defined by prompt XCT in LD 17.	xpe/ msdl-18
	BTD	Busy Tone Detection	
	DTD	Dial Tone Detection parameters	
	DTR	Digitone Receiver parameters	
	FDL	Flash Download for M3900 telephones	
	FIRP	Fiber Remote Parameters	
	LOSP	Loss Plan Tables	
	SYSM	System parameters for MSDL/MISP cards.	
	SYSP	System parameters. When modifying the IPE system parameters, the system must initialize for the changes to come into effect.	
	SUPL	Superloop parameters	
	XCTP	Conference/TDS/MF Sender card parameters. The loop number for the NT8D17 Conference/TDS/MFS card is defined by prompt XCT in LD 17.	
	XPE	Extended Peripheral Equipment shelves	

Prompt	Response	Comment	Pack/Rel
XNPD	28	Network loop number for Extended Network/ Peripheral equipment controller/ Digitone receiver (XNPD) card The NT8D18 card contains a superloop and 8 Digitone Receivers. The Digitone Receivers are defined in LD 13.	xpe-15
XPE	1-95 <CR>	Extended Peripheral Equipment controller All Extended Peripheral Equipment controllers The output format for Peripheral Controller data is: SO S1 S2 S3 LOC DISRGTP xx yyy yyy yyy yyy zzz YES/NO rr Where: • xx = Controller number • yyy = superloop number for each segment • zzz = location code entered with prompt LOC • DIS = YES of NO (Peripheral Controller disabled) • RGTP = 8 or 16 (Ringing Generator Type)	xpe-15
	1-99	Systems with Fibre Network Fabric	fnf-25
XPE0	x y z	Extended Peripheral Equipment controller 0 Peripheral Controller number, starting segment and ending segment Define the superloop configuration, where: • x = Controller number (1-95) for superloop's shelf 0 • y = starting shelf segment number (0-3) • z = ending shelf segment number (0-3) Enter: X to remove XPE0 or <CR> Return to REQ prompt.	xpe-15

Prompt	Response	Comment	Pack/Rel
XPE1	x y z	Extended Peripheral Equipment controller 1 Peripheral Controller number, starting segment and ending segment Define the superloop configuration, where: • x = Controller number (1-95) for superloop's shelf 1 • y = starting shelf segment number (0-3) • z = ending shelf segment number (0-3) Enter: • X to remove XPE1 • <CR> Return to REQ prompt.	xpe-15
XPEC	(0)-95	Extended Peripheral Equipment Controller (assign Peripheral Controller numbers; 0 for automatic) Block is built with segments of the peripheral shelf (RCI or FXPEC) which are associated with this SUPL (LCI or FXNET) Where: 0 = Automatically assign Controller numbers. The system assigns the next available Controller number. 0 cannot be assigned for XPND. 1-95 = Manually assign Controller numbers Precede with X to remove. Remove all cards/TNs in the Controller shelf first. XPEC is prompted if SUPT=CARR or FIBR.	xpe-15
	1-95	Extended Peripheral Equipment Controller if SUPT = CARR or FIBR. If SUPT = CARR, the superloop block is built with all segments (0-3) of the peripheral shelf (RCI) and associated with this SUPL (LCI). This ensures that one LCI is configured to only one RCI, and that all segments on the RCI are associated with the LCI. If SUPT = FIBR, the superloop block is built with default Fiber remote parameters and all segments (0-3) of the peripheral shelf (FPEC) are associated with this SUPL (FNET).	rem_ipe-21
XSMN	(0)-63	XSM address on the remote shelf. (0) means not configured. XSMN applies only to Wall-Mounted remotes.	rem_ipe-22

Prompt	Response	Comment	Pack/Rel
XTDT	(0)-7	Extended Tone Detection Table XTDT table number in which all the following parameters are stored. Table 0 can be changed but must not be removed. Table 0 always exists and is initialized to default values. With UK package (190) Table 0 defaults are: Parameter Value DFQ 0 MDL - 30 dBm MVT 300 ms BRK 0 ms CAD 0 SSC 0 Without UK package (190) Table 0 defaults are: Parameter Value DFQ 4 MDL -20 dBm MVT 400 ms BRK 0 ms CAD 0 SSC 0	xpe-16

LD 117: Ethernet and Alarm Management

This overlay has a command format that allows the administrator to:

- configure the Alarm Management feature
- identify all system alarms
- configure IP network interface addresses
- perform all IP network related maintenance and diagnostic functions

Both Administration and Maintenance commands appear in this overlay, therefore this overlay appears in both the Administration and Maintenance NTP.

Command format

LD 117 uses a command line input interface (input parser) that has the following general structure (where "=>" is the command prompt):

```
=> COMMAND OBJECT [(FIELD1 value) (FIELD2 value)... (FIELDx value)]
```

LD 117 offers the administrator the following configuration features:

- **Context Sensitive Help** - Help is offered when "?" is entered. The Help context is determined by the position of the "?" entry in the command line. If you enter "?" in the COMMAND position, Help text will appear which presents all applicable command options. If you enter "?" in the OBJECT position, HELP text will appear which presents all applicable OBJECT options.

- **Abbreviated Inputs** - The new input parser will recognize abbreviated inputs for commands, objects and object fields. For example, “N” can be entered for the command “NEW” or “R” can be entered for the object “Route”.
- **Optional Fields** - Object fields with default values can be bypassed by the user on the command line. For example, to configure an object which consists of fields with default values, enter the command, enter the object name, press <return>, and the object will be configured with default values. All object fields do not have to be specified. For CS 1000S systems both the optional fields <cab> and <port> refer to the MG 1000S number.
- **Selective Change** - Instead of searching for a prompt within a lengthy prompt-response sequence, “Selective Change” empowers the administrator to directly access the object field to be changed.
- **Service Change Error Message Consistency** - The parser simplifies usage of service change error messages. LD 117 displays only SCH0099 and SCH0105.

Alarm Management capability

With the Alarm Management feature, all *processor-based system events* are processed and logged into a new disk-based System Event List (SEL). Events which are generated as a result of administration activities, such as SCH or ESN error messages, *are not* logged into the SEL. Events which are generated as a result of maintenance or system activities, like BUG and ERR error messages, *are* logged into the SEL. Unlike the previous System History File, this new System Event List survives Sysload, Initialization and power failures.

Feature packaging

With the exception of the Alarm Notification subfeature, the Alarm Management feature is optional. It is a major enhancement to the existing Alarm Filtering (ALRM_FILTER) package 243.

The Event Collector

The Event Collector captures and maintains a list of all processor-based system events. The Event Collector also routes critical events to FIL TTY ports and lights the attendant console minor alarm lamp as appropriate. The System Event List (SEL) can be printed or browsed.

The Event Server

The *Event Server* consists of two components:

1 **Event Default Table (EDT)**: This table associates events with a default severity. By using the CHG EDT command in LD 117, the EDT is overridden so that all events default to a severity of either INFO or MINOR. The EDT is viewed in LD 117. The Default Table is stored in a disk file but is scanned into memory on start-up for rapid run-time access.

Sample Event Default Table (EDT)

Error Code	Severity
ERR220	Critical
IOD6	Critical
BUG4001	Minor

Note: Error codes which do not appear in the EDT will be assigned a default severity of MINOR.

2 Event Preference Table (EPT): This table contains site-specific preferences for event severities as well as criteria for severity escalation and alarm suppression. The administrator configures the EPT to:

a override the default event severity assigned by the default table

or

b escalate event severity of frequently occurring minor or major alarms.

Sample Event Preference Table (EPT)

Error Code	Severity	Escalate Threshold (events/60 sec.) (see Note 2)
ERR??? (see Note 1)	Critical	5
INI???	Default	7
BUG1??	Minor	0
HWI363	Major	3

Note 1: The "?" is a wildcard. See the section below for explanation of wildcard entries.

Note 2: The window timer length defaults to 60 seconds. However, this value can be changed by the Administrator. Read "Global window timer length" on page 1091 for more information.

Wildcards

The special wildcard character "?" can be entered for the numeric segment of an error code entry in the EPT to represent a range of events. All events in the range indicated by the wildcard entry can then be assigned a particular severity or escalation threshold.

For example, if "ERR????" is entered and assigned a MAJOR severity in the EPT, all events from ERR0000 to ERR9999 are assigned MAJOR severity. If "BUG3?" is entered and assigned an escalation threshold of 5, the severity of all events from BUG0030 to BUG0039 will be escalated to the next higher severity if their occurrence rate exceeds 5 per time window.

The wildcard character format is as follows:

- ERR? = ERR0000 - ERR0009
- ERR?? = ERR0010 - ERR099
- ERR??? = ERR0100 - ERR0999
- ERR???? = ERR1000 - ERR9999

Escalation and suppression thresholds

The escalation threshold specifies a number of events per window timer length that, when exceeded, will cause the event severity to be escalated up one level. The window timer length is set to 1 minute by default. Escalation

occurs only for minor or major alarms. Escalation threshold values must be less than the universal suppression threshold value.

A suppression threshold suppresses events that flood the system and applies to all events. It is set to 15 events per minute by default.

Global window timer length

Both the escalation and suppression thresholds are measured within a global window timer length. The window timer length is set to 1 minute by default. However, the window timer length can be changed by using the CHG TIMER command in LD 117.

TTY output format of events

TTY event output can be formatted or unformatted. Formatted output is also called fancy format. Output format is configurable in LD 117 using the CHG FMT _OUTPUT command.

Fancy format output

Formatted output appears in the following template:<severity> <report id> <date> <time> <prim_seq_no> <cp_id> <cp_ad>
DESCTXT: <descriptive text>
OPRDATA: <operator data>
EXPDATA: <expert data>

Field	Description
<severity>	"***" (critical); "**" (major); "*" (minor); " " (blank for info)
<report id>	The report ID consists of an event category (e.g. BUG, ERR, etc.) and an event number (1200, 230, etc.). It is padded with blanks at the end to ensure it is 9 characters long (4 characters maximum for category and 5 digits maximum for number). Examples of report IDs are: ACDxxxx, ERRxxx and BUGxx, where x = 0-9.
<date>	DD/MM/YY
<time>	HH:MM:SS
<prim_seq_no>	Primary sequence number of the event (length of 5 digits)
<cp_id>	The Component ID is a 15 character string which indicates the ID of the subsystem generating the alarm

Field	Description
<cp_ad>	The Component address is a 15 character string which indicates the address of the subsystem generating the event
<descriptive text>	This is an optional string which describes an event
<operator data>	This is an optional field which holds a 160 character string containing extra text or data to assist the operator in clearing a fault. This field contains any data output with a filtered SL-1 alarm (e.g. loop number, TN, etc.)
<expert data>	This is an optional variable length character string which contains extra text or data for a system expert or designer.

The following are samples of fancy format output:

```
*** BUG015 15/12/95  12:05:45  00345
EXPDATA: 04BEF0FC 05500FBA  05500EE2  05500EC6 05500EAA
BUG015 + 05500E72 + 05500E56 + 0550D96 + 055053A + 04D84E02 +
04D83CFC
BUG015 + 04D835CA 04D81BAE 04D7EABE 04F7EABE 04F7EDF2 04F7EFC
04F7E1B0

*      ERR00220 15/12/92 12:05:27 00346
OPRDATA: 51

       VAS0010 15/12/92 12:06:11 00347 VMBA     VAS 5
```

Unformatted Output

Unformatted data consists of only the report ID and perhaps additional text. The following is a sample of unformatted output:

```
BUG015
BUG015 + 04BEF0FC 05500FBA 05500EE2 05500EAA 0550E8E
BUG015 + 05500E72 05500E56 05500D96 0550053A 04D84E02
BUG015 + 04D835CA 04D81BAE 04D7EABE 04F7EDF2 04F7E2FC 04&E1B0
BUG015 + 04F7E148

ERR00220 51
VAS0010
```

Ethernet and Point-to-Point Protocol

LD 117 is used to configure and manage an IP network interface. The large systems are hardware-equipped with an Ethernet controller on the I/O processor (IOP) card. Each IOP card is equipped with a Local Area Network Controller for Ethernet (LANCE) which is preconfigured with an unique Ethernet address.

The Small Systems and CS 1000S systems can be hardware-equipped with Ethernet daughterboards on the System Controller card. They support both Ethernet and Point-to-Point Protocol.

For large systems the unique 48-bit long physical address (Ethernet address) is a assigned to the Ethernet controller on the IOP. On a single CPU M1 system, there is only one IOP which contains one Ethernet interface and an IP address which must be configured. Single CPU systems use only a Primary IP address.

On a redundant or dual CPU M1 system, two IP addresses must be specified: Primary and Secondary. A dual CPU M1 system operating normally will use the Primary IP address. A dual CPU M1 system operating in split mode (the mode used only when upgrading software or hardware) will use the Secondary IP address.

Remote access to the switches is made possible with Point-to-Point Protocol (PPP). LD 117 is used to configure IP addresses for Point-to-Point Protocol.

The large system Ethernet interface is provided by the IOP card with AUI cable on the back panel on Options 51C, 61C, 81 and 81C. The Small System provides an Ethernet interface through an ethernet connection on the main cabinet. The CS 1000S system provides an Ethernet interface through an ethernet connection on the Call Server. The Point-to-Point Protocol (PPP) is established via asynchronous connection to any system SDI port. The IP addresses for Ethernet and PPP interface is configured in Overlay 117, and defaults are available for all new installation and upgrades.

How to Configure Ethernet and Point-to-Point Protocol

The following tables explain how to configure IP addresses for Ethernet and Point-to-Point Protocol. These two tables are followed by examples.

Configure ELAN IP address for the Ethernet Interface (10BaseT)

Step	Action
1	Load Overlay 117
2	Create host entries
3	Assign host to primary and/or secondary IP address(es)
4	Set up Ethernet subnet mask
5	Set up routing entry

Configure ELAN IP address for the Point-to-Point Protocol Interface (10BaseT)

Step	Action
1	Load Overlay 117
2	Create host entries
3	Assign host to primary and/or secondary IP address(es)

Example 1
Configure ELAN IP address for the Ethernet Interface (10BaseT)

Given: Primary IP address: 47.1.1.10 ; Secondary IP address: 47.1.1.11; Subnet mask: 255.255.255.0; Default Gateway IP: 47.1.1.1

Step	Action
1	Load Overlay 117

Example 1
Configure ELAN IP address for the Ethernet Interface (10BaseT)

2 Create host entries. Enter one of the following commands:

NEW HOST PRIMARY_IP 47.1.1.10

NEW HOST GATEWAY_IP 47.1.1.1 (if connected to customer LAN)

NEW HOST GATEWAY_IP 47.1.1.1 (if connected to customer LAN)

3 Assign host to primary and/or secondary IP address(es). Enter one of the following commands:

CHG ELNK ACTIVE PRIMARY_IP

CHG ELNK INACTIVE SECONDARY_IP (for Dual CPU only)

Verify your IP address for Ethernet by entering the PRT ENLK command.

Note: To reuse the active host entry and/or associated IP address, the existing entry must be removed. Prior to removing the existing enty, you must first create a temporary host entry and make it active. Out the original host entry, then proceed to Step 2.

4 Set up Ethernet subnet mask. Enter the command:

CHG MASK 255.255.255.0

Verify subnet mask setting by entering the command: PRT MASK

5 Set up routing entry. Enter the command:

NEW ROUTE 0.0.0.0 47.1.1.1 (if connected to customer LAN)

Where: 0.0.0.0 = destination network IP and 47.1.1.1 = default gateway IP

Note: When more than one gateway exists, replace 0.0.0.0 with the destination network address for each entry of the routing table.

Verify default routing by entering the command: PRT ROUTE

Example 1
Configure ELAN IP address for the Ethernet Interface (10BaseT)

Note 1: For a single CPU machine, the secondary IP is not used.

Note 2: The secondary IP is only accessible when a system is in split mode.

Note 3: The subnet mask must be the same value used for the system Ethernet network.

Note 4: The system private Ethernet (ELAN subnet) is used for system access and control. Use an internet gateway to isolate the system private Ethernet from the Customer Enterprise Network.

Note 5: Routing information is required if an internet gateway or router connects a system private network (ELAN subnet) to the Customer Enterprise Network.

Note 6: INI is required for the activation of subnet Mask.

Example 2
Configure ELAN IP address for the Point-to-Point Protocol Interface (10BaseT)

Given: Local IP address: 172.1.1.1; Remote IP address 100.1.1.1

Step	Action
1	Load Overlay 117
2	Create host entries. Enter one of the following commands: NEW HOST LOCAL_PPP 172.1.1.1 NEW HOST REMOTE_PPP 100.1.1.1 (this entry is optional)
3	Assign host to primary and/or secondary IP address(es). Enter one of the following commands: CHG PPP LOCAL LOCAL_PPP 0 (always use interface #0) CHG PPP REMOTE REMOTE_PPP 0 (this entry is optional) Verify your IP address(es) for PPP by entering the PRT PPP command.

Command descriptions

Command	Definition	Description
****	Abort	Abort overlay or Printing if it is printing an Inventory file
BROWSE	Browse	Browse an existing System Event List
CHG	Change	Change/modify object configuration
DIS	Disable	Disable Point-to-Point Protocol
ENL	Enable	Enable Point-to-Point Protocol
INV GENERATE	Enable	Enable inventory
INV MIDNIGHT	Enable	Set Midnight routine for inventory
INV PRT	Print	Print out the status of the Inventory feature
NEW	New	Add and configure new object
OUT	Out	Delete existing object
PRT	Print	Print configuration of existing object
RST	Reset	Reset Object
SET	Set	Set ELNK subnet mask to configured value
STAT	Status	Display object statistics
STIP	Status	Display resource locator module information
TEST	Test	Test Object
UPDATE	Update	Update INET database

Object descriptions

Object	Description
DBS	Database
DNIP	IP address of IP Phone
EDT	Event Default Table: Table of default event entries and associated severities
ELNK	Ethernet interface
ELNK ACTIVE	Active Ethernet Link: Change the Primary IP address and host name
ELNK INACTIVE	Inactive Ethernet Link: Change the Secondary IP address and host name
EPT	Event Preference Table: Table of customer's event entries with associated severities
FMT_OUTPUT	Formatted Output: Determine if system events uses formatted (also called fancy) or unformatted output.
HOST	Host name
IPDN	IP address of configured DN
IPR	IP connectivity configuration associated with specified port
IPM	IP connectivity configuration associated with main cabinet
MASK	Subnet mask
OPEN_ALARM	Open Simple Network Management Protocol (SNMP) traps setting
PPP	Point-to-Point Protocol interface
PPP LOCAL	Local Point-to-Point Protocol interface address
PPP REMOTE	Remote Point-to-Point Protocol interface address
PTM	Point-to-Point Protocol idle Timer
ROUTE	Configure new routing entry
SELSIZE	System Event List Size: Number of events in System Event Log
SEL	System Event List
SUPPRESS	Suppress count: Number of times the same event is processed before it is suppressed
TIMER	Global window timer length

How to configure IP Connectivity with CS 1000S

The following tables explain IP Connectivity set-up using Bootp and Manual Configuration. The tables are followed by examples.

IMPORTANT
CS 1000S does not support IP addresses of all zeros (0) or all ones (1).

Point-to-Point configuration - Call Server, Bootp is used

To configure Mac addresses for the MG 1000S 100BaseT daughterboard in a Point-to-Point configuration, use the following steps. Full IP connectivity configuration for the system is done on the Call Server side in OVL117. Bootp protocol is used to automatically configure IP parameter on the MG 1000S.

Configure MAC address for the 100BaseT daughterboard.

Step	Action
1	Load Overlay 117.
2	Configure MAC address.
3	Reboot Call Server.

Example 1
Configure MAC address for the 100BaseT daughterboard.

Given: MAC address of the 100BaseT daughterboard on the MG 1000S: 00:90:cf:03:71:15
The MG 1000S is connected to the port number 1 of the Call Server.

Step	Action
1	Load Overlay 117.
2	Configure the MAC address. Enter the following commands: CHG IPR 1 00:90:cf:03:71:15 Verify the MAC address by entering the PRT IPR command.

Example 1 **Configure MAC address for the 100BaseT daughterboard.**	
3	Reboot the Call Server.

Recommended BootP configuration for Layer 2 LAN configuration – Call Server only

The following tables explain how to configure MAC and IP addresses for the 100BaseT daughterboard in a Layer 2 LAN configuration. Full IP connectivity configuration for the system occurs on the Call Server side in OVL117. The MG 1000S does not need to be configured. Bootp protocol is used to automatically configure IP parameter on the MG 1000S. BootP is the recommended Layer 2 configuration procedure.

Configure MAC and IP addresses for the Call Server and MG 1000S TLAN 100BaseT ports.	
Step	**Action**
1	Load Overlay 117.
2	Configure the MAC and IP address of the MG 1000S 100BaseT.
3	Configure the IP address of the Call Server 100BaseT.
4	Reboot the Call Server.

Example 2
Configure MAC and IP addresses for the Call Server and MG 1000S TLAN 100BaseT ports.

Given: MAC address of the 100BaseT daughter board on the MG 1000S: 00:90:cf:03:71:15;
IP address of the MG 1000S 100BaseT: 47.147.75.101;
Subnet Mask of the MG 1000S 100BaseT: 255.255.255.0;
IP address of the Call Server 100BaseT: 47.147.75.100;
Subnet Mask of the Call Server 100Base: 255.255.255.0;
The MG 1000S is connected to the slot number 1 of the Call Server.

Step	Action
1	Load Overlay 117
2	Configure the MAC and IP address of the MG 1000S 100BaseT. Enter the following command: CHG IPR 1 00:90:cf:03:71:15 47.147.75.101 255.255.255.0 YES Verify by entering the command: PRT IPR 1
3	Configure the IP address of the Call Server 100BaseT. Enter the following command: CHG IPM 1 47.147.75.100 255.255.255.0 Verify by entering command: PRT IPM 1
4	Reboot the Call Server.

Manual Layer 2 configuration – Call Server and MG 1000S

When using manual configuration the following steps are required for both the Call Server and MG 1000S.

IP connectivity Layer 2 configuration for the Call Server side occurs in OVL117. These steps are followed to configure MAC and IP addresses for the 100BaseT daughterboard in a Layer 2 configuration on the Call Server side:

Configure MAC and IP addresses for the Call Server TLAN 100BaseT ports and subnet mask.

Step	Action
1	Load Overlay 117.
2	Configure the MAC and IP address of the MG 1000S 100BaseT.
3	Configure the IP address on the Call Server 100BaseT.
4	Reboot the Call Server.

Example 3
Configure MAC and IP addresses for the Call Server TLAN 100BaseT ports and subnet mask.

Given: IP address of the Call Server 100BaseT: 47.147.75.100;
Subnet Mask of the Call Server 100BaseT: 255.255.255.0;
The MG 1000S 1 is connected to the port number 1 of the 100BaseT daughterboard on the Call Server.

Step	Action
1	Load Overlay 117.
2	Configure the MAC and IP address of the MG 1000S 100BaseT. Enter the following command: CHG IPR 1 00:90:cf:03:71:15 47.147.75.101 255.255.255.0 YES Verify by entering the command: PRT IPR 1

Example 3
Configure MAC and IP addresses for the Call Server TLAN 100BaseT ports and subnet mask.

3	Configure the IP address of the Call Server 100BaseT. Enter the following command: CHG IPM 1 47.147.75.100 255.255.255.0 Verify by entering the command: PRT IPM 1
4	Reboot the Call Server.

The Layer 2 IP connectivity configuration for the MG 1000S side occurs during system installation when Manual configuration has been chosen. These steps are followed to configure IP address for the 100BaseT daughter board in a Layer 2 configuration on the MG 1000S side: TTY needs to be connected to the MG 1000S.

Configure MAC and IP address for MG 1000S TLAN 100BaseT port.

Step	Action
1	Choose Manual configuration option from the installation menu.
2	Configure the IP address of the MG 1000S 100BaseT.
3	Configure the MG 1000S NetMask.
4	Configure the IP address of the Call Server.

Example 4
Configure MAC and IP address for MG 1000S TLAN 100BaseT port.

Given: IP address of the MG 1000S 100BaseT: 47.147.75.101;
Subnet Mask of the MG 1000S 100BaseT: 255.255.255.0;
IP address of the Call Server 100BaseT: 47.147.75.100;
The MG 1000S is connected to slot number 1 of the Call Server.

Step	Action
1	IP parameters for this module are obtained by: 1. Automatically using BootP 2. Using Manual configuration Enter your selection: 2
2	Enter the MG 1000S IP address: 47.147.75.101 Enter the MG 1000S NetMask: 255.255.255.0 Enter the Call Server IP address: 47.147.75.100 ***Note:*** If the MG 1000S IP address is on a subnet different than the Call Server IP address then the default MG 1000S Address (0.0.0.0) is required.

Manual Layer 3 configuration – Call Server and MG 1000S

The IP connectivity Layer 3 for the Call Server is configured in OVL117.

Note: For Layer 3, manual configuration is mandatory.

These steps are followed to configure MAC and IP addresses for the 100BaseT daughterboard in a Layer 3 configuration on the Call Server side:

Configure MAC and IP address and routing entry for the Call Server TLAN 100BaseT ports.

Step	Action
1	Load Overlay 117.
2	Configure the MAC and IP address of the MG 1000S 100BaseT.
3	Configure the IP address of the Call Server 100BaseT.
4	Configure routing entry between the Call Server and MG 1000S.
5	Reboot the Call Server.

Example 5
Configure MAC and IP address and routing entry for the Call Server TLAN 100BaseT ports.

Given: IP address of the Call Server 100BaseT port 1: 47.147.10.100;
Subnet Mask of the Call Server 100BaseT: 255.255.255.0;
Gateway address on Call Server: 47.147.10.1;
IP address of the MG 1000S 1: 47.147.20.101
The MG 1000S 1 is connected to the port number 1 of the 100BaseT daughterboard on the Call Server.

Step	Action
1	Load Overlay 117.
2	Configure the MAC and IP address of the MG 1000S 100BaseT. Enter the following command: CHG IPR 1 00:90:cf:03:71:15 47.147.20.101 255.255.255.0 YES Verify by entering the command: PRT IPR 1

Example 5
Configure MAC and IP address and routing entry for the Call Server TLAN 100BaseT ports.

3	Configure IP address of the Call Server 100BaseT. Enter the following command: CHG IPM 1 47.147.10.100 255.255.255.0 Verify by entering command: PRT IPM 1
4	Configure new route to reach IPR: NEW ROUTE 47.147.20.0 47.147.10.1 0 1
5	Configure new route to reach IPM Local subnet: NEW ROUTE 47.147.10.0 47.147.20.100 0 1
6	Reboot Call Server.

The Layer 3 IP connectivity configuration for the MG 1000S side is configured during system installation when Manual configuration has been chosen. These steps are followed to configure IP address for the 100BaseT daughterboard in a Layer 3 configuration on the MG 1000S side:

Configure MAC and IP address and router entry for MG 1000S TLAN (100BaseT) port.

Step	Action
1	Choose the Manual configuration option from the installation menu.
2	Configure the IP address of the MG 1000S 100BaseT.
3	Configure the IP MG 1000S NetMask.
4	Configure the IP address on the Call Server.
5	Configure the MG 1000S Routing address.

Example 6
Configure MAC and IP address and router entry for MG 1000S TLAN (100BaseT) port.

Given: IP address of the MG 1000S 100BaseT: 47.147.20.101;
Subnet Mask of the MG 1000S 100BaseT: 255.255.255.0;
Gateway address for MG 1000S: 47.147.20.1;
IP address of the Call Server 100BaseT: 47.147.10.100;
The MG 1000S is connected to slot number 1 of the Call Server.

Step	Action
1	IP parameters for this module are obtained by: 1. Automatically using BootP 2. Using Manual configuration Enter your selection: 2
2	Enter the MG 1000S IP address: 47.147.20.101 Enter the MG 1000S NetMask: 255.255.255.0 Enter the Call Server IP address: 47.147.10.100 Enter the MG 1000S Router/Gateway address: 47.147.20.1

Auto-Negotiate on 100BaseT ports

The Auto-Negotiation feature must be enabled on each Main Cabinet/Call Server and Expansion Cabinet/MG 1000S ethernet port to allow bandwidth negotiation of 100 Mbps full duplex.

> ***Note:*** These commands are executed on the Main Cabinet/Call Server side.

The commands for enabling auto-negotiation are:

- Main Cabinet/Call Server ports
  CHG AUTONEG IPM <port> <a...a>
- Expansion Cabinet/MG 1000S port
  CHG AUTONEG IPR <port> <a...a>

To enable Auto-Negotiation with a Expansion Cabinet/MG 1000S configured on port one, enter the following commands:

```
CHG AUTONEG IPM 1 ON

CHG AUTONEG IPR 1 ON
```

IMPORTANT

When auto-negotiation is enabled, if a link is already up, a LINK DOWN message is reported on the TTY. This is normal since the data ports must perform the bandwidth negotiation protocol to obtain its required 100Mbps full duplex. This process could take 5 to 7 seconds. Once the process is complete, a LINK UP message is reported and the system is ready for normal operations.

To get the status of the auto-negotiation process, after process completion, enter the following commands:

```
STAT AUTONEG IPM

STAT AUTONEG IPR
```

The following is a sample print out for the Main Cabinet/Call Server:

```
AUTO-NEGOTIATE LINK PARTNER STATUS - MAIN/CALL
SERVER PORTS
-------------------------------------------------
PORT Bandwidth Duplex Mode AutoNegotiate
=================================================

IPM 1 UNKNOWN UNKNOWN ON
IPM 2 UNKNOWN UNKNOWN
IPM 3 100 Mbps  full duplex  ON
IPM 4 UNKNOWN UNKNOWN
```

If the auto-negotiation process is successful, it will return " 100 Mbps full duplex". Otherwise UNKNOWN is reported, indicating a failure in negotiating the 100 Mbps full duplex bandwidth.

The following is a sample print out for the MG 1000S:

```
AUTO-NEGOTIATE LINK PARTNER STATUS - EXPANSION/MEDIA
GATEWAY PORTS
-------------------------------------------------
PORT Bandwidth Duplex Mode AutoNegotiate
=================================================

IPR 1 UNKNOWN UNKNOWN ON
IPR 2 UNKNOWN UNKNOWN
IPR 3 100 Mbps  full duplex  ON
IPR 4 UNKNOWN UNKNOWN
```

If the auto-negotiation process is successful, it will return " 100 Mbps full duplex". Otherwise UNKNOWN is reported, indicating a failure in negotiating the 100 Mbps full duplex bandwidth.

IP command descriptions

Command	Definition	Description
CHG AUTONEG IPM	Change	Change Auto-Negotiation for Main Cabinet ports.
CHG AUTONEG IPR	Change	Change Auto-Negotiation for Expansion Cabinet port.
CHG AUTOSB <cab> <a...a>	Change	Change the automatic switch back option of a given Expansion Cabinet
CHG CACVT <Zone> <1-(48)-255>		
	Change	Configure the zone-to-zone record validity time interval, where: • Zone = 0-255 • 1-(48)-255 = interval in hours
CHG CD <Zone> <1-(50)-100>		
	Change	Change the Cd coefficient in the formula that determines how quickly an alarm reduces the Sliding Maximum bandwidth for the identified zone, where: • Zone = 0-255 • 1-(50)-100 = Cd coefficient
CHG CPL <Zone> <1-(50)-100>		
		Change the Cpl coefficient in the formula that determines how quickly an alarm reduces the Sliding Maximum bandwidth for the identified zone, where: • Zone = 0-255 • 1-(50)-100 = Cpl coefficient
CHG ES1 <Echo Server IP Address> <Echo Server Port>		
	Change	Change Echo Server 1's IP address and port number, where: • Echo Server 1 IP Address = (0.0.0.0) • Echo Server 1 Port number = (10000) ***Note:*** Echo Server 1 IP address uses the TLAN IP address of the LTPS card.

Command	Definition	Description
CHG ES2 <Echo Server IP Address> <Echo Server Port>		
	Change	Change the Echo Server 2 IP address and port number, where: • Echo Server 2 IP Address = (0.0.0.0) • Echo Server 2 Port number = (10000) ***Note:*** Echo Server 2 IP address uses the node IP address on the node's master card.
CHG IPM <port> <ip> [mask]		
	Change	Changes the IP connectivity configuration associated with the Main Cabinet end of the specified port.
CHG IPR <port> <mac> [ip] [mask] [a...a]		
	Change	Change the IP connectivity configuration data associated with the Expansion Cabinet end of the specified port, where: • a...a = zeroBandwidth = (NO) YES Default value for zeroBandwidth means that in a 'no traffic condition' bandwidth is not brought down to zero. Use NO in a PTP configuration, when data units are configured on the Expansion Cabinet to avoid potential packet loss. Use YES in a Layer 2 or Layer 3 configuration to bring the bandwidth down to zero in a no traffic condition.
CHG NKT	Change	Change NAT Mapping Keep Alive time-out setting of port mapping for devices behind a NAT router, where: time out setting = 0-(30)-60 seconds
CHG PDV <port> <delay>	Change	Set Packet Delay Variation (PDV) buffer size and delay.
CHG PPP LOCAL <hostname> [cab]		
	Change	Set CS 1000S local Point-to-point Protocol interface IP address.

Command	Definition	Description
CHG PPP REMOTE <hostname> [cab]		
	Change	Set CS 1000S remote Point-to-point Protocol interface IP address.
CHG PTM <xx> [cab]	Change	Change Point-to-Point Protocol Timer.
CHG SWOTO <cab> <x...x>		
	Change	Change the switch over time out timer of a given MG 1000S.
CHG SURV <cab> <a...a>		
	Change	Change Survivable Capability of a given MG 1000S.
CHG ZACB <Zone> <AC1-AC2> <AC1-AC2>		
	Change	Define the access codes used to modify local calls in the branch office zone.
CHG ZBRN <Zone> <a...a>		
	Change	Define a zone as a branch office zone
CHG ZDES <Zone> <ZoneDescription>		
	Change	Assign the Zone a descriptive name (ZoneDescription)
CHG ZDP <Zone> <DialingCode1> <DialingCode2> <DialingCode3>		
	Change	Define the dialing plan for the branch office zone.
CHG ZDST <Zone> a...a <StartMonth> <StartWeek> <StartDay> <StartHour> <EndMonth> <EndWeek> <EndDay> <EndHour>		
	Change	Specify whether the branch office zone observes daylight savings time.
CHG ZESA <Zone> <ESARLI> <ESAPrefix> <ESALocator>		
	Change	Defines the emergency services access (ESA) parameters for the branch office zone. These parameters are only used if the ESA package is enabled.

Command	Definition	Description
CHG ZONE <ZoneNumber> <intraZoneBandwidth> <intraZoneStrategy> <interZoneBandwidth> <interZoneStrategy> <a...a>		Change the parameters of an existing Zone. All parameters must be re-entered, where: • ZoneNumber = 0-255 • intraZoneBandwidth = Intrazone available bandwidth (0 to 0.1MBps) • intraZoneStrategy = BQ or BB, Intrazone preferred strategy (BQ for Best Quality or BB for best Bandwidth) • interZoneBandwidth = Interzone available bandwidth (0 to 0.1MBps) • interZoneStrategy = BQ or BB, Interzone perferred strategy ((BQ for Best Quality or BB for best Bandwidth) a...a = type of zone (shared or private) Shared: This is the current default zone type. The ethersets configured in shared zones use DSP resources configured in shared zones. If all of the shared zones' gateway channels are used, the caller will receive an overflow tone and the call is blocked. The order of channel selection for the gateway channels is: 1. channel from same zone as etherset is configured 2. any available channel from the shared zones' channels Private: This zone type is introduced by IPL 3.0. DSP channels configured in a private zone are only used by ethersets which have also been configured for that private zone. If more DSP resources are required by these ethersets than what are available in the zone, DSPs from other zones will be used. However, ethersets configured in shared zones aren't able to use the private zones' channels. The order of selection for the gateway channels is: 1. channel from same private zone as etherset is configured 2. any available channel from the pool of shared zones' channels

Command	Definition	Description
CHG ZTDF <Zone> <TimeDifferenceFromHeadOffice>		
	Change	Specify the time difference between the Main Office and the branch office when both are not in Daylight Saving Time.
DIS ZBR <Zone> [ALL] [LOC] [ESA] [TIM]		
	Disable	Disable features of the branch office zone.
DWL DBS [cab]	Download	Download 100BaseT database to the specified Expansion Cabinet.
ENL ZBR <Zone> [ALL] [LOC] [ESA] [TIM]		
	Enable	Enable features for the branch office zone.
NEW HOST <hostname> <IPaddress> [cab]		
	Enable	Configure a new host entry. ***Note:*** To reuse the active host entry and/or associated IP address, the existing host entry must be removed. Prior to removing the existing host entry, you must first create a temporary host entry and make it active. Out the original host entry and re-create your intended host entry.
NEW ROUTE <destination IP> <gateway> [cab] [port]		
	Enable	Configure a new routing entry.
NEW ZONE xxx p1 p2 p3 p4 <shared/private>		
	Enable	Create a new zone with parameters.
PRT CAB [cab]	Print	Print parameters and survivable capability of the specified Expansion Cabinet.
PRT DNIP <DN> [<CustomerNo>]		
	Print	Print a list of IP addresses for each IP Phone registered with the specified DN. ***Note:*** A partial DN can be entered.
PRT ES1	Print	Print Echo Server 1's IP address and port number.
PRT ES2	Print	Print the Echo Server 2 IP address and port number.

Command	Definition	Description
PRT ESS	Print	Print both Echo Servers IP address and port number.
PRT IPDN <IPAddress>	Print	Print a list of DNs configured for the specified IP address(es). ***Note:*** Partial IP addresses can be entered with only the leading digits of the IP address (for example, 142.10), or as the IP address with zeroes at the end (for example, 142.10.0.0)
PRT IPM <port>	Print	Print the IP connectivity configuration data associated with the Main Cabinet end of the specified port.
PRT IPR <port>	Print	Print the IP connectivity configuration data associated with the Expansion Cabinet end of the specified port.
PRT NKT	Print	Print NAT Mapping Keep Alive time-out setting of port mapping for devices behind a NAT router.
PRT PDV <port>	Print	Print the current size of the PDV buffer and the number of PDV underflows
PRT PPP [cab]	Print	Print Point-to-point Protocol interface address(es)
PRT PTM [cab]	Print	Print Point-to-Point Protocol idle timer settings
PRT QOS <cab>	Print	Print level of service based on system configured thresholds for selected Expansion Cabinet.
PRT SURV [cab]	Print	Prints the Expansion Cabinet Survivable capability for all, or specified Expansion Cabinets.
PRT ZACB [<Zone>]	Print	Print a table of branch office zone dialing plan entries.
PRT ZBW [<Zone>]	Print	Print a table of zone bandwidth utilization.
PRT ZDES [<DESMatchString>]	Print	Print a table of the zone description entries.
PRT ZDP [<Zone>]	Print	Print a table of branch office zone dialing plan entries.
PRT ZESA [<Zone>]	Print	Print a table of branch office zone emergency services access (ESA) entries.
PRT ZDST [<Zone>]	Print	Print a table of branch office zone time adjustment properties entries.

Command	Definition	Description
PRT ZONE ALL	Print	Print zone information for all zones.
PRT ZONE 0-255	Print	Print zone information for a specific zone.
PRT ZTDF [<Zone>]	Print	Print a table of branch office zone time adjustment properties entries.
PRT ZTP [<Zone>]	Print	Print a table of branch office zone time adjustment properties entries.
PING ipAddress	Test	Ping far end IP address IP (voice) link UP PING to/from 100BaseT is ONLY enabled among the Call Serever and the Expansion Cabinets. They will NOT respond to PING from/to any other device in the data network. IP (voice) link DOWN PING command is enabled to/from entire data network.
STAT LINK APP <applicationType>		
	Print	Display the link information status of the server for the specified application. Where: applicationType = LTPS (Line TPS), VGW (Voice Gateway), H323 (H.323 Virtual Trunk), GK (GateKeeper)
STAT LINK IP <IP address>		
	Print	Display the link information status of the server for the specified IP address, or IP addresses of the specified sub-net. Where: IP address = the ELAN IP address of the Signaling Server or Voice Gateway Media Card ***Note:*** The IP address can be in full or partial IP address format (e.g., “10.11.12.13” or “10.11”).

Command	Definition	Description
STAT LINK NAME <hostName>		
	Print	Display the link information status of the servers based on the supplied host nam. Where: hostName = MAINSERVER
STAT LINK NODE <nodeID>		
	Print	Display the link information status of the specified node. Where: nodeID = a number from 0 - 9999 ***Note:*** The nodeID identifies the node number assigned to a group of Voice Gateway Media Cards and Signaling Server equipment.
STAT LINK SRV <serverType>		
	Print	Display the link information status of the servers for the specified server type. Where: serverType = ITGP (ITG Pentium), SMC (Media Card), SS (Signaling Server)
STAT SERV APP <applicationType>		
	Print	Display the link information status of the server for the specified application. Where: applicationType = LTPS (Line TPS), VGW (Voice Gateway), H323 (H.323 Virtual Trunk), GK (GateKeeper), SIP (Session Initiated Protocol)
STAT SERV IP <IP address>		
	Print	Display the link information status of the server for the specified IP address, or IP addresses contained in the specified sub-net. Where: IP address = the ELAN IP address of the Signaling Server or Voice Gateway Media Card. The IP address can be in full or partial IP address format (e.g., “10.11.12.13” or “10.11”).

Command	Definition	Description
STAT SERV NAME <hostName>		
	Print	Display the link information status of the servers based on the supplied host name. Where: hostName = MAINSERVER
STAT SERV NODE <nodeID>		
	Print	Display the link information status of the specified node. Where: nodeID = a number from 0 - 9999 The nodeID identifies the node number assigned to a group of Voice Gateway Media Cards and Signaling Server equipment.
STAT SERV TYPE <serverType>		
	Print	Display the server information of the specified server type. Where: serverType = ITGP (ITG Pentium), SMC (Media Card), or SS (Signaling Server)
STAT SS	Print	Display the server information of the specified Signaling Server.
STAT ZBR [<Zone>]	Print	Display status of branch office zones (displays which local dialing)
STAT ZONE [<Zone>]	Print	Display zone status table.
STIP ACF	Print	Displays status for all ACF calls
STIP ACF <status>	Print	Displays Active Call Failover (ACF) information

Command	Definition	Description
STIP HOSTIP <IP address>		
	Status	Display information contained in the resource locator module table corresponding to the specified HOSTIP address, or HOSTIP addresses contained in the specified sub-net. Where: IP address = the ELAN IP address of the Signaling Server or Voice Gateway Media Card. IP address can be in full or partial IP address format. For example, “10.11.12.13”, or “10.11”.
STIP NODE <nodeID>	Status	Display information contained in the resource locator module table corresponding to the specified node ID. Where: nodeID = a number from 0 - 9999. The nodeID identifies the node number you have assigned to a group of Voice Gateway Media Card and Signaling Server equipment.
STIP TERMIP <IP address>		
	Status	Display information contained in the resource locator module table corresponding to the specified TERMIP address, or TERMIP addresses contained in the specified sub-net. Where: IP address = the TLAN IP address of the IP Phone or Voice Gateway Media Card. ***Note:*** IP address can be in full or partial IP address format. For example, “10.11.12.13”, or “10.11”.
STIP TN l s c u	Status	Display the resource locator module information for the specified TN, or group of TNs, as denoted by the l s c u and cu parameters.

Command	Definition	Description
STIP TYPE <aaa>	Status	Display the resource locator module information for the specified TN type, where up to 3 types can be specified. Valid types are: I2002 = IP Phone 2002 I2004 = IP Phone 2004 I2050 = IP Phone 2050 ISET = all IP sets VGW = Voice Gateway resources IPTI = Virtual Trunk and IP Trunks
STIP ZONE <zone>	Status	Display the resource locator module information for the specified zone number, or range of zones. Where: zone = any valid zone number (0 - 255) in the system.
UPDATE DBS	Update	Rebuild INET database and download to all Expansion Cabinet.

Alphabetical list of Administration commands

The commands listed below use the following general structure (where "=>" is the command prompt):

=> COMMAND OBJECT [(FIELD1 value) (FIELD 2 value)... (FIELDx value)]

In the following table, COMMANDS and OBJECTS are in bold typeface and fields are in regular typeface. Fields enclosed in brackets ( ) are default values.

=> Command	Description	Pack/Rel

BROWSE SEL UP n

Browse up n # of lines in System Event List (SEL)

BROWSE SEL DOWN n

Browse down n # of lines in SEL

BROWSE SEL TOP

Browse to top of SEL

BROWSE SEL BOT

Browse to bottom of SEL

BROWSE SEL FIND xxx

Browse forward to find string xxx in SEL

BROWSE SEL BFIND xxx

Browse backward to find string xxx in SEL

=> Command	Description	Pack/Rel
CHG ADMIN_COMM n aa...a	Change the admin groups community name string, where: • n = a number from 1 to 32 • aa...a = a string with a maximum length of 32 characters, where: — Default(1) = public — Default(2) = admingroup2 — Default(3) = admingroup3 These communities are used for accessing different SNMP objects on the Call Server, Signaling Servers, and Voice Gateway Media Cards.	basic-4.0
CHG BKPR xxx a...a b...b yy	Change a Backup Rule, where: • xxx = Backup Rule number ID = (1)-100. Currently, only one rule is required for replication to the secondary system • a...a = SCS, rule type that allows direct replication to another system • b...b = ELAN IP address of the destination system • yy = (2)-10, the number of database versions to save on the destination system	grprim-4.0
CHG BKPR <rule number1-100> FMD [<N of versions>] [<name>]	Change backup rule to Fixed Media Device (FMD), where: • rule number = 1-100, Up to 100 rules can be defined. Each rule is a pattern that can be further used. FMD rules can be used by the backup schedules or for manual backup and restore operation (BKR/RSR commands activated from LD 43). • FMD = mnemonic for this rule type • N of versions = (1)-10 number of incremental backup data versions preserved on the local removable media device • name = rule name, where: — text of up to 30 characters without white spaces is allowed	basic-4.50

=> Command	Description	Pack/Rel
	Note: The <name> parameter is also added as optional when defining a new backup rule with SCS type (introduced in CS 1000 Release 4.0 Geographic Redundancy).	
CHG BKPR <rule number1-100> FTP <IP addr> <login><pwd> <path> [<N of versions1-10>] [<name>]	Change backup rule to an external FTP server, where: • <rule number> = 1-100, Up to 100 rules can be defined. Each rule is a pattern that can be further used. These rules can be used by the Geographic Redundancy Database Replication Control (GRDRC block as defined in LD-117), by the Backup Schedules for manual backup/restore operation (BKR/RSR commands activated from Ovl.43). • FTP = mnemonic for this rule type • IP addr = IP address of the FTP server to be accessed for storing (Backup) or retrieving (Restore) backup data • login = login name to access the FTP server, up to 32 characters • pwd = login password to access the FTP server, up to 32 characters • path = path on the FTP server where the backup data file (or files for incremental versions) is located, up to 64 characters • N of versions = (1)-10 number of incremental backup data versions preserved on the FTP server • name = rule name, where: — text of up to 30 characters without white spaces is allowed ***Note 1:*** The only backup rule type which can be referenced from GRDRC is SCS. ***Note 2:*** The <name> parameter is added as optional when defining a new backup rule with SCS type introduced in CS 1000 Release 4.0 Geographic Redundancy.	basic-4.50

=> Command	Description	Pack/Rel
CHG BKPR <rule number1-100> RMD [<N of versions>] [<name>]	Change backup rule to an Removable Media Device (RMD), where: • rule number = 1-100, Up to 100 rules can be defined. Each rule is a pattern that can be further used. RMD rules can be used by the backup schedules or for manual backup and restore operation (BKR/RSR commands activated from LD 43). • RMD = mnemonic for this rule type • N of versions = (1)-10 number of incremental backup data versions preserved on the local removable media device • name = rule name, where: — text of up to 30 characters without white spaces is allowed ***Note:*** The <name> parameter is also added as optional when defining a new backup rule with SCS type (introduced in CS 1000 Release 4.0 Geographic Redundancy).	basic-4.50
CHG BKPS <schedule number 1-10> <Rule for BKUP> <FREQ> <DAY> <HOUR>	Change a backup schedule, where: • Rule for BKUP = number of the backup rule for scheduled backup operation • FREQ = M/W/(D)/A - defines how often the scheduled backup will take place, where: — M = monthly — W = weekly — D = daily — A = automatically immediately after every EDD operation activated. There cannot be more than 1 schedule defined where FREQ = A ***Note:*** When FREQ = D, the next parameter is HOUR	basic-4.50

=> Command	Description	Pack/Rel

- DAY = day of the week, applicable when FREQ = W or FREQ = M, where:
  - (SU) = Sunday
  - MO = Monday
  - TU = Tuesday
  - WE = Wednesday
  - TH = Thursaday
  - FR = Friday
  - SA = Saterday
  - (1)- 31

Note: When FREQ = M and the day specified is greater than the number of days in the current month, the backup will take place on the last day of the current month.

- HOUR = 0-(3)-23

Note: This rule type is not allowed if the GRPRIM/GRSEC package is equipped and the rule is used in GRDRC.

CHG CACVT <Zone> <1-(48)-255> zcac-4.50

Configure the zone-to-zone record validity time interval, where:

- Zone = 0-255
- 1-(48)-255 = interval in hours

CHG CD <Zone> <1-(50)-100> zcac-4.50

Change the Cd coefficient in the formula that determines how quickly an alarm reduces the Sliding Maximum bandwidth for the identified zone, where:

- Zone = 0-255
- 1-(50)-100 = Cd coefficient

=> Command	Description	Pack/Rel
CHG CPL <Zone> <1-(50)-100>	Change the Cpl coefficient in the formula that determines how quickly an alarm reduces the Sliding Maximum bandwidth for the identified zone, where: • Zone = 0-255 • 1-(50)-100 = Cpl coefficient	zcac-4.50
CHG CJ <Zone> <1-(50)-100>	Change the Cj coefficient in the formula that determines how quickly an alarm reduces the Sliding Maximum bandwidth for the identified zone, where: • Zone = 0-255 • 1-(50)-100 = jitter coefficient	zcac-4.50
CHG CQOS <Zone> <1-(50)-100>	Change the QoS coefficient in the formula that determines how quickly an alarm reduces the Sliding Maximum bandwidth for the identified zone, where: • Zone = 0-255 • 1-(50)-100 = QoS coefficient	zcac-4.50
CHG CQWTH <WarnJitter> <WarnLatency> <WarnPacketLoss> <WarnRFactor>	Change VQ Warning thresholds on a per call basis, where: • WarnJitter = 5-(20)-200 msec • WarnLatency = 5-(40)-100 msec • WarnPacketLoss = 5-(20)-100 in units [1/10 of a percent] For example, 10 means 1% • WarnRFactor = 20-(65)-94 ***Note:*** Changes to threshold values are not propagated to the Signaling Server or the Voice Gateway Media card until a data dump is performed.	pvqm-4.0

=> Command	Description	Pack/Rel
CHG CQUTH <UnacpJitter> <UnacpLatency> <UnacpPacketLoss> <UnacpRFactor>	Change VQ Unacceptable thresholds on a per call basis, where: • UnacpJitter = 5-(40)-500 msec • UnacpLatency = 5-(100)-500 msec • UnacpPacketLoss = 5-(70)-250 in units [1/10 of a percent] For example, 10 means 1% • UnacpRFactor = 20-(60)-94 ***Note:*** Changes to threshold values are not propagated to the Signaling Server or the Voice Gateway Media card until a data dump is performed.	pvqm-4.0
CHG CR <Zone> <1-(50)-100>	Change the Cr co-efficient in the formula that determines how quickly an alarm reduces the Sliding Maximum bandwidth for the identified zone, where: • Zone = 0-255 • 1-(50)-100 = Cr coefficient	zcac-4.50
CHG EDT NORMAL	Use Event Default Table (EDT) default severities	alrm_filter-21
CHG EDT INFO	Override EDT; use INFO as default severity for all events except those specified in Event Preference Table (EPT)	alrm_filter-21
CHG EDT MINOR	Override EDT; use MINOR as default severity for all events except those specified in Event Preference Table (EPT)	alrm_filter-21
CHG ELNK ACTIVE hostname	Set system active Ethernet interface IP address	
CHG ELNK INACTIVE hostname	Set system inactive Ethernet interface IP address	

=> Command	Description	Pack/Rel
CHG EPT aa... a INFO x	Change an Event Preference Table (EPT) entry to Information severity, where: • aa... a = an event class with an event number (e.g. BUG1000, ERR0025) • x = optional entry to escalate value of EPT entry from (0)-Suppress value, as defined by default or your CHG SUPPRESS entry	alrm_filter-21
CHG EPT aa... a EDT x	Change EPT to NT-defined severity from EDT, where: • aa... a = an event class with an event number (e.g. BUG1000, ERR0025) • x = optional entry to escalate value of EPT entry from (0)-Suppress value, as defined by default or your CHG SUPPRESS entry	alrm_filter-21
CHG EPT aa... a MAJOR x	Change an EPT entry to Major severity, where: • aa... a = an event class with an event number (e.g. BUG1000, ERR0025) • x = optional entry to escalate value of EPT entry from (0)-Suppress value, as defined by default or your CHG SUPPRESS entry	alrm_filter-21
CHG EPT aa... a MINOR x	Change an EPT entry to Minor severity, where: • aa... a = an event class with an event number (e.g. BUG1000, ERR0025) • x = optional entry to escalate value of EPT entry from (0)-Suppress value, as defined by default or your CHG SUPPRESS entry	alrm_filter-21

=> Command	Description	Pack/Rel
CHG EPT aa... a CRITICAL x	Change an EPT entry to Critical severity, where: • aa... a = an event class with an event number (e.g. BUG1000, ERR0025) • x = optional entry to escalate value of EPT entry from (0)-Suppress value, as defined by default or your CHG SUPPRESS entry	alrm_filter-21
CHG ES1 <Echo Server IP Address> <Echo Server Port>	Change Echo Server 1's IP address and port number, where: • Echo Server 1 IP Address = (0.0.0.0) • Echo Server 1 Port number = (10000) ***Note:*** Echo Server 1 IP address uses the TLAN IP address of the LTPS card.	basic-4.0
CHG ES2 <Echo Server IP Address> <Echo Server Port>	Change the Echo Server 2 IP address and port number, where: • Echo Server IP Address = (0.0.0.0) • Echo Server Port = (10000) ***Note:*** Echo Server 2 default IP address uses the node IP address on the node's master card.	basic-4.0
CHG FMT_OUTPUT OFF	Turn off formatted output	alrm_filter-21
CHG FMT_OUTPUT ON	Turn on formatted output	alrm_filter-21

=> Command	Description	Pack/Rel
CHG GRDRC xxx aaa yyy bbb ccc	Change current GRDRC block, where: • xxx = Backup Rule number. • aaa = how the automatic database replication to the secondary system occurs, where: — (IMM) - immediately after any data dump operation — MIDN - after midnight data dump only — NO - not allowed • yyy = Backup Rule number used for the restore operation on the secondary system. If no rule number is entered, then this points to the <BKUP rule>. • bbb = (YES) NO, Allow or deny automatic restore operation on the secondary system • ccc = (YES) NO, Allow or deny automatic sysload after successful automatic restore on the secondary system ***Note:*** ccc = YES is only allowed if bbb = YES	grprim-4.0
CHG GRSC xxx yyy zzz a..a	Change current GRSC block, where: • xxx = (1)-10% x (Basic IP User License + IP User License), the number of IP phones that must register on the secondary system for the system to escalate to the ACTIVATING state • yyy = (5)-600, Short Term Failure Timer in minutes • zzz = (5)-180, Failure Clearance Timer in minutes • a..a = (AUTO) MAN, Secondary system Deactivation Mode, where: — (AUTO) = Automatic — MAN = Manual	grprim-4.0
CHG HSP_MASK <subnet mask>	Modify the manually-configured subnet mask, if it exists; otherwise, the subnet mask to the Call Server is added	basic-4.50

=> Command	Description	Pack/Rel

CHG IPR x mac ip mask

Change the IP connectivity configuration data associated with the IP Expansion cabinet end of the specified port, where:

- x = 1-4, port number of the main cabinet to which the expansion cabinet is connected
- mac = xx:xx:xx:xx:xx:xx, MAC address obtained from the sticker on the IP daughterboard mounted on the IP Expansion SSC, where:
  - x is a hexidecimal digit in the range 0-F
- ip = x.x.x.x, Internet Protocol address, where:
  - x is an integer in the range 0-255
- mask = x.x.x.x , subnet mask, where:
  - x is an interger in the range 0-255

CHG IPM x ip mask

Change the IP connectivity configuration associated with the main cabinet end of the specified port, where:

- x = 1-4, port number of the main cabinet to which the expansion cabinet is connected
- ip = x.x.x.x, Internet Protocol address, where:
  - x is an integer in the range 0-255
- mask = x.x.x.x , subnet mask, where:
  - x is an interger in the range 0-255

CHG MASK nnn.nnn.nnn.nnn

Change subnet mask

CHG NAV_SITE aa... a

Change the navigation site name (MyCity, for example), where: basic-4.0

- aa...a = a string with maximum length of 32 characters
- default = Navigation Site Name

Note: Use a single X to clear the field.

=> Command	Description	Pack/Rel
CHG NAV_SYSTEM aa... a	Change the navigation site name (Station Switch, for example) where: • aa...a = a string with a maximum length of 32 characters • default = Navigation Site Name ***Note:*** Use a single X to clear the field.	basic-4.0
CHG NKT	Change NAT Mapping Keep Alive time-out setting of port mapping for devices behind a NAT router, where: • time out setting = 0-(30)-60 seconds	basic-4.0
CHG PPP LOCAL hostname	Set Meridian 1 local Point-to-point Protocol interface IP address	
CHG PPP REMOTE hostname	Set Meridian 1 remote Point-to-point Protocol interface IP address	
CHG PTM 0-60	Change Point-to-point Protocol idle timer to specified value, where: • 0-60 = value in minutes	
CHG SELSIZE 5-(500)-2000	Change System Event List Size, where: • 5-(500)-2000 = number of events in SEL	
CHG SNMP_SYSCONTACT aa... a	Change the contact person name for this machine, where: • aa...a = a string with a maximum length of 100 characters • default = System Contact ***Note:*** Use a single X to clear the field.	basic-4.0

=> Command	Description	Pack/Rel
CHG SNMP_SYSLOC aa...a	Change the defined physical location for this machine, where: • aa...a = a string with a maximum length of 100 characters • default = System Location ***Note:*** Use a single X to clear the field.	basic-4.0
CHG SNMP_SYSNAME aa...a	Change the name assigned to this machine, where: • aa...a = a string with a maximum length of 100 characters • Default = Navigation Site Name : Navigation System Name : Hostname ***Note:*** Use a single X to clear the field.	basic-4.0
CHG SNMP_SYSNAME NAV	Revert the name assigned to this machine to the default name. The default name is comprised of the currently configured NAV_SITE : NAV_SYSTEM: HOSTNAME	basic-4.0
CHG SQOS <SamplePeriod> <SampleRateWindow> <MinSampleCnt>	Change VQ sampling parameters, where: • SamplePeriod = 5-(30)-60 seconds • SampleRateWindow = 60-(300)-3600 seconds • MinSampleCnt = 50-(100)-1000	pvqm-4.0
CHG SUPPRESS 5-(15)-127	Change global suppress for events, where: • 5-(15)-127 = number of occurrences before event is suppressed	alrm_filter-21
CHG SYSMGMT_RD_COMM n aa...a	Change the system management read-only community name string, where: • aa...a = a string with a maximum length of 32 characters	basic-4.0

=> Command	Description	Pack/Rel
CHG SYSMGMT_WR_COMM n aa...a	Change the system management read / write community name string, where: • aa...a = a string with a maximum length of 32 characters	basic-4.0
CHG TIMER (1)-60	Change global timer window length, where: • (1)-60 = time in minutes ***Note:*** See “Global window timer length” on page 1091 for more information.	alrm_filter-21
CHG ZACB <Zone>[ALL] [<AC1...AC2> <AC1...AC2>]	Define the access codes used to modify local calls in the branch office zone, where: • ALL = both AC1 and AC2 receive digit manipulation and no re-translation occurs • AC1 = the first Access Code parameter defines which NARS Access Code to consider as the source of local calls • AC2 = the second Access Code parameter defines which NARS Access Code to send the modified number to for retranslation. ***Note:*** If NARS is configured as recommended in the NTPs, this would be AC2 for local call and AC1 for retranslation.	

=> Command	Description	Pack/Rel

CHG ZALT <zone> <ALTPrefix> [<All_calls>] basic-4.50

Change Alternate Prefix number for zone, where:

- zone = 0-255
- ALTPrefix = digit string of up to 7 digits that is added to the start of dialed number if the call will not be routed through the WAN due to lack of bandwidth, poor QoS or feature is configured for all calls.
- All_calls = Allow or Deny Alternative Routing for all calls, where:
  - (NO) = deny
  - YES = allow

CHG ZAST <zone> [<AlarmSuppressTime>] basic-4.50

Changes ACR settings for particular zone, where:

- zone = 0-255
- AlarmSuppressTime = 0-3600, time in seconds

CHG ZBRN <Zone> <a...a>

Define a zone as a branch office zone, where:

- Zone = 0-255
- a...a = Yes or No

CHG ZDES <Zone> <ZoneDescription>

Assign a descriptive name to make the zone numbers more meaningful, where:

- Zone = 0-255
- ZoneDescription = descriptive name that is only used in the data display and status commands

=> Command	Description	Pack/Rel

CHG ZDP <Zone> <DialingCode1> <DialingCode2> <DialingCode3>

Define the dialing plan for the branch office zone, where:

- Zone = 0-255
- DialingCode1 = Prefix, represents the access code for long distance or international access. In North America, it is "1" for long distance access and "011" for international access. Outside North America, it is "0" for national access and "00" for international access.
- DialingCode2 = The country code or trunk code. Normally NPA when calling from within North America, and "1" when calling from outside North America.
- DialingCode3 = Destination network code. Normally not used in North America. Outside North America, it is a combination of region, city, or district codes.

=> Command	Description	Pack/Rel

CHG ZDST <Zone> a...a <StartMonth> <StartWeek> <StartDay> <StartHour> <EndMonth> <EndWeek> <EndDay> <EndHour>

Specifies whether the branch office zone observes daylight savings time, where:

- Zone = 0-255
- a...a = Yes or No, During daylight saving time, the clock automatically advances one hour forward.
- StartMonth = start month of year (1-12)
- StartWeek = start week in month (1-5)
- StartDay = start day in week (1-7)
- StartHour = start hour of day (1-23) of the start of DST
- EndMonth = end month of year (1-12)
- EndWeek = end week in month (1-5)
- EndDay = end day in week (1-7)
- EndHour = end hour of day (1-23) of the end of DST.

Note: In North America, DST normally starts on the 1st Sunday in April at 2am and ends on the last Sunday in October at 2am.

Note: The digit 5 is the last week of the month irrespective of number of weeks this month. For example: StartWeek = start week in month (1-5) [1st-5th, 5 is the last week of the month].

CHG ZESA <Zone> <ESARLI> <ESAPrefix> <ESALocator>

Defines the Emergency Services Access (ESA) parameters for the branch office zone. These parameters are only used if the ESA package is enabled, where:

- Zone = 0-255
- ESARLI = the route to use to send emergency calls to the branch office Gateway by way of the VTRK
- ESAPrefix = a digit string of up to 15 digits that is added to the start of the ESDN before it is sent to the route indicated by the ESARLI. This allows the Gatekeeper to differentiate the different destinations for otherwise identical ESDN's.
- ESALocator = the DID phone number to be sent for use by the PSAP to locate the source of the emergency call.

=> Command	Description	Pack/Rel

CHG ZONE <ZoneNumber> <intraZoneBandwidth> <intraZoneStrategy> <interZoneBandwidth> <interZoneStrategy> <a...a>

Change the parameters of an existing Zone, where:

- ZoneNumber = 0-255
- intraZoneBandwidth = Intrazone available bandwidth (0 to 0.1MBps)
- intraZoneStrategy = BQ or BB, Intrazone preferred strategy (BQ for Best Quality or BB for best Bandwidth)
- interZoneBandwidth = Interzone available bandwidth (0 to 0.1MBps)
- interZoneStrategy = BQ or BB, Interzone perferred strategy ((BQ for Best Quality or BB for best Bandwidth)
- a...a = type of zone, where:
  - (Shared) = current default zone type. The ethersets configured in shared zones use DSP resources configured in shared zones. If all of the shared zones' gateway channels are used, the caller will receive an overflow tone and the call is blocked. The order of channel selection for the gateway channels is:
    – channel from same zone as etherset is configured
    – any available channel from the shared zones' channels
  - Private = This zone type is introduced by IPL 3.0. DSP channels configured in a private zone are only used by ethersets which have also been configured for that private zone. If more DSP resources are required by these ethersets than what are available in the zone, DSPs from other zones will be used. However, ethersets configured in shared zones aren't able to use the private zones' channels. The order of selection for the gateway channels is:
    – channel from same private zone as etherset is configured
    – any available channel from the pool of shared zones' channels

=> Command	Description	Pack/Rel
CHG ZONE <zoneNumber> <intraZoneBandwidth> <intraZoneStrategy> <interZoneBandwidth> <interZoneStrategy> [<zoneIntent> <zoneResourceType>]	Change the parameters of an existing Zone. All parameters must be re-entered, where:: • zoneNumber = 0-255 • intraZoneBandwidth = 0-.1Mbps • intraZoneStrategy = intrazone preferred strategy, where: — BQ = Best Quality — BB = Best Bandwidth • interZoneBandwidth = 0-.1Mbps • interZoneStrategy = interzone preferred strategy, where: — BQ = Best Quality — BB = Best Bandwidth • zoneIntent = type of zone, where: — MO = Main Office zone — BMG = Branch Media Gateway zone — VTRK = Virtual Trunk zone • zoneResourceType = resource Intrazone preferred strategy, where: — (shared) = shared DSP channels — private = private DSP channels ***Note:*** With release 4.50 the zones that were described with BMG designator stay with BMG one, all the other zones are provided with the MO designator. It is possible to update ZoneIntent using CHG ZONE command.	basic-4.50

=> Command	Description	Pack/Rel
CHG ZQNL <level>	Change the Notification Level for all zones, where: • level = 0-(2)-4, where: — Level 0 = All voice quality alarms are suppressed. — Level 1 = Allow zone-based Unacceptable alarms. — Level 2 = Allow all level 1 alarms PLUS zone-based Warning alarms. — Level 3 = Allow all level 1 and 2 alarms PLUS per-call Unacceptable alarms. — Level 4 = Allow all level 1, 2, and 3 alarms PLUS per-call Warning alarms.	pvqm-40
CHG ZQNL <ZoneNumber> <level>	Change the Notification Level for the specified zone, where: • ZoneNumber = 0-255 • level = 0-(2)-4	pvqm-40
CHG ZQRT <Zone> <1-100>	Change ZQRT which is Response time increase by percentage. It is the amount by which the Sliding Maximum is increased for the identified zone, where: • Zone = 0-255 • 1-(10)-100 = increase value in percentage	zcac-4.50
CHG ZQRTI <Zone> <1-120>	Change the QoS Response Time Interval while alarms are not coming in order to increase the Sliding Maximum for the identified zone, where: • Zone = 0-255 • 1-(5)-120 = Interval in minutes	zcac-4.50

=> Command	Description	Pack/Rel
CHG ZQUAT <Zone> <1-99>	Change the QoS Unacceptable Alarm Threshold value for the identified zone, where: • Zone = 1-255 • 1-(75)-99 = threshold value ***Note:*** When the zone-to-zone QoS value transitions below this value, this alarm is presented. When the zone-to-zone QoS value transitions above this value, this alarm is presented as being deactivated. This value must be below the value of ZQWAT.	zcac-4.50
CHG ZQWAT <Zone> <1-99>	Change the QoS Warning Alarm Threshold value for the identified zone, where: • Zone = 0-255 • 1-(85)-99 = threshold value ***Note:*** When the zone-to-zone QoS value drops below this value, this alarm is presented. When the zone-to-zone QoS value transitions above this value, this alarm is reported as deactivated. The value for ZQWAT must be higher than the value of ZQUAT.	zcac-4.50
CHG ZQWTH <WarnJitter> <WarnLatency> <WarnPacketLoss> <WarnRFactor>	Change VQ Warning thresholds, where: • WarnJitter = 0-(20)-100% • WarnLatency = 0-(20)-100% • WarnPacketLoss = 0-(20)-100% • WarnRFactor = 0-(20)-100% ***Note:*** Changes to threshold values are not propagated to the Signaling Server or the Voice Gateway Media card until a data dump is performed.	pvqm-4.0

=> Command	Description	Pack/Rel
CHG ZQUTH <UnacpJitter> <UnacpLatency> <UnacpPacketLoss> <UnacpRFactor>	Change VQ Unacceptable thresholds on a zone basis, where: • UnacpJitter = 0-(2)-100% • UnacpLatency = 0-(2)-100% • UnacpPacketLoss = 0-(2)-100% • UnacpRFactor = 0-(2)-100% ***Note:*** Changes to threshold values are not propagated to the Signaling Server or the Voice Gateway Media card until a data dump is performed.	pvqm-4.0
CHG ZTDF <Zone> <TimeDifferenceFromHeadOffice>	Specify the time difference between the Main Office and the branch office when both are not in Daylight Saving Time, where: • Zone = 0-255 • TimeDifferenceFromHeadOffice = -1380 to 1380 minutes (Minus 23 hours to plus 23 hours), time difference in minutes	
CLR CACR <Near Zone> {<Near VPNI>} {<Far Zone>} {<Far VPNI>}	Clear zone-to-zone record for near (VPNI-Zone) per far (VPNI-Zone), where: • Near Zone = 0-255 • Near VPNI = 1-16282, Virtual Private Network Identifier • Far Zone = 0-255 • Far VPNI = 1-16282, Virtual Private Network Identifier	zcac-4.50
DIS SHELLS SECURE	Disables all secure shells in the system, includes SSH, sFTP, and SCP sessions **WARNING: disabling the shells will cause telephony applications on external devices to stop communicating with the PBX.**	basic-4.50
DIS SHELLS UNSECURE		basic-4.50

=> Command	Description	Pack/Rel
	Disables all unsecured shells in the system, includes TELNET, RLOGIN, and FTP sessions **WARNING: disabling the shells will cause telephony applications on external devices to stop communicating with the PBX.**	
ECNT CARD		basic-4.50
	Print all registered IP Phones with associated card	
ECNT CARD l s c [<customer>]		basic 4.50
	Print the number of IP Phones registered, where: • l s c = loop, shelf, card • customer = customer number associated with this command ***Note:*** Partial TN are allowed	
ECNT FW	Print all registered IP Phones for each available firmware ID	basic-4.50
ECNT FW <XX> [<A>] [<BB>] [<FF>]		basic-4.50
	Print the number of IP Phones, where: • XX = firmware ID • A = major version designator • BB = minor version designator • FF = filter to apply on firmware version, where: — (==) = equal to — != = not equal to — < = less then — > = greater then	
ECNT MODL		basic-4.50
	Print the number of registered IP Phones with model name	
ECNT MODL <MMMM>		basic-4.50

=> Command	Description	Pack/Rel
	Print the number of registered IP Phones, where: • MMMM = IP Phone model name, where: — 2001P2 = IP Phone 2001 Phase 2 — 2002 = IP Phone 2002 — 2002P2 = IP Phone 2002 Phase 2 — 2004 = IP Phone 2004 — 2004P2 = IP Phone 2004 Phase 2 — 2033 IP Phone 2033 Conference Phone — 2210 IP Phone 2210 Wireless Handset	
ECNT NODE	Print registered IP Phones for all nodes	basic-4.50
ECNT NODE <nodeNum>		basic-4.50
	Print the number of registered IP Phones, where: • nodeNum =the specified node	
ECNT PEC	Print the number of registered IP Phones by PEC	basic-4.50
ECNT PEC <PEC>		basic-4.50
	Print the number of IP Phones, where: • PEC = Product Engineering Code	
ECNT SS	Print the number of registered IP Phones for all signaling servers	basic-4.50
ECNT SS <hostName>		basic-4.50
	Print the number of registered IP Phones, where: • hostName = host name assigned to signaling server ***Note:*** If the hostName variable contains an underscore (_), then an NPR001 error message is returned. An underscore is considered to be an invalid character.	
ECNT ZONE	Print the number of registered IP Phones for all zones	basic-4.50

=> Command	Description	Pack/Rel
ECNT ZONE <zoneNum> <customer>	Print the number of registered IP Phones, where: • zoneNum = specified zone • customer = customer number associated with this command	basic-4.50
ENL SHELLS SECURE	Enables all secure shells	basic-4.50
ENL SHELLS UNSECURE	Enables all unsecured shells	basic-4.50
EXPORT EPT	The EPT file stored on the hard disk (/u/db/ smpserv.db) will be copied to the floppy/PC Card drive (a:/smpserv.db).	basic-4.0
EXPORT EDT	The EPT file stored on the hard disk (/u/db/ smpserv.db) will be copied to the floppy/PC Card drive (a:/smpserv.db).	basic-4.0
IMPORT EPT	The EPT file stored on the floppy / PC Card (a:/smpserv.db) drive will be copied to the hard drive (/u/db/smpserv.db).	basic-4.0
INV ENTITY SETS <ON		basic-4.0
ON	Turn ON the inclusion of digital telephones and IP Phones in the Entity MIB	
(OFF)	Turn OFF the inclusion of digital telephones and IP Phones in the Entity MIB	
STATUS	Display whether or not the digial telephones and IP Phones are included in the Entity MIB. The output displays either ON or OFF.	
INV GENERATE ABORT	Abort any currently running Inventory generations.	
INV GENERATE ALL		

=> Command	Description	Pack/Rel

Requests for the Inventory feature to begin generating both the card and telsets Inventory file.

INV GENERATE CARDS

Requests for the Inventory feature to begin generating the Inventory file for all of the cards in the system. The generation produces an inventory file with all of the cards configured on the system. Those cards that are present in the system and have card ID are noted in the inventory file with their card type, TN, and card ID. Those cards that do not have card ID or are not present in the system, will be noted to be “Unavailable” in place of their card ID.

INV GENERATE SETS

Requests for the Inventory feature to begin generating the Inventory file for the digital telsets with their telsets’ IDs that have been configured in the system. Those telsets that are present in the system and have sets ID are noted in the inventory file with their sets type, TN, sets ID, DES, Primary DN. Those telsets that do not have sets ID or ar not present in the sytem will be noted to be “Unavailable” in place of their sets ID.

INV MIDNIGHT ALL

Scheduling for the Midnight to run both Card and Sets Inventory generations.

INV MIDNIGHT CARDS

Scheduling for the Midnight to run Card Inventory generation.

INV MIDNIGHT OFF

Turns off Midnight run off Card and Sets Inventory generations.

INV MIDNIGHT SETS

Scheduling for the Midnight to run Sets Inventory generation.

=> Command	Description	Pack/Rel

INV MIDNIGHT STATUS

Print out the state of the Midnight schedule of Inventory.

INV PRT Refer to INV PRT STATUS command.

INV PRT ALL Requests for both the Card Inventory file and the Sets Inventory file to be printed out to the output destination (i.e. TTY).

INV PRT CARDS

Requests for the Card Inventory file to be printed out to the output destination (i.e. TTY).

INV PRT SETS

Requests for the Sets Inventory file to be printed out to the output destination (i.e. TTY)

INV PRT STATUS

Requests for the status of the Inventory feature.
Result may look somewhat:

Inventory status:

Card file status is Ok

43 records; 18/03/1999 17:10:21

Sets file status is Ok

19 records; 18/03/1999 16:44:09

**** Abort overlay. This command can also be used to abort any Inventory file printing.

NEW BKPR xxx a...a b...b yy

=> Command	Description	Pack/Rel
	Add a new Backup Rule, where: • xxx = Backup Rule number ID = (1)-100. Currently, only one rule is required for replication to the secondary system. • a...a = SCS. Currently, this is the only rule type that exists: it allows direct replication to another system. • b...b = ELAN IP address of the destination system. • yy = the number of database versions to save on the destination system = (2)-10.	grprim-4.0
NEW BKPR <rule number1-100> FMD [<N of versions>] [<name>]	Change backup rule to an Fixed Media Device (FMD), where: • rule number = 1-100, Up to 100 rules can be defined. Each rule is a pattern that can be further used. FMD rules can be used by the backup schedules or for manual backup and restore operation (BKR/RSR commands activated from LD 43). • FMD = mnemonic for this rule type • N of versions = (1)-10 number of incremental backup data versions preserved on the local removable media device • name = rule name, where: — text of up to 30 characters without white spaces is allowed ***Note:*** The <name> parameter is also added as optional when defining a new backup rule with SCS type (introduced in CS 1000 Release 4.0 Geographic Redundancy).	basic-4.50
NEW BKPR <rule number1-100> FTP <IP addr> <login><pwd> <path> [<N of versions1-10>] [<name>]		basic-4.50

=> Command	Description	Pack/Rel
	Change backup rule to an external FTP server, where: • <rule number> = 1-100, Up to 100 rules can be defined. Each rule is a pattern that can be further used. These rules can be used by the Geographic Redundancy Database Replication Control (GRDRC block as defined in LD-117), by the Backup Schedules for manual backup/restore operation (BKR/RSR commands activated from Ovl.43). • FTP = mnemonic for this rule type • IP addr = IP address of the FTP server to be accessed for storing (Backup) or retrieving (Restore) backup data • login = login name to access the FTP server, up to 32 characters • pwd = login password to access the FTP server, up to 32 characters • path = path on the FTP server where the backup data file (or files for incremental versions) is located, up to 64 characters • N of versions = (1)-10 number of incremental backup data versions preserved on the FTP server • name = rule name, where: — text of up to 30 characters without white spaces is allowed ***Note 1:*** The only backup rule type which can be referenced from GRDRC is SCS. ***Note 2:*** The <name> parameter is added as optional when defining a new backup rule with SCS type introduced in CS 1000 Release 4.0 Geographic Redundancy.	
NEW BKPR <rule number1-100> RMD [<N of versions>] [<name>]		basic-4.50

=> Command	Description	Pack/Rel
	Change backup rule to an Removable Media Device (RMD), where: • rule number = 1-100, Up to 100 rules can be defined. Each rule is a pattern that can be further used. RMD rules can be used by the backup schedules or for manual backup and restore operation (BKR/RSR commands activated from LD 43). • RMD = mnemonic for this rule type • N of versions = (1)-10 number of incremental backup data versions preserved on the local removable media device • name = rule name, where: — text of up to 30 characters without white spaces is allowed ***Note:*** The <name> parameter is also added as optional when defining a new backup rule with SCS type (introduced in CS 1000 Release 4.0 Geographic Redundancy).	
NEW BKPS <schedule number 1-10> <Rule for BKUP> <FREQ> <DAY> <HOUR>	Add a backup schedule, where: • Rule for BKUP = number of the backup rule for scheduled backup operation • FREQ = M/W/(D)/A - defines how often the scheduled backup will take place, where: — M = monthly — W = weekly — D = daily — A = automatically immediately after every EDD operation activated. There cannot be more than 1 schedule defined where FREQ = A ***Note:*** When FREQ = D, the next parameter is HOUR	basic-4.50

=> Command	Description	Pack/Rel

DAY = day of the week, applicable when FREQ = W or FREQ = M, where:

- (SU) = Sunday
- MO = Monday
- TU = Tuesday
- WE = Wednesday
- TH = Thursaday
- FR = Friday
- SA = Saterday
- (1)- 31

Note: When FREQ = M and the day specified is greater than the number of days in the current month, the backup will take place on the last day of the current month.

- HOUR = 0-(3)-23

Note: This rule type is not allowed if the GRPRIM/GRSEC package is equipped and the rule is used in GRDRC.

NEW EPT aa... a INFO x — alrm_filter-21

Assign Information severity to new EPT entry, where:

- aa... a = an event class with an event number (e.g. BUG1000, ERR0025)
- x = optional entry to escalate value of EPT entry from (0)-Suppress value, as defined by default or your **CHG SUPPRESS** entry.

NEW EPT aa... a EDT x — alrm_filter-21

Assign NT-defined severity from EDT to new EPT entry, where:

- aa... a = an event class with an event number (e.g. BUG1000, ERR0025)
- x = optional entry to escalate value of EPT entry from (0)-Suppress value, as defined by default or your **CHG SUPPRESS** entry.

=> Command	Description	Pack/Rel
NEW EPT aa... a MAJOR x	Assign Major severity to new EPT entry, where: • aa... a = an event class with an event number (e.g. BUG1000, ERR0025) • x = optional entry to escalate value of EPT entry from (0)-Suppress value, as defined by default or your **CHG SUPPRESS** entry.	alrm_filter-21
NEW EPT aa... a MINOR x	Assign Minor severity to new EPT entry, where: • aa... a = an event class with an event number (e.g. BUG1000, ERR0025) • x = optional entry to escalate value of EPT entry from (0)-Suppress value, as defined by default or your **CHG SUPPRESS** entry.	alrm_filter-21
NEW EPT aa... a CRITICAL x	Assign Critical severity to new EPT entry, where: • aa... a = an event class with an event number (e.g. BUG1000, ERR0025) • x = optional entry to escalate value of EPT entry from (0)-Suppress value, as defined by default or your **CHG SUPPRESS** entry.	alrm_filter-21

=> Command	Description	Pack/Rel
NEW GRDRC xxx aaa yyy bbb ccc	Add a GRDRC block, where: • xxx = Backup Rule number. • aaa = how the automatic database replication to the secondary system occurs: — (IMM) - immediately after any data dump operation — MIDN - after midnight data dump only — NO - not allowed • yyy = Backup Rule number used for the restore operation on the secondary system. If no rule number is entered, then this points to the <BKUP rule>. • bbb = (YES)/NO. Defines whether or not the automatic restore operation on the secondary system is allowed. • ccc = (YES)/NO. Defines whether or not the automatic sysload after successful automatic restore on the secondary system is allowed. ccc = YES is only allowed if bbb = YES.	grprim-4.0
NEW GRSC xxx yyy zzz a..a	Add a new GRSC block, where: • xxx = the number (N) of IP phones that must register on the secondary system for the system to escalate to the ACTIVATING state. If no value is entered, xxx = 1. The maximum value of xxx is: 10% x (Basic IP User License + IP User License). • yyy = Short Term Failure Timer, in minutes = (5) - 600 • zzz = Failure Clearance Timer, in minutes = (5) - 180 • a..a = Secondary system Deactivation Mode = (AUTO)/MAN	grprim-4.0
NEW HOST DEV_SIDE0_HSP <ip address>	Configure the HSP ip address	basic-4.50
NEW HOST DEV_SIDE1_HSP <ip address>		basic-4.50

=> Command	Description	Pack/Rel

Configure the HSP ip address

NEW HOST hostname IPaddress

Configure a new host entry, where;

- host name must exist in the host table
- default setting for the Primary IP address is: 137.135.128.253
- default setting for Primary Host Name is: PRIMARY_ENET
- default setting for the Secondary IP address is: 137.135.128.254
- default setting for the Secondary Host Name is: SECONDARY_ENET.

Note: **Host Name Syntax:** A host name can be up to 16 characters in length. The first character of a host name must be a letter of the alphabet. A character may be a letter, number, or underscore(_). A period is used as a delimiter between domain names. Spaces and tabs are not permitted. No distinction is made between upper and lower case.

NEW ROUTE networkIP gateway IP

Configure a new routing entry

NEW ZONE xxx p1 p2 p3 p4 <shared/private>

Create a new zone with the following parameters:

- xxx = 0-255 zone number
- p1 = intrazone available bandwidth 0-100000 kbits/s
- p2 = intrazone preferred strategy, where:
  - (BQ for Best Quality
  - BB for Best Bandwidth)
- p3 = interzone available bandwidth 0-100000 kbits/s
- p4 = intrazone preferred strategy
  - (BQ for Best Quality
  - BB for Best Bandwidth)

=> Command	Description	Pack/Rel

- (Shared) = ethersets configured in shared zones use DSP resources configured in shared zones. If all of the shared zones' gateway channels are used, the caller will receive an overflow tone and the call is blocked. The order of channel selection for the gateway channels is:
  - channel from same zone as etherset is configured
  - any available channel from the shared zones' channels
- Private = new zone type introduced by IPL 3.0. DSP channels configured in a private zone are only used by ethersets which have also been configured for that private zone. If more DSP resources are required by these ethersets than are available in the zone, DSPs from other zones will be used. However, ethersets configured in shared zones aren't able to use the private zones' channels. The order of selection for the gateway channels is:
  - channel from same private zone as etherset is configured
  - any available channel from the pool of shared zones' channels

NEW ZONE 0-255

Create a new Zone with the following default bandwidth values:

- 10KBps for Intrazone available bandwidth
- BQ for iIntrazone preferred strategy
- 10KBps for Interzone available
- BQ for Interzone preferred strategy

NEW ZONE 0-255 aa

Create a new Zone, where:

- aa = one of the following bandwidths:
  - p1 = Intrazone available bandwidth (0 to 0.1MBps)
  - p2 = Intrazone preferred strategy (BQ for Best Quality or BB for best Bandwidth)
  - p3 = Interzone available bandwidth (0 to 0.1MBps)
  - p4 = Interzone perferred strategy (BQ or BB)

=> Command	Description	Pack/Rel
NEW ZONE <zoneNumber> [<intraZoneBandwidth> <intraZoneStrategy> <interZoneBandwidth> <interZoneStrategy> <zoneIntent> <zoneResourceType>]	Configure a new zone, where: • zoneNumber = 0-255 • intraZoneBandwidth = 0-.1Mbps • intraZoneStrategy = intrazone preferred strategy, where: — BQ = Best Quality — BB = Best Bandwidth • interZoneBandwidth = 0-.1Mbps • interZoneStrategy = interzone preferred strategy, where: — BQ = Best Quality — BB = Best Bandwidth • zoneIntent = type of zone, where: — MO = Main Office zone — BMG = Branch Media Gateway zone — VTRK = Virtual Trunk zone • zoneResourceType = resource Intrazone preferred strategy, where: — (shared) = shared DSP channels — private = private DSP channels	zcac-4.50
OUT BKPR xxx	Remove backup rule, where: • xxx = a rule number ID = 1-100 If no rule number is entered, then all backup rules are removed.	grprim-4.0
OUT BKPS <schedule number 1-10>	Remove backup schedule	basic-4.50

=> Command	Description	Pack/Rel
OUT EPT aa... a	Delete a single Event Preference Table (EPT) events, where: • aa... a = an event class with an event number (e.g. BUG1000, ERR0025)	alrm_filter-21
OUT EPT ALL	Delete all entries in Event Default Table (EDT)	alrm_filter-21
OUT GRDRC	Remove current GRDRC Block	grprim-4.0
OUT GRSC	Remove GRSC Block	grprim-4.0
OUT HOST nnn	Delete configured host entry	
OUT HSP_MASK	Removes the configured HSP subnet mask from the Call Server and replaces it with the default HSP subnet mask	basic-4.50
OUT ROUTE nn	Delete configured routing entry	
OUT ZONE 0-255	Remove an existing zone.	
PRT ADMIN_COMM	Print the administration group read-only community name strings.	basic-4.0
PRT BKPR xxx	Print backup rule, where: • xxx = a rule number ID 1-100 If no rule number is entered, then all backup rules are printed.	grprim-4.0

=> Command	Description	Pack/Rel
PRT BKPR ALL	Print all backup rules	basic-4.50
PRT BKPR <rule number 1-100>	Print backup rule, where: • rule number = 1-100	basic-4.50
PRT BKPS ALL	Print all backup schedules	basic-4.50
PRT BKPS <schedule number 1-10>	Print backup schedule	basic-4.50

=> Command	Description	Pack/Rel

PRT DNIP <DN> [<CustomerNo>]

Print a list of IP addresses for each IP Phone registered with the specified DN.

Note: A partial DN can be entered.

Sample output:

```
=> PRT DNIP 4000 0 (only search customer 0 for DN)
CUST 00 DN 4000
TN Type Key IP Address Zone Status
------------------------------------------------------
061-01 i2002 03 SCR 47.11.215.41 000 REG
061-00 i2004 00 SCR 47.11.215.39 000 REG
=> prt dnip 4000 (same DN in different customers)
CUST 00 DN 4000
TN Type Key IP Address Zone Status
------------------------------------------------------
061-01 i2002 03 SCR 47.11.215.41 000 REG
061-00 i2004 00 SCR 47.11.215.39 000 REG
CUST 01 DN 4000
TN Type Key IP Address Zone Status
------------------------------------------------------
061-10 i2004 05 MCR 47.11.215.38 001 REG
```

PRT EDT aa... a alrm_filter-21

Print a single Event Default Table (EDT) event, where:

- aa... a = an event class with an event number (e.g. BUG1000, ERR0025)

PRT EDT aa... a bb...b alrm_filter-21

Print a range of Event Default Table (EDT) events, where:

- aa... a = first entry in EDT event range (e.g. BUG1000, ERR0025)
- bb...b = last entry in EDT event range (e.g. BUG1000, ERR0025)

=> Command	Description	Pack/Rel
PRTS EDT <severity <eventID> <eventID>	The entries in the EDT can be listed based on the severity field for all entries or the specified range of entries.	basic-4.0
PRT ELNK	Print active and inactive Ethernet interface IP addresses	
PRT EPT aa... a	Print a single Event Preference Table (EPT) entry, where: • aa... a = an event class with an event number (e.g. BUG1000, ERR0025	alrm_filter-21
PRT EPT aa... a bb...b	Print specific Event Preference Table (EPT) entry, where: • aa... a = first entry in EPT event range (e.g. BUG1000, ERR0025) • bb...b = last entry in EPT event range (e.g. BUG1000, ERR0025)	alrm_filter-21
PRT EPT ALL	Print all entries in Event Preference Table (EPT)	alrm_filter-21
PRTS EPT severity <eventID> <eventID>	The entries in the EPT can be listed based on the severity field for all entries or the specified range of entries.	basic-4.0
PRT ES1	Print Echo Server 1's IP address and port number.	basic-4.0
PRT ES2	Print the Echo Server 2's IP address and port number.	basic-4.0
PRT ESS	Print both Echo Server's IP address and port number.	basic-4.0
PRT FMT_OUTPUT	Print formatted output string	alrm_filter-21
PRT GRDRC	Print GRDRC Block	grprim-4.0

=> Command	Description	Pack/Rel
PRT GRSC	Print GRSC Block	grprim-4.0
PRT HOST	Print network host table entry(ies) information stored in database (enabled and disabled hosts)	
PRT HSP_MASK	retrieves the manually configured HSP mask from the Call Server if it exists and outputs it to the screen, otherwise it prints the default HSP subnet mask (255.255.255.0)	
PRT INTERZONE {<zone>}	Print intrazone statistics for all or for the identified zone, where: • Zone = 0-255 • State = ENL/DIS • Type = PRIVATE/SHARED • Strategy = BB/BQ • ZoneIntent = MO/BMG/VTRK • Bandwidth = number of Kbps • Usage = number of Kbps • Peak = % ***Note:*** With release 4.50 the PRT ZONE command is not used.	zcac-4.50

=> Command	Description	Pack/Rel
PRT INTERZONE {<nearZone>} {<farZone>} {<nearVPNI>} {<farVPNI>}	Print interzone statistics between near (VPNI - Zone) and far (VPNI - Zone), where: • NEAR END = ZONE and VPNI • FAR END = ZONE and VPNI • State = ENL/DIS • Type= PRIVATE/SHARED • Strategy = BB/BQ • ZoneIntent = MO/BMG/VTRK • QoS factor = % • Bandwidth = number of Kbps • Sliding Max = number of Kbps • Usage = number of Kbps • Peak = % • Average = number of Kbps • Alarms = Aph ***Note:*** The report rows are grouped as: • First row = summary bandwidth usage per near zone • Next rows = bandwidth usage per near (VPNI- Zone) and far (VPNI - Zone) • With release 4.50 the PRT ZONE command is not used.	zcac-4.50

=> Command	Description	Pack/Rel
PRT IPDN <IPAddress>	Print a list of DNs configured for the specified IP address(es) Sample output: => PRT IPDN 47.11.215.38 IP 47.11.215.38 CUST 01 TN 061-10 TYPE i2004 ZONE 001 REG Key DN CPND Name --- 00 SCR 4010 I2004_1 VLN61-10 05 MCR 4000 i2004_cust1 vln61_10 ***Note:*** Partial IP addresses can be entered with only the leading digits of the IP address (for example, 142.10), or as the IP address with zeroes at the end (for example, 142.10.0.0)	
PRT IPR x	Prints the IP connectivity configuration data associated with the IP Expansion cabinet end of the specified port, where: • x = 1-4	
PRT IPM x	Prints the IP connectivity configuration data associated with the Main cabinet end of the specified port, where: • x = 1-4	
PRT MASK	Print subnet mask stored in database	
PRT NAV_SITE	Print the navigation site name	basic-4.0
PRT NAV_SYSTEM	Print the navigation system name	basic-4.0

=> Command	Description	Pack/Rel
PRT NKT	Print NAT Mapping Keep Alive time-out setting of port mapping for devices behind a NAT router.	basic-4.0
PRT OPEN_ALARM	Print open Simple Network Management Protocol (SNMP) traps setting	
PRT PPP	Print Point-to-point Protocol interface address(es)	
PRT PTM	Print current Point-to-point Protocol idle timer settings	
PRT QSTHS	Print all VQ thresholds	pvqm-4.0
PRT ROUTE	Print routing table entry(ies) information stored in database	
PRT SEL nn	Print most recent record(s) in system event list, where: nn = 0-(20)-SELSIZE. For example, if nn = 50, the 50 most recent events in the system event list will be printed.	
PRT SELSIZE	Print System Event List size	
PRT SNMP_SYSGRP	Print all parameters of the MIB-II system group.	basic-4.0
PRT SUPPRESS	Print global suppress value	alrm_filter-21
PRT SYSMGMT_COMM	Print the system management community name strings	basic-4.0
PRT TIMER	Print global timer window length (in minutes). See “Global window timer length” on page 1091 for more information.	alrm_filter-21

=> Command	Description	Pack/Rel
PRT ZACB [<Zone>]	Print a table of branch office zone dialing plan entries.	
PRT ZACB	Print a table of branch office zone dialing plan entries.	
PRT ZALT	Print Alternative Prefix numbers for all configured zones	basic-4.50
PRT ZALT <zone>	Print Alternative Prefix numbers, where; • zone - 0-255 ***Note:*** If no zone number is specified then Alternate Prefix numbers for all configured zones are printed.	basic-4.50
PRT ZBW [<Zone>]	Print a table of zone bandwidth utilization.	
PRT ZBWM <Source Zone> [<Dest Zone>]	Print a zone-to-zone QoS status for all zones, where: • Source Zone = 0-255 • Dest Zone = 0-255	basic-4.50
PRT ZBWM <Source Zone> ALL	Print a zone-to-zone QoS status table for all zones, where, • Source Zone = 1-255 Table Output Fields are: • Source — Zone and VPNI • Destination — Zone and VPNI • QoS factor • Configured Interzone B/W (Kbps) • Sliding Maximum B/W (Kbps) • Actual instantaneous B/W used (Kbps) • Calls/hour or average bandwidth (Kbps)	basic-4.50

=> Command	Description	Pack/Rel

PRT ZBWM <Source Zone> [<Destination Zone>]

Print a zone-to-zone QoS status table, where:

- Source Zone = 0-255
- Destination Zone = 0-255, and

Output Fields are:

- Source — Zone and VPNI
- Destination — Zone and VPNI
- QoS factor
- Configured Interzone B/W (Kbps)
- Sliding Maximum B/W (Kbps)
- Actual instantaneous B/W used (Kbps)
- Calls/hour or average bandwidth (Kbps)

PRT ZCAC {<zone>} zcac-4.50

Print CAC parameters for all or for the identified zone, where:

- Local ZONE = 0-255
- State = ENL/DIS
- CR =1-100
- CPL =1-100
- CD =1-100
- CJ = 1-100
- CQOS = 1-100
- ZQRT = 1-100
- ZQRTI = 10-120
- ZQUAT = 1-99
- ZQWAT =1-99
- CACVT = 1-255

PRT ZDES [<DESMatchString>]

Print a table of the zone description entries.

=> Command	Description	Pack/Rel
PRT ZDP [<Zone>]	Print a table of branch office zone dialing plan entries.	
PRT ZESA [<Zone>]	Print a table of branch office zone Emergency Services Access (ESA) entries.	
PRT ZDST	Print a table of branch office zone time adjustment properties entries	
PRT ZQNL <ZoneNumber>	Print the Notification Level for the specified zone, where: • ZoneNumber = 0-255	pvqm-4.0
PRT ZQNL ALL	Print the Notification Level for all zones.	pvqm-40
PRT ZONE ALL	Print zone information for all configured zones	
PRT ZONE 0-255	Print zone information for a specific zone	
PRT ZTDF [<Zone>]	Print a table of branch office zone time adjustment properties entries	
PRT ZTP [<Zone>]	Print a table of branch office zone time adjustment properties entries.	
OUT BKPR <rule number1-100>	Remove backup rule, where: • rule number = 1-100	basic-4.50

=> Command	Description	Pack/Rel
OUT EPT ALL	Delete all entries in Event Preference Table (EPT)	alrm_filter-21
OUT EPT aa...a	Delete a single EPT entry, where: • aa... a = first entry in EPT event range (e.g. BUG1000, ERR0025)	alrm_filter-21
RELOAD EPT	The new/modified EPT file will be loaded into memory from disk (/u/db/smpserv.db).	basic-4.0
RST ELNK ACTIVE	Reset Meridian 1 active Ethernet interface IP address to default value	
RST ELNK INACTIVE	Reset Meridian 1 inactive Ethernet interface IP address to default value	
RST FW	Print all scheduled reset times	basic-4.50
RST FW <FWID>	Print all scheduled reset times by firmware ID	basic-4.50
RST FW <FWID> START	Immedicate hard-reset all IP Phones, where: • FWID = firmware ID of IP Phones	basic-4.50

=> Command	Description	Pack/Rel
RST FW <FWID> <START/STOP> <HH:MM>	Schedule or cancel hard-reset all IP Phones, where: • FWID = firmware ID of IP Phones • START/STOP = IP Phones reset, where: — START = set reset time schedule — STOP = cancel scheduled reset • HH:MM = hour and minute when IP Phones are reset	basic-4.50
RST IPR x	Restores the default IP connectivity configuration for the IP Expansion cabinet end of the specified port, where: • x = 1-4	
RST IPM x	Restores the default IP connectivity configuration for the Main cabinet end of the specified port, where: • x = 1-4	
RST MASK	Reset subnet mask to default	
RST PPP LOCAL	Reset local Point-to-point Protocol interface IP address to default value	
RST PPP REMOTE	Reset remote Point-to-point Protocol interface IP address to default value	
RST PTM	Reset Point-to-point Protocol idle timer to default	
RST ZONE	Print all scheduled reset times	basic-4.50
RST ZONE <ZoneNumber>	Print all scheduled reset times by zone	basic-4.50

=> Command	Description	Pack/Rel
RST ZONE <ZoneNumber> START	Immedicate hard-reset all IP Phones, where: • ZoneNumer = zone number	basic-4.50
RST ZONE <ZoneNumber> <START/STOP> <HH:MM>	Schedule or cancel hard-reset all IP Phones, where: • ZoneNumer = zone number • START/STOP = IP Phones reset, where: — START = set reset time schedule — STOP = cancel scheduled reset • HH:MM = hour and minute when IP Phones are reset	basic-4.50
STAT SHELLS SECURE	Indicates whether secured shell access is en-abled or disabled.	basic-4.50
STAT SHELLS UNSECURE	Indicates whether unsecured shell access is enabled or disabled	basic-4.50
STAT ZALT <zone>	Display Alternative Routing Status, where: • zone = bandwidth zone	basic-4.50
STAT ZBR [<zone>]	Display status of branch office zones, where: • zone = bandwidth zone ***Note:*** With release 4.50 this command supports Alternative Routing for NBWM.	basic-4.0 basic-4.50
STIP FW	Print the number of registered IP Phones with associated RLM data	basic-4.50

=> Command	Description	Pack/Rel
STIP FW <XX> [<A>] [<BB>] [<FF>]	Print the RLM data for registered IP Phones, where: • XX = firmware ID • A = major version designator • BB = minor version designator • FF = filter to apply on firmware version, where: — (==) = equal to — != = not equal to — < = less then — > = greater then	basic-4.50
STIP MODL	Print the RLM for all IP Phones models	basic-4.50
STIP MODL <MMMM>	Print the RLM for all IP Phones, where: • MMMM = IP Phone model	basic-4.50

=> Command	Description	Pack/Rel
TEST ALARM aaaannnn	Generate an alarm, where: • aaaa = any character sequence. However, to test how an existing system message category (BUG, ERR, INI, for example.) would appear in an alarm browser, use an existing system message • nnnnn = any numeric sequence (1234, 3458, for example) and is optional, defaulting to 0000 The actual output on the TTY is the system message passed as the parameter; for example: BUG1234 The actual trap sent to the trap destination list is trap type 10 with the following details: • operator description = ‘This is a test’ • operator data = ‘This is a test’ • error code = aaaannnn • The rest of the binding variables are NULL	basic-4.0
UPDATE DBS	Rebuild INET database and renumber host and route entry ID	

Alphabetical list of Maintenance commands

Maintenance commands share the same entry format as Administration commands.

=> Command	Description	Pack/Rel
DIS BUF ALL	Disable buffering for all data types	
DIS BUF CDR	Disable buffering for CDR data	
DIS BUF TRF	Disable buffering for TRF data	
DIS DBK	Display database disaster recovery's backup & restore	
DIS HOST n	Remove a host from the run time host table, where: • n = host entry number	
DIS PPP	Disable Point-to-point Protocol access (this enables PPPD)	
DIS ROUTE n	Remove a route from the run time routing table, where: • n = route entry number	
DIS ZALT <zone>	Disable ACR for zone, where: • zone = 0-255 ***Note:*** Branch Office is configured at the Main Office	basic-4.50
DIS ZBR <Zone> [ALL] [LOC] [ESA] [TIM] [ALT]	Disable a Zone's Branch Office behaviour, if no specific features are specified, then ALL is assumed, where: • zone = 0-255 • ALL = all features • LOC = Local Dialing Access • ESA = Emergency Service Access • TIM = Time Adjustment • ALT = Alternate Routing for Branch	basic-4.0 basic-4.50

=> Command	Description	Pack/Rel
DIS ZCAC <Zone>	Disable Call Admission Control (CAC) for the identified zone, where: • Zone = 0-255 ***Note:*** Disables the feature on a zone by zone basis.	zcac-4.50
DIS ZONE 0-255	Disable a Zone, No new calls will be established inside the disabled zone, from or towards this Zone.	
ENL BUF ALL	Enable buffering for all data types	
ENL BUF CDR	Enable buffering for CDR data	
ENL BUF TRF	Enable buffering for TRF data	
ENL DBK	Enable database disaster recovery's backup & restore	
ENL HOST n	Add a host to run time host table, where: • n = host entry number	
ENL PPP	Enable Point-to-point Protocol access (Enables PPPD command)	
ENL ROUTE n	Add a route to run time routing table, where: • n = route entry number	
ENL ZALT <zone>	Enable ACR for zone, where: • zone = 0-255 ***Note:*** Branch Office zone is configured at the Main Office	basic-4.50

=> Command	Description	Pack/Rel
ENL ZBR <zone> [ALL] [LOC] [ESA] [TIM] [ALT]	Enable a Zone's Branch Office behaviour, if no specific features are specified, then ALL is assumed, where: • zone = 0-255 • ALL = all features • LOC = Local Dialing Access • ESA = Emergency Service Access • TIM = Time Adjustment • ALT = Alternate Routing for Branch	basic-4.0 basic-4.50
ENL ZCAC <Zone>	Enables Call Admission Control (CAC) for the identified zone, where: • Zone = 0-255 ***Note:*** Enables the feature on a zone by zone basis.	zcac-4.50
ENL ZONE 0-255	Enable a Zone	
PING	Ping an IP address to test the network settings	
SET HSP_IP	Activates the HSP IP addresses and subnet mask	basic-4.50
SET MASK	Set ELNK subnet mask to configured value	
SET OPEN_ALARM slot address	Add an SNMP (Simple Network Management Protocol) trap destination, where: • slot address = 0-7 The address format is: x.x.x.x. (TCP/IP) To clear slot, set address to 0.0.0.0.	

=> Command	Description	Pack/Rel

STAT AUTONEG IPM

Display auto-negotiate status of Main Cabinet ports.

The following report is displayed:

AUTO-NEGOTIATE LINK PARTNER STATUS - MAIN/CALL SERVER PORTS ----------

PORT Bandwidth Duplex Mode AutoNegotiate
==========

IPR 1 UNKNOWN UNKNOWN ON
IPR 2 UNKNOWN UNKNOWN
IPR 3 100 Mbps full duplex ON
IPR 4 UNKNOWN UNKNOWN

If the auto-negotiation process is successful, it will return " 100 Mbps full duplex". Otherwise UNKNOWN is reported, indicating a failure in negotiating 100 Mbps full duplex bandwidth.

STAT AUTONEG IPR

Display auto-negotiate status of Expansion Cabinet ports.

The following report is displayed:

AUTO-NEGOTIATE LINK PARTNER STATUS -
EXPANSION/MEDIA GATEWAY PORTS

PORT Bandwidth Duplex Mode AutoNegotiate
==========

IPR 1 UNKNOWN UNKNOWN ON
IPR 2 UNKNOWN UNKNOWN
IPR 3 100 Mbps full duplex ON
IPR 4 UNKNOWN UNKNOWN

If the auto-negotiation process is successful, it will return " 100 Mbps full duplex". Otherwise UNKNOWN is reported, indicating a failure in negotiating 100 Mbps full duplex bandwidth.

STAT BUF Display buffer info (data type,% full, not ready)

STAT DBK Display status of disaster recovery (enabled, disabled)

=> Command	Description	Pack/Rel
STAT HOST	Display current runtime host table status (enabled hosts)	

STAT LINK APP <applicationType>

Display the link information status of the server for the specified application, where:

- applicationType, where:
  - LTPS = Line TPS
  - VGW = Voice Gateway
  - H323 = H.323 Virtual Trunk
  - GK = GateKeeper

STAT LINK IP <IP address>

Display the link information status of the server for the specified IP address, or IP addresses of the specified sub-net, where:

- IP address = the ELAN IP address of the Signaling Server or Voice Gateway Media Card

Note: The IP address can be in full or partial IP address format. For example, “10.11.12.13” or “10.11”.

STAT LINK NAME <hostName>

Display the link information status of the servers based on the supplied host nam, where:

- hostName = MAINSERVER

STAT LINK NODE <nodeID>

Display the link information status of the specified node, where:

- nodeID = 0-9999

Note: The nodeID identifies the node number assigned to a group of Voice Gateway Media Cards and Signaling Server equipment.

=> Command	Description	Pack/Rel
STAT LINK SRV <serverType>	Display the link information status of the servers for the specified server type, where: • serverType, is: — ITGP = ITG Pentium — SMC = Media Card — SS = Signaling Server	
STAT PPP	Display Point-to-point Protocol connection status	
STAT ROUTE	Display host and network routing table	
STAT SERV APP <applicationType>	Display the link information status of the server for the specified application, where: • applicationType is: — LTPS = (Line TPS) — VGW = Voice Gateway — H323 = H.323 Virtual Trunk — GK = GateKeeper	
STAT SERV IP <IP address>	Display the link information status of the server for the specified IP address, or IP addresses contained in the specified sub-net, where: • IP address = the ELAN IP address of the Signaling Server or Voice Gateway Media Card. ***Note:*** The IP address can be in full or partial IP address format. For example, “10.11.12.13” or “10.11”.	
STAT SERV NAME <hostName>	Display the link information status of the servers based on the supplied host name, where: • hostName = MAINSERVER	

=> Command	Description	Pack/Rel
STAT SERV NODE <nodeID>	Display the link information status of the specified node, where: • nodeID = 0-9999 ***Note:*** The nodeID identifies the node number assigned to a group of Voice Gateway Media Cards and Signaling Server equipment.	
STAT SERV TYPE <serverType>	Display the server information of the specified server type, where: • serverType is: — ITGP = ITG Pentium — SMC = Media Card — SS = Signaling Server	
STAT SS	Display the server information of the specified Signaling Server.	
STAT ZBR [<Zone>]	Display status of branch office zones, where: • Zone = 0-255	
STAT ZONE [<Zone>]	Display zone status table, where: • Zone = 0-255	
STIP ACF	Displays status for all ACF calls	basic-4.50
STIP ACF <status>	Displays Active Call Failover (ACF) status information, where: • UNREG = unregistered calls • HREG = half-registered calls • REB = rebuilt calls • HREB = half-rebuilt calls • PREB = partial-rebuilt calls	basic-4.50

=> Command	Description	Pack/Rel

STIP HOSTIP <IP address>

Display information contained in the resource locator module table corresponding to the specified HOSTIP address, or HOSTIP addresses contained in the specified sub-net, where:

- IP address = the ELAN IP address of the Signaling Server or Voice Gateway Media Card.

Note: IP address can be in full or partial IP address format. For example, “10.11.12.13”, or “10.11”.

STIP NODE <nodeID>

Display information contained in the resource locator module table corresponding to the specified node ID, where:

- nodeID = 0-9999

Note: The nodeID identifies the node number you have assigned to a group of VGMC and Signaling Server equipment.

STIP TERMIP <IP address>

Display information contained in the resource locator module table corresponding to the specified TERMIP address, or TERMIP addresses contained in the specified sub-net, where:

- IP address = the TLAN IP address of the IP Phone or Voice Gateway Media Card.

Note: IP address can be in full or partial IP address format. For example, “10.11.12.13”, or “10.11”.

STIP TN l s c u

Display the resource locator module information for the specified TN, or group of TNs, as denoted by the l s c u and c u parameters.

=> Command	Description	Pack/Rel
STIP TYPE <aaa>	Display the resource locator module information for the specified TN type, where up to 3 types can be specified. Valid types are: • I2002 = IP Phone 2002 • I2004 = IP Phone 2004 • I2050 = IP Phone 2050 • ISET = all IP sets • VGW = Voice Gateway resources • IPTI = Virtual Trunk and IP Trunks	
STIP ZONE <zone>	Display the resource locator module information for the specified zone number, or range of zones, where: • zone = 0-255	

Index of prompts

Symbols

Numerics

A

B

C

D

E

F

G

H

I

J

K

L

M

N

O

P

Q

R

S

T

U

V

W

X

Y

Z

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Administration

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