UNIVERGE SV9300

Command Manual

NWA-088651-001
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INTRODUCTION

PURPOSE

This manual explains all of the commands required for programming the SV9300, using the Customer Administration Terminal (CAT) or PCPro.

NOTE: *As for the parts described as [9300V3 STEP2] in this manual support 9300V3 STEP2 (SC-4351 LYRA BSC PROG-V3.2.0) software or later.*

OUTLINE OF THIS MANUAL

This manual consists of three chapters. The following paragraphs summarize Chapters 1 through 3.

CHAPTER 1 HOW TO USE CAT

This chapter explains how to use the Customer Administration Terminal (CAT) which is used as the man-machine interface with the PBX.

CHAPTER 2 PRECAUTION

This chapter explains precautions for using commands, such as condition for using commands, method of setting on-line/off-line mode, method of system data/SRAM data all clear, port allocation, password entry, and nation code assignment.

CHAPTER 3 COMMAND DESCRIPTION

This chapter explains the function, precaution, assignment procedure and data table of each command.

APPENDIX A TERMINAL KEY ASSIGNMENT

This appendix contains the key number layout of each Multiline Terminal, DESKCON, DSS Console, and Add-On Module.

APPENDIX B LEVEL DIAGRAM SETTING FOR SYSTEM

This appendix explains the level diagram control methods and the detailed settings.

TERMS IN THIS MANUAL

PBX SYSTEM DESIGNATION

PBX system is usually designated as “PBX” or “system”.
When we must draw a clear line between the PBX systems, they are designated as follows.

SV9300 : UNIVERGE SV9300
SV8300 : UNIVERGE SV8300
SV9500 : UNIVERGE SV9500
SV8500 : UNIVERGE SV8500
SV7000 : UNIVERGE SV7000
2000 IPS : NEAX 2000 IPS INTERNET PROTOCOL SERVER
2400 IPX: NEAX 2400 IPX Internet Protocol eXchange

ATTENDANT CONSOLE NAME

Attendant Console is usually designated as “Attendant Console”.
When the console type is limited by a service, it is designated as follows:

DESKCON: Desk Console (SN716 DESKCON)

PAGING ADAPTER NAME

With the release of the new Paging Adapter model, the current model “PGD(2)-U10 ADP” is integrated to the new model “IP8WW-2PGDAD-A”. Therefore, as for the term of “PGD(2)-U10 ADP” or “PGD(2)-U10” described in this manual, please read them as “IP8WW-2PGDAD-A” or “Paging Adapter”.

TERMINAL NAME

The term of “DESI-less terminal” described in this manual is the same meaning as the “Self-Labeling terminal”. As for the following terminal names, please read “DESI-less” as “Self-labeling”.

DT400/DT800 Series DESI-less: DT400/DT800 Series Self-Labeling
DT300/DT700 Series DESI-less: DT300/DT700 Series Self-Labeling
DT830 DESI-less: DT830 Self-Labeling
DT830DG DESI-less: DT830DG Self-Labeling
DT820 DESI-less: DT820 Self-Labeling
DT730 DESI-less: DT730 Self-Labeling
DT710 DESI-less: DT710 Self-Labeling
DT430 DESI-less: DT430 Self-Labeling
DT330 DESI-less: DT330 Self-Labeling

In this manual, the following terminals are usually designated as each common term unless other type of terminal is specified.

COMMON TERMS			TERMINAL NAMES		
Multiline Terminal	Digital Multiline Terminal		D^{term}		D^{term}85 (Series i)
			DT500 Series		DT510
					DT530
			DT400 Series		DT410
					DT430
			DT300 Series		DT310
					DT330
	IP Station	IP Multiline Terminal	IP Enabled Digital Multiline Terminal		D^{term}85 (Series i) (IP Adapter Type)
			D^{term}IP INASET		
			D^{term}IP		D^{term}85 (Series i) (IP Bundled Type)
			DT900 Series	DT920 Series	DT920
					DT920 Self-Labeling
				DT930 Series	DT930
					DT930 Touch Panel
			DT800 Series		DT820/820C
					DT830/DT830CG/DT830DG
			DT700 Series		DT710
					DT730/DT730CG/DT730DG
					DT750
					DT770G
			Soft Phone		D^{term}SP30
					SP350
			SIP Wireless Terminal		MH240
IP Single Line Telephone (SIP)		Standard SIP Terminal	GT890 (ST500 for GT890 is installed.)		
			ST500 (for iOS or for Android)		
			Third-party SIP Terminal		

NOTE: *DT770G (Cradle Phone) is normally used together with a smart device. The operation and the condition depend on the specifications of application on smart device.*

COUNTRY REFERENCE

The exclusive commands for specific country are described as follows;

[Asia]
[Australia Only]
[Australia/North America]
[Australia/France/Germany/Netherlands/Italy/Greece/Luxembourg/Portugal/Spain/ Sweden]
[Australia/France/Germany/Netherlands/Italy/Greece/Luxembourg/Portugal/Spain/ Sweden/ITU-T (UAE)]
[Brazil Only]
[Chinese No. 1]
[For China]
[For EMEA]
[Mexico Only]
[New Zealand Only]
[New Zealand/China/Brazil/Europe]
[North America Only]
[Not used in North America]
[Other than Australia]
[Other than EMEA]
[Other than New Zealand]
[Other than North America]
[Other than North America/Australia]
[Russia Only]
[UAE Only]
[Venezuela Only]

REFERENCE MANUAL

Refer to the following manuals for information on each service programming.

System Manual:
Contains the system description and the programming procedure of the SV9300 System.

Programming Manual:
Contains procedure for programming each business, hotel, ISDN and OAI feature.

Networking Manual:
Contains the system description and the programming procedure for the CCIS, Q-SIG and Remote UNIT over IP System.

System Data Programming Manual:
Contains the Customer Specifications Sheets and the System Data Programming Sheets.

PC Programming Manual:
Contains the functional description and the installation procedure for the PCPro.

System Hardware Manual:
Contains the installation procedure for the PBX system and the hardware installation procedure for the SV9300.

System Maintenance Manual:
Contains the maintenance service features and the recommended troubleshooting procedure.

SYSTEM DATA IMPROVEMENTS FOR SV9300

The following system data have been improved for SV9300. For details of these improvements, refer to the tables below. The relevant data are automatically converted by using the "System Data Conversion Tool".

- Modification of default (initial) values for system data
  Values which needed to be changed in most environments at the system start-up have been defined as default (initial) values.
- System data consolidation
  An operation which had to be defined by combining two or more system data has been changed so that it can be specified only by one datum.
- Automatic system data setting
  The function to store call history for Multiline Terminal is automatically set so that it becomes available at the same time as the Multiline Terminal registration (by using CM10).

■ Modification of default (initial) values for system data

◀: Default

SYSTEM DATA		2ND DATA	
COMMAND	MEANING	SV8300	SV9300
CM04 Y=01 1ST DATA=02	Purpose of Caller ID sender	0 : Caller ID-Station 7◀: No data	7◀: Caller ID-Station
CM04 Y=01 1ST DATA=12	Store of CPU call information	0 : SRAM (Maximum 27000 calls) 1 : SRAM (Maximum 12000 calls) 3◀: SDRAM (1023 calls)	0 : Maximum 27000 calls 1 : Maximum 12000 calls 3◀: Maximum 12000 calls
CM08 1ST DATA=040	SMDR output for Tandem call	0 : Available 1◀: Not available	0 : Not available 1◀: Available
CM08 1ST DATA=379	Maximum number of dialed digits sent to the CCIS	0 : 24 digits 1◀: 15 digits	0 : 15 digits 1◀: 24 digits

Continued on next page

◀: Default

SYSTEM DATA		2ND DATA	
COMMAND	**MEANING**	**SV8300**	**SV9300**
CM08 1ST DATA=379	When a call is terminated via CCIS/SIP, whether Caller ID Display/Name Display (Attendant Called/Calling Name Display) is provided for the called station	0 : To provide 1◀: Not provided	0 : Not provided 1◀: To provide
CM08 1ST DATA=426	SMDR for incoming calls if the account code is not entered [related to CM13 Y=05 and CM35 Y=049]	0 : To provide 1◀: Not provided	0 : Not provided 1◀: To provide
CM08 1ST DATA=628	Link Reconnect-Peer-to-peer CCIS (Available when CM08>606:1)	0 : To provide 1◀: Not provided	0 : Not provided 1◀: To provide
CM08 1ST DATA=1007	Hold tone select for standard SIP station	0 : Hold Tone Source on CPU blade (selected by CM48) 1◀: Hold Tone Source on Standard SIP station	0 : Hold Tone Source on Standard SIP station 1◀: Hold Tone Source on CPU blade (selected by CM48)
CM08 1ST DATA=1035	Kind of Tone when a service is set by access code from Standard SIP station	0 : Service Set Tone (SST) 1◀: As per CM08>1031	0 : Hearing RBT 1◀: Service Set Tone (SST)
CM08 1ST DATA=1036	Music on Hold External for DT700/DT800/DT900 Series Terminal	0 : Available 1◀: Not available	0 : Not available 1◀: Available

Continued on next page

◀: Default

SYSTEM DATA		2ND DATA	
COMMAND	**MEANING**	**SV8300**	**SV9300**
CM15 Y=224 (Service Restriction Class A)	Calling Number Display when an internal incoming call is terminated to the sub line of Multiline Terminal	0 : Allow 1◀: Restricted	0 : Restricted 1◀: Allow
CM15 Y=225 (Service Restriction Class A)	Calling Number Display when an external incoming call is terminated to the sub line of Multiline Terminal	0 : Allow 1◀: Restricted	0 : Restricted 1◀: Allow
CM15 Y=400 (Service Restriction Class A)	Displaying pattern of Caller ID on the LCD of Multiline Terminal before answering or after answering a trunk call	0 : To display calling number on upper line of LCD, calling name on middle line of LCD 1 : To display calling name on upper line of LCD, calling number on middle line of LCD 7◀: Not displayed calling number and calling name simultaneously	0 : Not displayed calling number and calling name simultaneously 1 : To display calling name on upper line of LCD, calling number on middle line of LCD 7◀: To display calling number on upper line of LCD, calling name on middle line of LCD
CM15 Y=199 (Service Restriction Class C)	Security Mode for DT700/DT800/DT900 Series	0 : Restricted 1◀: Allow	0 : Allow 1◀: Restricted
CM41 Y=0 1ST DATA=130, 131, 132	Expire value for DT700/DT800/DT900 Series REGISTER	NONE◀: 3 minutes	NONE◀: 7 minutes
CM41 Y=0 1ST DATA=159	Timing until sending the reverse signal to Standard SIP station	0 : Not sent 01-99 : 4-396 seconds NONE◀: 12 seconds	0 : Not sent 01-99 : 4-396 seconds NONE◀: Not sent

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◀: Default

SYSTEM DATA		2ND DATA	
COMMAND	**MEANING**	**SV8300**	**SV9300**
CM42 Y=183	Maximum number of simultaneous callings of each blade for SLT	01-16 : 1-16 calls NONE◀: 4 calls	01-16 : 1-16 calls NONE◀: 16 calls
CM48 Y=0	Hold Tone Sending	0000 : No Tone 0500 : Hold Message 1300 : Hold Tone Source on CPU blade/ External Hold Tone Source 1400 : Hold Tone Source on CPU blade 1500 : Internal Tone Generator NONE◀: Internal Tone Generator	0000 : No Tone 0500 : Hold Message 1300 : Hold Tone Source on CPU blade/ External Hold Tone Source 1400 : Hold Tone Source on CPU blade 1500 : Internal Tone Generator NONE◀: Hold Tone Source on CPU blade
CM48 Y=2 1ST DATA=04	2nd DT sending on ISDN trunks	0 : To provide 1◀: Not provided	0 : Not provided 1◀: To provide
CMA7 Y=26	Calling Name Display-CCIS/SIP trunk	0 : To provide 1◀: Not provided	0 : Not provided 1◀: To provide
CMA7 Y=28	Calling Party Information transferring service	0 : To provide 1◀: Not provided	0 : Not provided 1◀: To provide
CMAA Y=00	Data Mode (1.5M (T1) DTI)	0 : Based on AT&T Specifications 1◀: Not Used	1◀: Based on AT&T Specifications

■ System data consolidation

◀: Default

SV8300			SV9300		
COMMAND	**MEANING**	**2ND DATA**	**COMMAND**	**MEANING**	**2ND DATA**
CM15 Y=083, 084, 093 (Service Restriction Class C)	Multiline Terminal Ringer Tone Pattern	See the table below	CM15 Y=491 (Service Restriction Class C)	Multiline Terminal Ringer Tone Pattern	0 : Ringer Tone Pattern 0 1 : Ringer Tone Pattern 1 2 : Ringer Tone Pattern 2 3 : Ringer Tone Pattern 3 4 : Ringer Tone Pattern 4 5 : Ringer Tone Pattern 5 6 : Ringer Tone Pattern 6 7◀: Ringer Tone Pattern 7

Table: SV8300 System data combinations to specify Ringer Tone Patterns

◀: Default

083, 084 \ 093	0	1◀
0, 0	Ringer Tone Pattern 3	Ringer Tone Pattern 2
0, 1	Ringer Tone Pattern 6	Ringer Tone Pattern 1
1, 0	Ringer Tone Pattern 5	Ringer Tone Pattern 0
1◀, 1◀	Ringer Tone Pattern 4	Ringer Tone Pattern 7

■ Automatic system data setting

◀: Default

SYSTEM DATA		2ND DATA	
COMMAND	MEANING	SV8300	SV9300
CM13 Y=03	Message Waiting/Message Reminder	0 : To provide 1◀: Not provided	0 : To provide 1◀: Not provided
CM13 Y=41	Storage of the call history (IC) when answering a station call	0 : To store 1◀: Not stored	0 : To store 1◀: Not stored * When Multiline terminal or IP station is assigned by CM10 Y=00/01: FX-FXXXXXXXX, the second data is automatically set to "0" (To store).
CM13 Y=49	Storage of the call history (IC) when handling of unanswered call		
CM13 Y=60	Storage of the call history (IC) when answering a trunk call		
CM13 Y=61	Storage of the call history (IC) when handling of unanswered a trunk call		

■ Others

□ Modification of the 1st data

◀: Default

SV8300			SV9300		
COMMAND	MEANING	2ND DATA	COMMAND	MEANING	2ND DATA
CM4A Y=00 1ST DATA= 90	Calendar No. (for automatic switching to be specified for each tenant/ system)	00 : Calendar No. 1 01 : Calendar No. 2 02 : Calendar No. 3 03 : Calendar No. 4 NONE◀:No data	CM4A Y=00 1ST DATA= 100	Calendar No. (for automatic switching to be specified for each tenant/ system)	00 : Calendar No. 1 01 : Calendar No. 2 02 : Calendar No. 3 03 : Calendar No. 4 NONE◀:No data

HOW TO USE CAT

Chapter

1

This chapter explains how to use the Customer Administration Terminal (CAT) which is used as the man-machine interface with the PBX.

CAT AND PCPro

In this system, the Customer Administration Terminal (CAT) or PCPro is used for programming the system data.

The CAT is a digital multi function telephone (Multiline Terminal) which is equipped with function keys, a dial pad and LCD and interfaces with the system via the CPU blade.

The PCPro is a personal computer that provides an interface to the PBX via the system CPU blade. The PCPro PC must have the PCPro program properly installed to communicate with the PBX. The PCPro is required for system software registration and activation.

The PCPro program is a Graphical User Interface (GUI) program that provides an efficient method for manipulating the PBX database. This program contains extensive help files, Usage Wizards and Tool Tips, with hyperlinks imbedded in the text. The hyperlinks provide quick access to the appropriate Add-In chassis. Add-In chassis provide a user-friendly, intuitive method for customizing the PBX database. For more details, refer to the PC Programming Manual.

CAT KEY FUNCTIONS

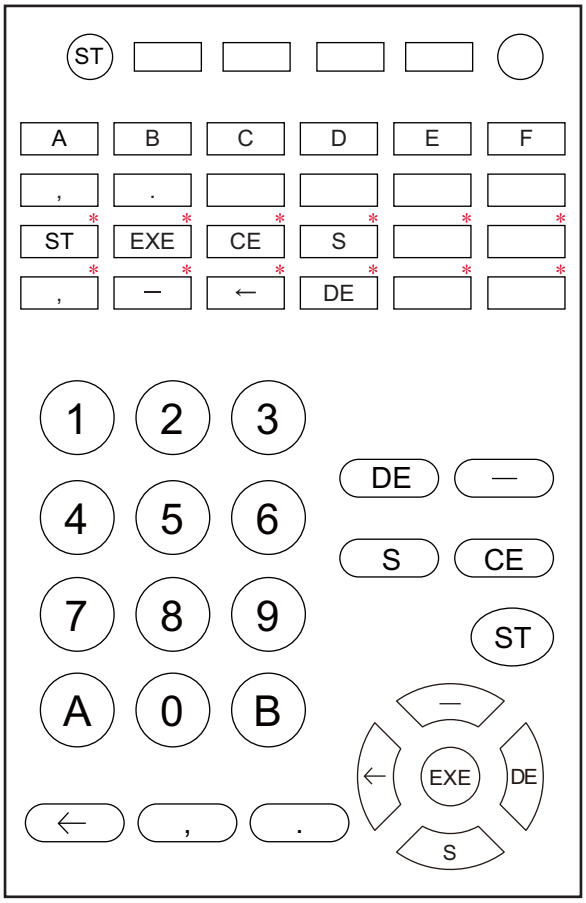
In the CAT mode, each key on the Multiline Terminal is automatically assigned as shown in figure below. For the function of each key, see “CAT Function Keys”. ☞ *Page 1-15*

- CM08>911 (Layout the key on CAT mode)
  2nd data: 0 (Old layout)
  : 1 (Standard layout)

NOTE: *Only Standard layout can be used regardless of this command when using DT300/DT700 Series DESI-less, DT400/DT800 Series DESI-less, DT900 Series (Self-Labeling) or DT750.*

CAT Key Assignment (Standard layout)

- DT400/DT500/DT800/DT900 Series
  Example: DT930 (24 Line/Trunk/Feature Keys)



NOTE: *The keys marked by "*" are not available when using 12 keys kit.*

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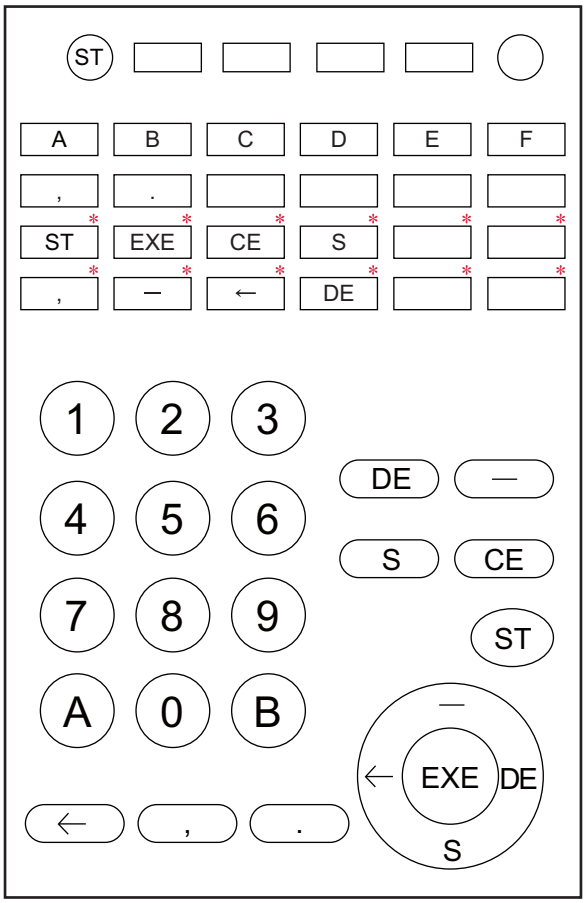
- DT300/DT700 Series
  Example: DT730 (24 Line/Trunk/Feature Keys)



NOTE: *The keys marked by "*" are not available when using 12 keys kit.*

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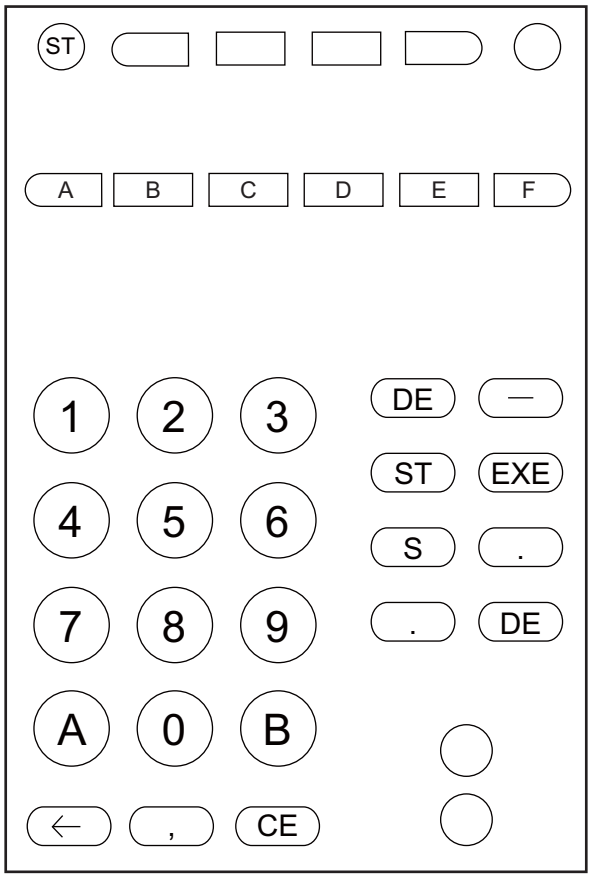
- DT400 Series
  Example: DT430 (6 Line/Trunk/Feature Keys)



NOTE: *When using DT300/DT400/DT700 Series (6DE), be sure to use it with a setting for the Standard layout (CM08>911: 1).*

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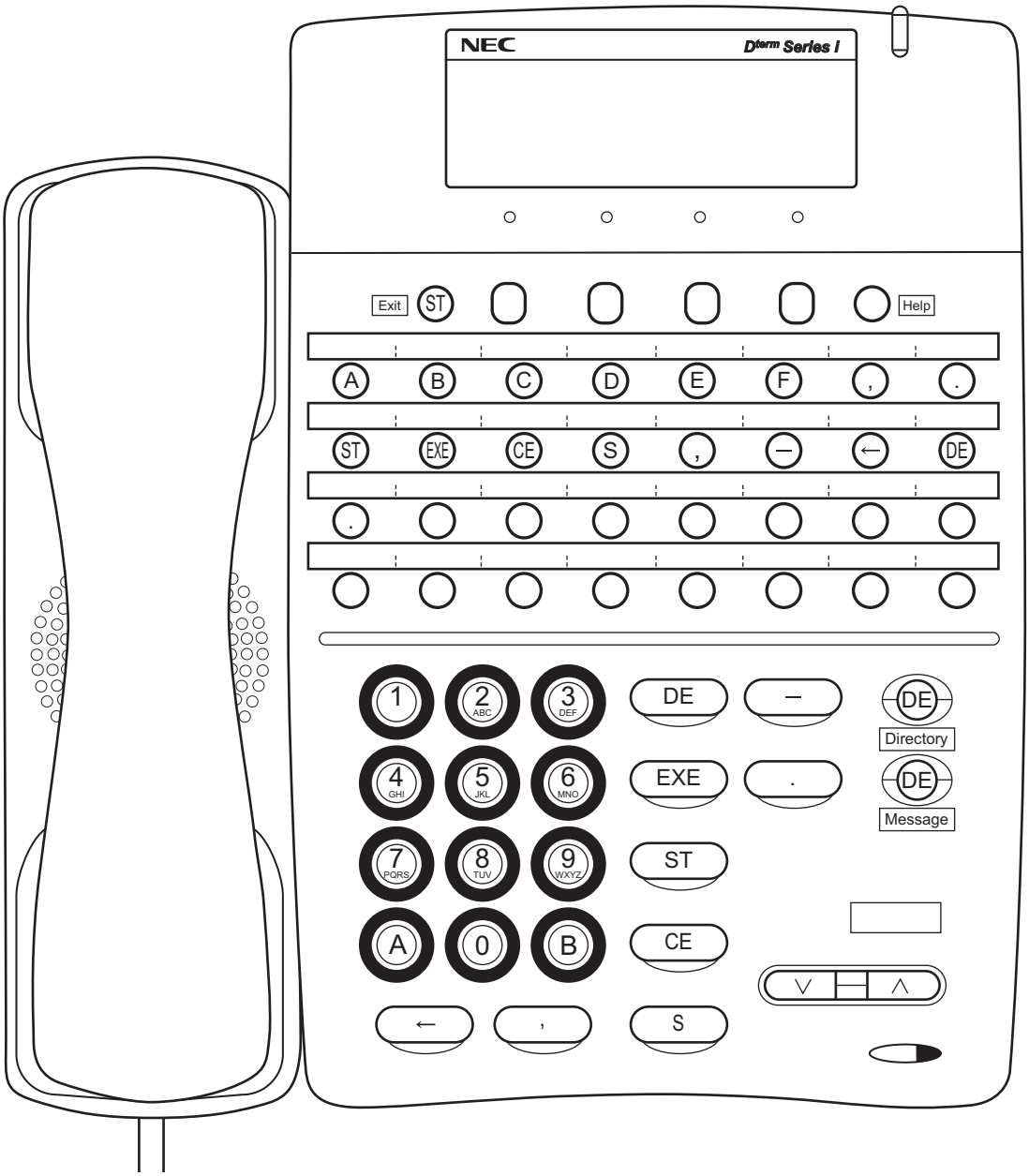
- $D^{term}IP$
  Example: $D^{term}85$ (Series i) (16 Line/Trunk Feature Keys + 16 One Touch Keys (CM12 Y=24 2nd data=7))



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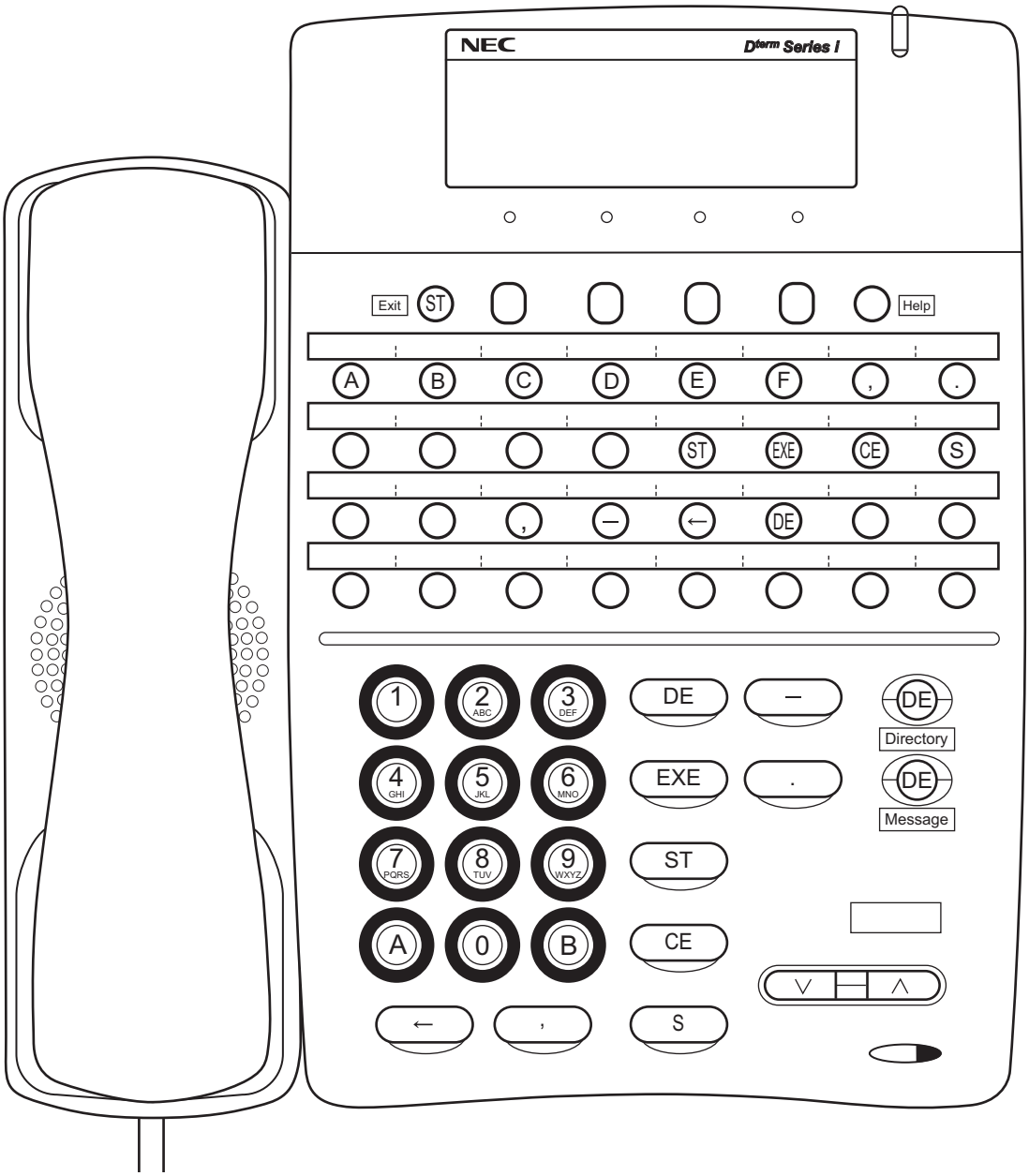
- $D^{term}IP$
  Example: $D^{term}85$ (Series i) (24 Line/Trunk Feature Keys + 8 One Touch Keys (CM12 Y=24 2nd data=7))



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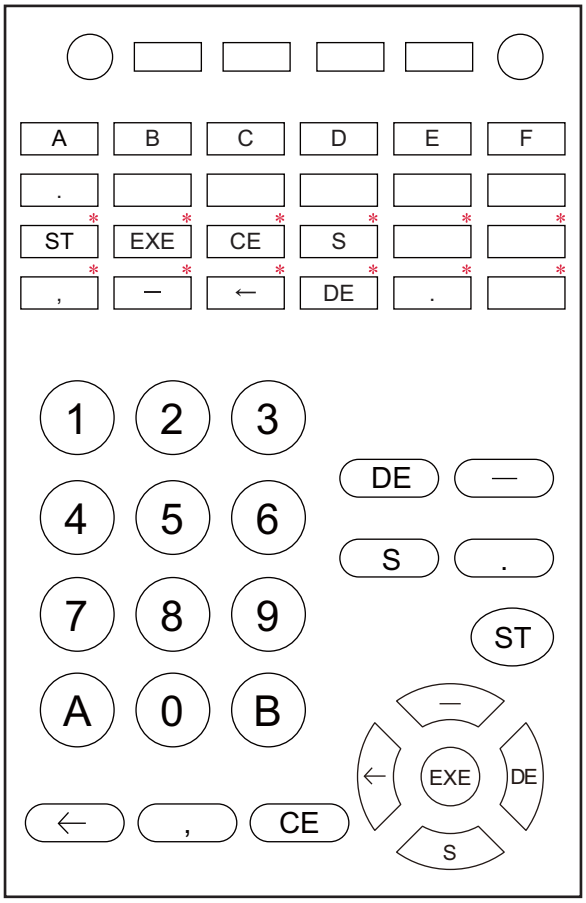
CAT Key Assignment (Old layout)

- DT400/DT500/DT800/DT900 Series
  Example: DT930 (24 Line/Trunk/Feature Keys)



NOTE: *The keys marked by "*" are not available when using 12 keys kit.*

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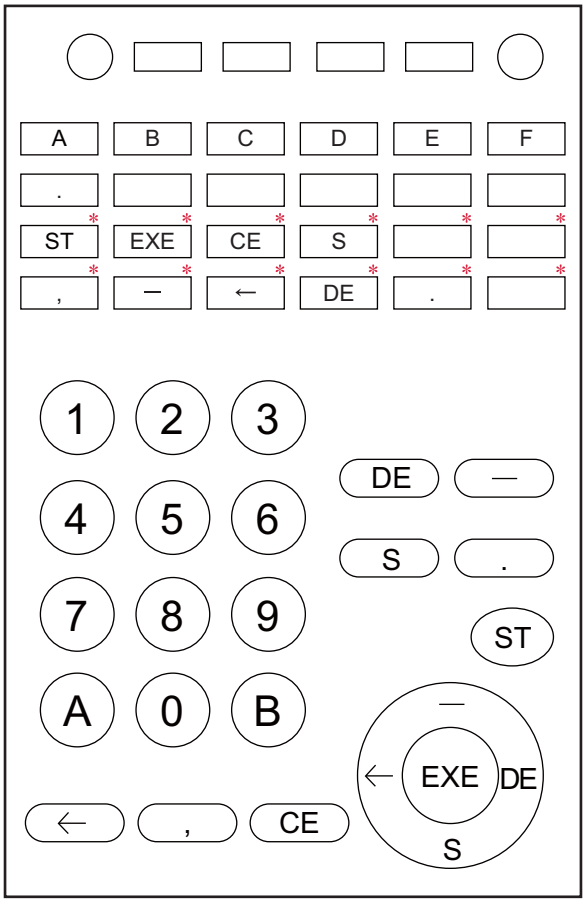
- DT300/DT700 Series
  Example: DT730 (24 Line/Trunk/Feature Keys)



NOTE: *The keys marked by "*" are not available when using 12 keys kit.*

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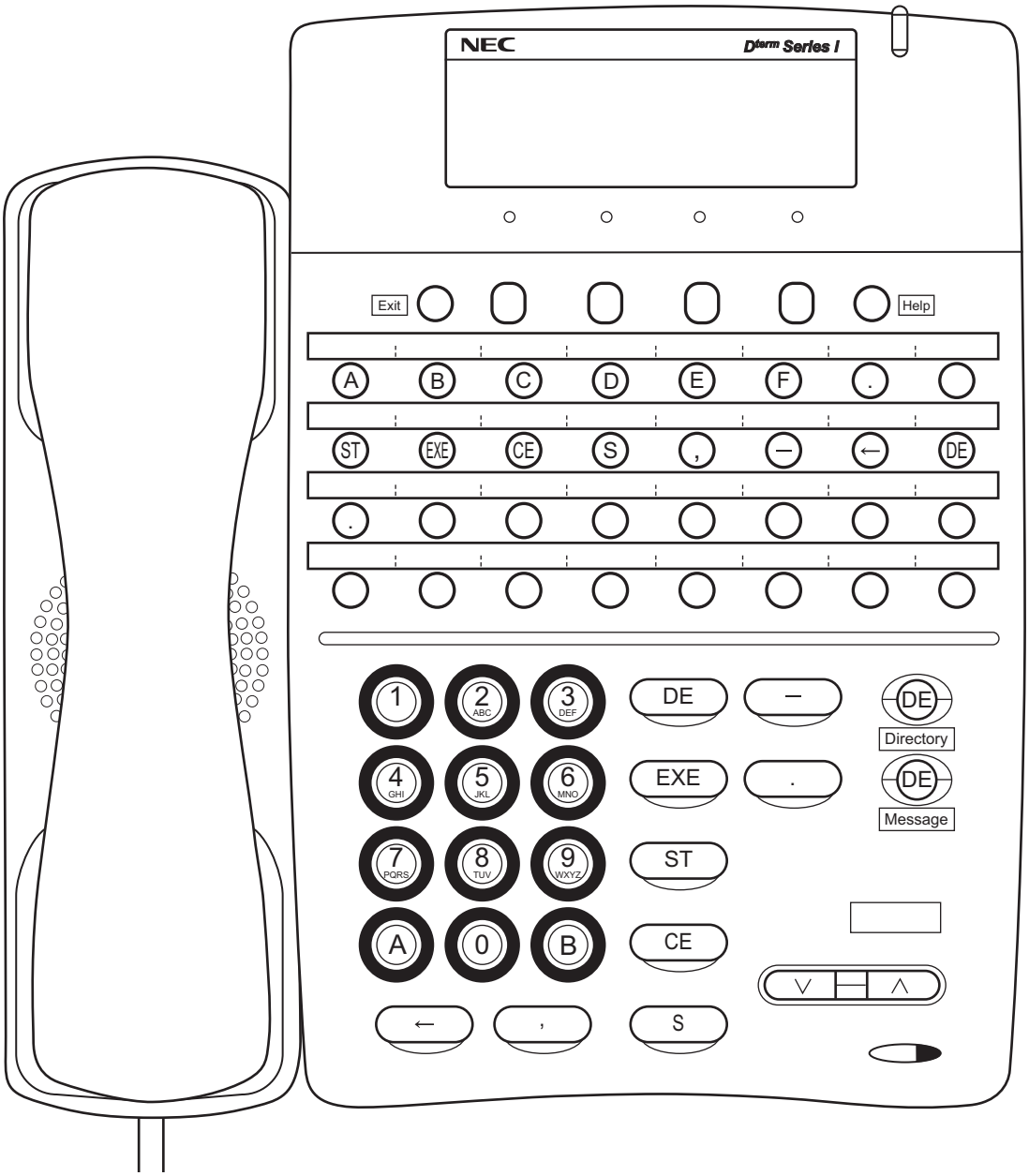
- $D^{term}IP$
  Example: $D^{term}85$ (Series i) (16 Line/Trunk Feature Keys + 16 One Touch Keys (CM12 Y=24 2nd data=7))



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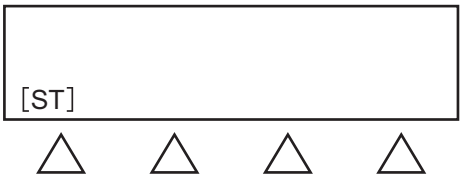
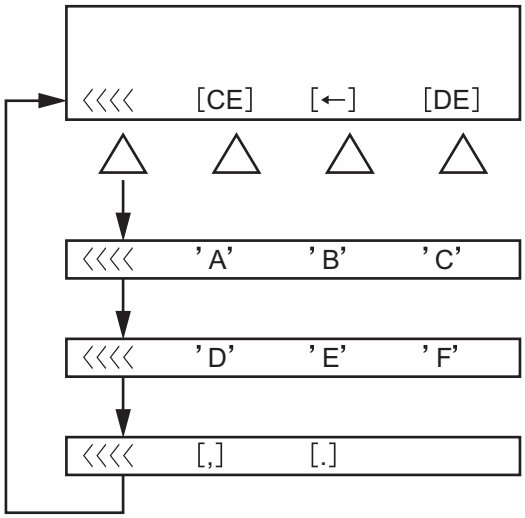
CAT KEY ASSIGNMENT OF MULTILINE TERMINAL SOFT KEY

CAT key assignment of Multiline Terminal soft key can be used. The screen transition of CAT key assignment is as follows.

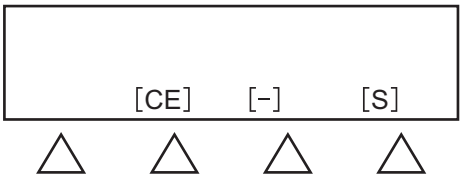
- Multiline terminals except DT300/DT400/DT700/DT800 Series DESI-less, DT900 Series Self-Labeling and DT750
  - When starting CAT mode



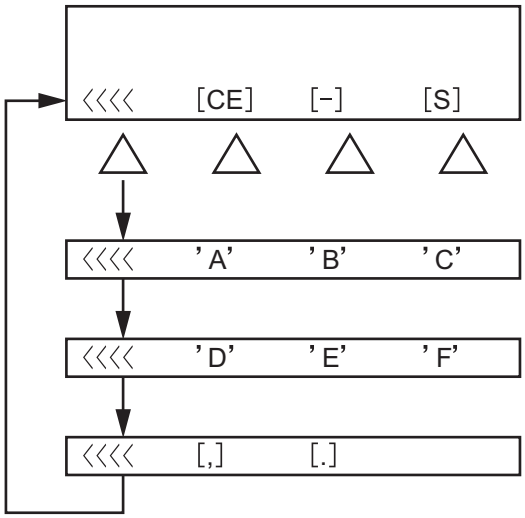
  - When setting the command code or the first data



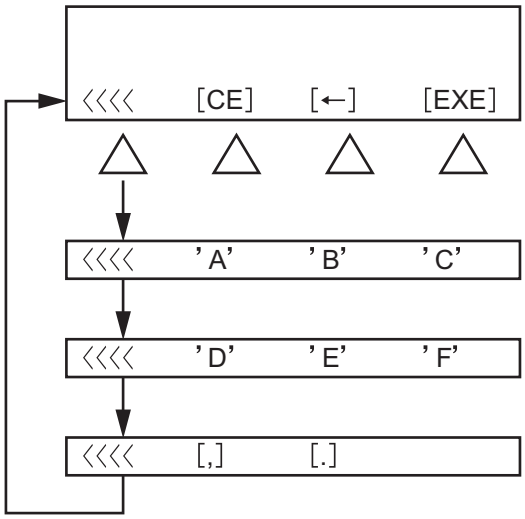
  - When error occurred after setting the first data



- Before setting the second data (after setting the first data)



- When setting the second data



- After setting the second data

- DT300/DT400/DT700/DT800 Series DESI-less and DT750
  - For DT300/DT700 Series DESI-less (8LD) and DT400/DT800 Series DESI-less (8LD), LCD screens can be switched between the front page and the fourth page with a press of the Scroll Key.
  - For DT700 Series DESI-less (8LDE), only the front page can be displayed.
  - For DT750, LCD screens can be switched between the front page and the fourth page with a touch of the number key 1-4 in the center of the LCD screen.

Front page/Third page

ST : Start	1	EXEcute
	2	– : Prev ↑
CE : Clear	3	S : Next ↓
〈– : Back	4	DE : Entry

Second page/Fourth page

A	1	E
B	2	F
C	3	,
D	4	.

NOTE: *Soft keys of Multiline Terminals can be used on CAT mode even if the second data of CM12 Y=22 is set to "0" (not available).*

CAT Function Keys

FUNCTION KEY	MEANING
ST	Command entry start
EXE	Execution of data write
CE	Cancel of key operation (Clear entry)
S	Display of next data (Step forward)
,	Separator; to be entered between two different data such as first/second data (For example CM72)
–	Display of previous data (Step backward)
←	Cancel of one character out of the entered data (Back space)
DE	Data End; to be entered at the end of the command code or at the end of each data entry
.	Period; to be entered when setting the IP address

CAT Digit Keys

DIGIT KEY	MEANING
0-9, A-F	Data (Data is entered by hexadecimal code 0-F)
A	*: As a dial digit
B	#: As a dial digit
C	Clear Assigned data by “CCC”
G-Z, &, –	Not used

CAT MODE SETTING PROCEDURE

To set CAT mode:

- For DT300/DT400/DT500/DT700/DT800/DT900 Series/D^{term}85 (Series i)

  1. Press the Keys on the terminal in the following order when the terminal is on idle state.

2	2	8	6	6	3	3	#
"C"	"A"	"T"	"M"	"O"	"D"	"E"	

  2. Press [Hold]
     – "CAT MODE" is displayed on LCD

NOTE: *CAT mode is not available when preset dialing on the terminal is restricted (set by CM15 Y=212: 0).*

- For D^{term}85 (Series i)

  1. Press [Transfer]
  2. Press [Conf]
     – Conf lamp flashes
  3. Press [*]
     – Conf lamp off
  4. Press [Transfer]
  5. Press [Conf]
     – Conf lamp flashes
  6. Press [#]
     – Conf, Speaker, Answer lamp on
     – "CAT MODE" is displayed on LCD
  7. Press [ST]
     – "COMMAND= –" is displayed on LCD

NOTE: *Step 1 through 6 need to be completed within 4 seconds.*

To clear the CAT mode:

- For DT300/DT400/DT500/DT700/DT800/DT900 Series/D^{term}85 (Series i)

  1. Press EXIT key while “COMMAND= –” is displayed on the LCD.

     or

  1. Lift handset (Off Hook)
     – Speaker lamp off.
  2. Replace handset (On Hook)
     – Conf, Answer lamps off.
     – LCD returns to clock.

NOTICE ON CAT MODE

(1) The CAT is used in on-line. Therefore, offline commands cannot be accessed from the CAT.

(2) To use the CAT after clearing all system data, perform the following operations on the system.

1. Plug a DLC blade into Slot01 accommodated in Unit01 (for Multiline Terminal).
2. Connect the CAT (Multiline Terminal) to Physical Port No. 010101 at the MDF or Virtual Port No. 0000.
3. Set SENSE switch on the CPU blade accommodated in Unit01 to “A”.
4. Press RESET switch on the CPU blade accommodated in Unit01.
5. Check the LED status.
   - RUN LED lights and SYSD LED flashes while loading the standard system data.
   - RUN LED and SYSD LED go off and S2 LED lights when the standard system data is loaded normally.
   - RUN LED and SYSD LED go off and ALM LED lights if the loading of the standard system data fails. In that case, retry the above procedure 3-4.

NOTE 1: *All pre-set data is deleted when loading the standard system data.*
NOTE 2: *When a call is connected to a line at loading the standard system data, the call is disconnected at the point of pressing the RESET switch.*
NOTE 3: *Pre-registered license data is maintained even if the standard system data is loaded.*
NOTE 4: *The station call is not available by just loading the standard system data. Besides, the system data setting for stations is required.*
NOTE 5: *The standard system data is the data which shall be valid for the following data.*
- *Station number 300 (for Digital Multiline Terminal) for Physical Port number 010101*
- *Station number 301 (for IP Multiline Terminal) for Virtual Port number 0000 (for IP terminal)*

  In addition, the standard system data enables the Unit01-04 to operate together. After loading the standard system data, you can register the system data with CAT feature of Multiline Terminal without PCPro.

The following data is automatically set when loading the standard system data.

Command List Set by Standard System Data Assignment

COMMAND CODE	Y NUMBER	1ST DATA	2ND DATA	REMARKS
00	–	1	CCC	System Data All Clear
		02	CCC	SRAM area All Clear
05	0	0101	10	DLC blade registration of Slot No. 01 of Unit01
0B	001	00	192.168.1.1	IP address of Maintenance Port of Unit01
		01	255.255.255.0	Subnet Mask of Maintenance Port of Unit01
		140	192.168.1.101	IP address of Maintenance Port of Unit01 (STBY-CPU)
	002	00	192.168.1.2	IP address of Maintenance Port of Unit02
		01	255.255.255.0	Subnet Mask of Maintenance Port of Unit02
		140	192.168.1.102	IP address of Maintenance Port of Unit02 (STBY-CPU)
	003	00	192.168.1.3	IP address of Maintenance Port of Unit03
		01	255.255.255.0	Subnet Mask of Maintenance Port of Unit03
		140	192.168.1.103	IP address of Maintenance Port of Unit03 (STBY-CPU)

Continued on next page

Command List Set by Standard System Data Assignment

COMMAND CODE	Y NUMBER	1ST DATA	2ND DATA	REMARKS
0B	004	00	192.168.1.4	IP address of Maintenance Port of Unit04
		01	255.255.255.0	Subnet Mask of Maintenance Port of Unit04
		140	192.168.1.104	IP address of Maintenance Port of Unit04 (STBY-CPU)
	101	00	172.16.1.1	IP address of VOIP Port for control packet of Unit01
		01	255.255.0.0	Subnet Mask of VOIP Port for control packet of Unit01
	102	00	172.16.2.1	IP address of VOIP Port for control packet of Unit02
		01	255.255.0.0	Subnet Mask of VOIP Port for control packet of Unit02
	103	00	172.16.3.1	IP address of VOIP Port for control packet of Unit03
		01	255.255.0.0	Subnet Mask of VOIP Port for control packet of Unit03
	104	00	172.16.4.1	IP address of VOIP Port for control packet of Unit04
		01	255.255.0.0	Subnet Mask of VOIP Port for control packet of Unit04
	201	00	172.16.1.2	IP address of VOIP Port for voice control of Unit01
	202	00	172.16.2.2	IP address of VOIP Port for voice control of Unit02
	203	00	172.16.3.2	IP address of VOIP Port for voice control of Unit03

Continued on next page

Command List Set by Standard System Data Assignment

COMMAND CODE	Y NUMBER	1ST DATA	2ND DATA	REMARKS
0B	204	00	172.16.4.2	IP address of VOIP Port for voice control of Unit04
10	00	010101	F300	Assignment of the Station No. 300 (for Digital Multiline Terminal) to the Physical Port 010101
	01	0000	F301	Assignment of the Virtual Port No. 301 (for IP Multiline Terminal) to the IP Port 0000

(3) Do not change or delete the My Line number (set by CM10 Y=00) of the CAT, during CAT mode.

(4) There are no limitations on the number of Multiline Terminals in the system that can be programmed to allow CAT capability. However, the number of Multiline Terminals that can be placed into CAT mode, at the same time, is two.
If no key operation is executed for about 10 minutes, the CAT mode is canceled.

(5) When a Multiline terminal is displayed “COMMAND=–” on CAT mode, CAT mode is finished by pressing Exit key. In other cases, the behavior of pressing EXIT key is similar to the behavior of pressing ST key.

(6) Soft Phone cannot be used for CAT.

(7) CAT and Dynamic Dial Pad cannot be used at the same time.
CAT and Preset Dialing can be used at the same time.

CAT OPERATION

When setting the system data, it is necessary to enter the following three kinds of data.

- Command Code
- First Data
- Second Data

The operation is explained below.

(1) To confirm the existing system data

[ST] + Command Code + [DE] + First Data + [DE]

With the above entry completed, the present second data is displayed on the LCD.
If the second data is not assigned yet, either the default value or “NONE” is displayed.

(2) To assign (change) the system data

[ST] + Command Code + [DE] + First Data + [DE] + Second Data + [EXE]

With [EXE] pressed, “OK” is displayed on the LCD.
To confirm the data assigned, press [DE] after entering the fist data.

(3) Use of [S] button and [–] button

- If [S] is pressed after setting the second data (after [EXE] has been pressed), the next first data is displayed.

- If [–] is pressed after setting the second data (after [EXE] has been pressed), the last data is displayed.

The examples of data setting are described below.

(1) Example in the case that station number 300 is to be assigned to Physical Port No. 010101 and station number 301 to Physical Port No. 010102 by CM10 Y=00.

Example of CAT Operation

		(Display)	
STEP 1	Set CAT mode.	CAT MODE	
STEP 2	Press [ST].	COMMAND = _	
STEP 3	Enter "1000" (Command Code).	COMMAND = 1000 _	
STEP 4	Press [DE].	1000 > _	
STEP 5	Enter "010101" (Physical Port No.).	1000> 010101 _	
STEP 6	Press [DE].	1000> 010101: NONE– _	**NOTE 1**
STEP 7	Enter "300" (Station Number).	1000> 010101: NONE–300	
STEP 8	Press [EXE].	OK _	
STEP 9	Press [DE].	1000> 010101: 300 – _	**NOTE 2**
STEP 10	Press [S].	1000> 010102: NONE _	**NOTE 1**
STEP 11	Enter "301" (Station Number).	1000> 010102: NONE–301	
STEP 12	Press [EXE].	OK _	
STEP 13	Press [DE].	1000> 010102: 301 _	**NOTE 2**
STEP 14	Lift handset, then replace it.		

NOTE 1: *When no data exists, "NONE" is displayed. And when data exists, that data is displayed.*

NOTE 2: *This* [DE] *operation is for confirming the data assignment. You can omit this step.*

(2) Example of correcting the data entry

In STEP 5 in the above (1) example, when DE has been pressed after entering "010102" by mistake, press CE . Then the state returns to STEP 4.

STEP1:	CM10 Y=00 has been entered and DE has been pressed.	1000> __
STEP2:	"010102" has been entered instead of "010101" as intended.	1000>010102 __
STEP3:	"010102" has been assigned as the first data after pressing DE .	1000>010102: NONE __
STEP4:	If CE is pressed, the state returns to that of Step 1.	1000> __
STEP5:	Enter "010101".	1000>010101__
STEP6:	Press DE , and assign the correct first data.	1000>010101: NONE __

If, in Step 11 in the above (1) example, when "302" has been entered instead of "301", press ← . Then the cursor moves to the position of "2".

STEP1:	In Step 11, enter "302" instead of "301" as intended.	1000>010102: NONE-302
STEP2:	Press ← .	1000>010102: NONE-30 __
STEP3:	Press digit Key "1".	1000>010102: NONE-301__

(3) Example of deleting station number “300” assigned to Physical Port No. 010101 after completing all the operation in the above (1) example.

STEP1:	Press [ST] .	COMMAND= __
STEP2:	Enter “1000”. (Command Code)	COMMAND=10 __
STEP3:	Press [DE] .	1000> __
STEP4:	Enter Physical Port No. “010101”.	1000>010101 __
STEP5:	Press [DE] .	1000>010101: 300–
STEP6:	Enter “CCC”.	1000>010101: 300–CCC
STEP7:	Press [EXE] .	OK
STEP8:	Press [DE] .	1000>010101: NONE

ERROR MESSAGES

When an operation is incorrect, or wrong data is entered, an error message is displayed on the LCD. Error messages and their meanings are shown below.

Error Messages

ERROR MESSAGE	MEANING OF MESSAGE	ACTION
CM DIGIT ERROR/ DIGIT ERROR NOTE	Error in the number of digits of the command code entered.	Depress “ST” or “CE” and enter the correct data.
FD DIGIT ERROR/ DIGIT ERROR NOTE	Error in the number of digits of the first data entered.	
SD DIGIT ERROR/ DIGIT ERROR NOTE	Error in the number of digits of the second data entered.	
FD DATA ERROR/ DATA ERROR NOTE	The value of the first data entered is incorrect.	
SD DATA ERROR/ DATA ERROR NOTE	The value of the second data entered is incorrect.	
CM CODE NOT ALLOWED/CODE NOT ALLOWED NOTE	Command which is not allowed in the current status (for example, the message is displayed when executing CM00 in online status).	Check whether the command is available or not.
FD CODE NOT ALLOWED/CODE NOT ALLOWED NOTE	First data which is not allowed in the current status.	Check whether the first data is available or not.

Continued on next page

Error Messages

ERROR MESSAGE	MEANING OF MESSAGE	ACTION
SD CODE NOT ALLOWED/CODE NOT ALLOWED **NOTE**	Second data which is not allowed in the current status.	Check whether the second data is available or not.
CM CODE NOT USED/ CODE NOT USED **NOTE**	The command code entered is not in use, or password is needed.	Depress “ST” or “CE” and enter the correct data.
FD CODE NOT USED/ CODE NOT USED **NOTE**	The first data entered is not in use, or password is needed.	
SD CODE NOT USED/ CODE NOT USED **NOTE**	The second data entered is not in use, or password is needed.	Depress “ST” or “CE” and enter the correct data.
DATA NOT FOUND	A station number not assigned has been entered.	
WAIT, BUSY NOW	The station or trunk, for which data is to be changed, is busy.	Wait until it becomes idle.
ASSIGNED ALREADY	This error message is displayed when not enough digits are entered. For example, when assigning “12” for a service access code, even if “123” has been already used for another service access code.	Depress “ST” or “CE” and enter the correct data.
HARDWARE ERROR	Memory read/write disabled.	Check the switch setting of CPU blade or replace the CPU blade with spare.

Continued on next page

Error Messages

ERROR MESSAGE	MEANING OF MESSAGE	ACTION
WRONG	The data stored in the memory is wrong. This message is displayed when too many digits are entered. For example, when assigning “123” for a service access code when “12” has been already used for another service access code.	Clear the present data by entering “CCC”, or enter the correct data.
SEE CMxx YYYY	Double assigned error of the same station number or trunk number.	The station number or trunk number intended is already assigned to first data YYYY of CMxx. Confirm.
USE CMxxxx	The data is already assigned by another command.	The command code and YY number already assigned are displayed. Confirm.
TRK NOT ASSIGNED	The designated trunk is not assigned.	Assign the trunk by CM10.
WD ERROR	Error exists in memory.	Check the second data to register and enter the correct data.
MEMORY FULL	Memory allocation disabled when using finite memory with plural commands.	Check the number of data registered.

NOTE: *Depending on the command entered, either one of two error messages is displayed.*

PRECAUTION

Chapter

2

This chapter explains precautions for using commands, such as conditions for using commands, method of setting on-line/off-line mode, method of system data/SRAM data all clear, port allocation, password entry, and nation code assignment.

CONDITIONS FOR USING COMMANDS

(1) Some commands require a system reset after data setting, and others cannot be assigned/changed unless the system is in off-line mode (a state in which call processing is at a halt).
These commands are shown in the following table, categorized according to the conditions for their use.

(2) When deleting data in any command, enter “CCC” as the 2nd data. However, data in the following commands cannot be deleted.

- Commands where the default (◀) is provided but the default (◀) is “NONE”.
- CM29, CM41, CM42, CM60 Y=30.

Conditions for Using Commands

CONDITION	COMMANDS	MEANINGS
Commands which require a reset of the CPU blade after data setting. • Press RESET switch on the CPU blade for system reset. NOTE 1 RESET	CM05 Y=2	Blade Type, Trunk Blade Number, Highway Channel for ISDN Data Communication
	CM08>335, 391, 420, 592	Basic Services
	CM0B Y=0XX>00-02, 09, 20, 41, 42, 50-52, 91-94, 100-104, 110-118, 120-127, 129, 140-142, 148 Y=1XX>00-02, 09, 20, 30-40, 43, 50-52, 60, 61, 70, 80-84, 140, 143, 160, 161, 163, 165-167, 170, 182 Y=2XX>00, 29, 40, 91, Y=000	LAN Data Assignment
	CM10 Y=00: DXXX NOTE 2 Y=01: EEC000-EEC127, Y=03 NOTE 3	Station Number, Trunk Number, Blade Number
	CM30 Y=00, 35	Trunk Data
	CM31 Y=0, 1, 3	MFC/MF-ANI Trunk Data
	CM41 Y=0>123, 151-153	System Timer Data
	CM42>66	System Counter Data/Pad Data/ Trunk Restriction Class Conversion/Codec List
	CM67 Y=14, 15 NOTE 4	Location Data Assignment
	CMA7 Y=01, 46, 78	CCIS Channel/IP Trunk/SIP Trunk Data 1
	CMAD Y=50	SIP Converter Calling Assignment
	CMBA Y=04, 10, 25, 30-32, 44-47, 54, 55, 70-79, 84-86, 92-96, 98-103, 107, 108, 110, 112, 117, 118, 131, 139, 159	SIP Profile Data
	CMBC Y=03, 06, 07, 15	SIP Converter, Greeting Process of SP350

NOTE 1: *Before the CPU blade is reset, the system data backup must be executed by CMEC Y=6>0: 0.*
NOTE 2: *A system reset is required only for CCT trunk.*
NOTE 3: *A system reset is required only for SIP trunk.*
NOTE 4: *A system reset is required only for DT700/DT800/DT900 Series/SP350.*

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Conditions for Using Commands

CONDITION	COMMANDS	MEANINGS
Commands which require a reset of the blade after data setting. • Executed by CME0 Y=3 BLADE RESET	CM04 Y=10-59>01, 02	Setting of System Services
	CM05 Y=0, 1	Blade Type, Trunk Blade Number, Highway Channel for ISDN Data Communication
	CM08>644	Basic Services
	CM10 Y=00: DXXX, E000-E007 **NOTE 1**	Station Number, Trunk Number, Blade Number
	CM13 Y=32, 33, 63	Station Class-2
	CM30 Y=00	Trunk Data
	CM35 Y=001, 009, 020, 023, 025, 037, 079, 089, 104, 105, 113, 129: 4, 144, 291, 299, 357, 369 **NOTE 2**	Trunk Route Data
	CM41 Y=0>38, 142, Y=1>20, 22, 23, 24-27, Y=2>50-77, 80-87, Y=3>20-26, 30-44, 49-57	System Timer Data
	CMA9	ISDN (PRI) D-Channel Assignment
	CMAA Y=00-02, 06, 09, 19-21, 25	DTI/BRT/PRT/CCT Blade Functions
	CMAC Y=01, 03, 16	ISDN Functions
	CMEE	Application Blade Data Assignment

NOTE 1: *When CM10 Y=00: DXXX is executed, a blade reset by CME0 Y=3 is required only for LDT/ODT/DTI.*

NOTE 2: *Whether a blade reset is required in these commands depends on blade type.*

☞ See PRECAUTION (2) of CM35

Continued on next page

Conditions for Using Commands

CONDITION	COMMANDS	MEANINGS
Commands which can be used only under Off-Line mode of the CPU blade. See "METHOD OF SETTING ON-LINE/OFF-LINE MODE". ☞ Page 2-7 NOTE OFF LINE	CM00	System Data Memory All Clear/SRAM Clear
	CM01	System Data Memory Partial Clear
	CM0B Y=000	LAN Data Assignment
	CM4A Y=90	Day/Night Mode Change by System Clock, Automatic RC/DND Mode Select by System Clock
	CMEC Y=7	Maintenance by PCPro/CAT
Commands which require a reset of the IPT (P2P CCIS) after data setting. • Executed by CME0 Y=5>01 IPT (P2P CCIS) RESET	CM0B Y=1XX>34, 35	LAN Data Assignment
	CM10 Y=02	Station Number, Trunk Number, Blade Number
	CM30 Y=00	Trunk Data
	CMA7 Y=44, 46, 50	CCIS Channel/IP Trunk/SIP Trunk Data 1

NOTE: *Before the CPU blade is placed into Off-Line mode, the system data backup must be executed by CMEC Y=6>0: 0.*

METHOD OF SETTING ON-LINE/OFF-LINE MODE

FOR CPU BLADE

- Setting Off-line mode
  (1) Set SENSE switch on the CPU blade to “E” or “F”.
  (2) Press RESET switch on the CPU blade.

- Setting On-line mode
  (1) Set SENSE switch on the CPU blade to “0-4”.
  CPU will reset automatically after SENSE switch is set to “0-4”.

The conditions under off-line mode are as follows.

(1) All stations are not available when this setting is made (only the station call via PFT connection is available).
(2) All trunks are not available when this setting is made.
(3) PCPro can be connected by either IP connection or RS-232 connection.
(4) IP connection is available only for PCPro (IP connection is not available for SMDR and OAI).
(5) RUN LED under on-line mode is a repeat of Lights (950 ms.) → OFF (64 ms.).

NOTE: *The data setting is as follows.*

- *When the SENSE switch is set to E (default setting):*

RS-232C CONNECTION (RS1/RS2 port)	IP CONNECTION (ETHERNET/VOIP port)
Data speed: 9600 bps Data length: 8 bits Parity: None Stop bit length: 2 bits	• Maintenance port Data speed: Auto Negotiation IP address: Unit01-50: 192.168.1.1 Subnet Mask: 255.255.255.0 Default Gateway: None PCPro connection port: 60000 • VOIP port Data speed: Auto Negotiation IP address: None Subnet Mask: None Default Gateway: None PCPro connection port: 60000

- *When the SENSE switch is set to F:*

RS-233 CONNECTION (RS1/RS2 port)	IP CONNECTION (ETHERNET/VOIP port)
As per CM40 Y=08	Ineffective

For details, refer to the System Hardware Manual.

METHOD OF SYSTEM DATA/SRAM DATA ALL CLEAR

When starting up the system firstly, adding on a unit, replacing the CPU, or all the system data and SRAM data must be cleared.

STEP1: Make the system off-line mode.

STEP2: Clear all the system data by CM00>1: CCC.

STEP3: Clear all the SRAM data by CM00>02: CCC.

STEP4: Backup the system data by CMEC Y=6>0: 0.

PASSWORD ENTRY

In a system with password service, a maintenance person is required to enter an authorization level number (Password Level) and appropriate password prior to engaging in programming the system data with the PCPro/CAT. A maximum of eight (8) Password Levels can be set up. The number of commands that the maintenance person can access is determined by the Password Level.
Password and accessible commands for each Password Level is determined by system data.
The procedure for programming, with password, is shown below.

STEP1: Connect the PCPro to the system, and turn the power switch on.
For the CAT, change the mode to CAT.

STEP2: Enter the password (assigned by CME9>0-7) by CM03.
Operation:

[ST] + 03 + [DE] + Password Level No. + [DE] + Password + [EXE]

– "OK" will be displayed, if accepted.
In case of "DATA ERROR", the password is incorrect.

STEP3: Start programming.

STEP4: When programming is completed, set the following data by CM03.
Operation:

[ST] + 03 + [DE] + 9 + [DE] + CCCCCCCC + [EXE]
(CCCCCCCC: 8 digits)

– Programming without password is restricted.

NOTE: *For the details of data assignment for password service, see CME7 and CME9 on Chapter 3 Command Description.*

Table below shows the example for the Password Level Table.

Example of Password Level Assignment

MAINTENANCE PERSONNEL	PASSWORD LEVEL	ACCESIBLE COMMANDS
A	Level 7	All commands
B	Level 4	CM05, 08, 0B-13, 15, 30, 35, 36
C	Level 3	CM08, 0B-13, 15, 30, 35
D	Level 2	CM10, 11, 30, 35
E	Level 1	CM10, 11
F	Level 0	CM10

NOTE: *All Levels can access CM03.*

NATION CODE ASSIGNMENT

With the Nation Code assigned, the system offers the particular services to the users of each country. For Australia or New Zealand, appropriate nation code to the user should be assigned by CM31 Y=0 as shown below.

- Users in Australia

  [ST] + 310 + [DE] + 0 + [DE] + 01 + [EXE]

- Users in New Zealand

  [ST] + 310 + [DE] + 0 + [DE] + 15 + [EXE]

NOTE 1: *System reset is required after changing the command data.*

NOTE 2: *Default of CM31 Y=0>0 depends on each nation code of the CPU program as follows:*

For Australia/NZ	*: 01◀*
For North America	*: 03◀*
For Asia/Africa/Europe/Latin America/Middle East/Russia	*: 04◀*

NOTE 3: *In case of EMEA, the default of CM31 Y=0>0 is same as North America (nation code 03). Therefore, you must set the nation code to 05 by this command.*

SYSTEM DATA BACKUP

CAUTION

- **If you operate as follows without system data backup after system data setting or service memory setting (registration of the features such as "Call Forwarding" and "Speed Dialing" from a station), the data that has been set is invalid.**
  You must execute the system data backup before the following operations.
  -Turning Off the system
  -System Reset (reset of CPU blade)
  -Changing the CPU blade to Off-Line Mode
  -Changing the CPU blade to On-Line Mode after system data setting under Off-Line Mode
  In addition, the VRS data backup is also required when any data is recorded or changed in the VRS.
- **You can execute the system data backup by the following two ways.**
  -Executing the system data backup once a day at the time set by CM43 Y=5>00
  (If no data is set, the default setting is 3:00 a.m.)
  As the system data backup is performed, the VRS data backup is also performed at the same time.
  -Executing the system data backup from PCPro/CAT by CMEC Y=6>0: 0
- **Do not reset the CPU blade while "SYSD" LED on the CPU blade is flashing.**

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COMMAND DESCRIPTION

Chapter

3

This chapter explains the function, precaution, assignment procedure and data table of each command.
Explanations are given in numerical and alphabetical order of the command code.

HOW TO READ THIS CHAPTER

Information about each command is presented in the following order:

(1) FUNCTION: The function of the command.

(2) PRECAUTION: Precautions related to assigning data.

(3) ASSIGNMENT PROCEDURE: The procedure for assigning data in CAT mode.

(4) DATA TABLE: Detailed descriptions of the data.

In the description of each command, the following symbols are used.

◀ : Default which is automatically loaded into the memory, after system reset by setting position "A" on SENSE switch of the CPU, followed by a reset.

(RESET) : Commands which require a reset of the CPU blade after data setting.

(OFF LINE) : Commands which can be used only under Off-Line mode of the CPU blade.
To set Off-Line mode,
(1) Set SENSE switch on the CPU blade to "E" or "F".
(2) Press RESET switch on the CPU blade.

(BLADE RESET) : Commands which require a reset of the blade by CME0 Y=3 after data setting.

(IPT (P2P CCIS) RESET) : Commands which require a reset of the IPT (P2P CCIS) by CME0 Y=5>01 after data setting.

You should confirm the meaning of default, and change or delete the data, if required.

COMMAND CODE	TITLE: SYSTEM DATA MEMORY ALL CLEAR/SRAM CLEAR
00	OFF LINE

FUNCTION:

This command is used to confirm that system data memory (RAM) area billing memory area (SRAM) can be written-in/read-out, and to assign the default to the RAM area or SRAM area.

PRECAUTION:

(1) This command can only be used in off-line mode.

(2) When this command is executed, "OK" is displayed with memory clear completed (about 10 seconds later).

(3) If an error exists in memory, "WD ERROR" is displayed.

(4) This command is not available with a CAT.
To clear all system data, set SENSE switch on the CPU blade accommodated in Unit01 to "A", and depress RESET switch on the CPU blade accommodate in Unit01. In this case, the only functional port is Physical Port No. 010101 or Virtual Port No. 0000, which is assigned as a CAT.

(5) The SRAM area data which is cleared by CM00>02,10,11 is as follows.

×:Cleared data

SRAM AREA DATA	1ST DATA			RELATED COMMAND
	02	10	11	
Fault Information	×	–	–	
OAI FLF Memory	×	–	–	
Billing Memory	×	×	–	
SMDR Record	×	–	×	CM04 Y=01>12

ASSIGNMENT PROCEDURE:

[ST] + 00 + [DE] + MEMORY AREA DESIGNATION (1/2digit) + [DE] + CCC + [EXE]

COMMAND CODE	TITLE: SYSTEM DATA MEMORY ALL CLEAR/SRAM CLEAR
00	OFF LINE

DATA TABLE:

1ST DATA		2ND DATA	
DATA	**MEANING**	**DATA**	**MEANING**
1	System data memory all clear	CCC	Clear
02	SRAM area all clear	CCC	Clear
	NOTE: *Be careful handling CM00>02. Because all stored data in a SRAM area is cleared when the SRAM area memory clear is executed by this command. Usually, this command is used only when initially starting the system, or accommodating additional Units, or replacing the CPU blade, or SRAM data is corrupted by such as power discontinuity of SV9300 (because the battery backup for SRAM is effective for approximately one week, the SRAM data is corrupted when SV9300 has been powered off for more than one week).*		
10	Billing memory clear (SRAM)	CCC	Clear
	NOTE: *The charging data which are cleared by this command are as follows (there is no charge).* • *Call charge printout/display for individual station* • *Call charge printout/display for each tenant* • *Call charge printout/display for all tenants (for previous month)* • *Call charge printout/display for all tenants (for this month)* • *Call charge printout/display for all stations* • *Call charge printout for all tenants at the set date and time* • *Call charge printout for all stations at the set date and time*		
11	SMDR Record Clear	CCC	Clear

COMMAND CODE	TITLE:
01	SYSTEM DATA MEMORY PARTIAL CLEAR (OFF LINE)

FUNCTION:

This command is used to clear the data for specific features.

PRECAUTION:

This command can only be used in off-line mode.

ASSIGNMENT PROCEDURE:

[ST] + 01 + [DE] + CLEAR DESIGNATION (2/3 digits) + [DE] + CCC + [EXE]

DATA TABLE:

CLEAR DESIGNATION	SYSTEM DATA TO BE CLEARED	REMARKS
08	CM08: Basic Service	
20	CM20: Numbering Plan/Single Digit Feature Access Code CM21: Single Digit Access Code CM22: Route Advance CM23: Tenant Development CM25: Kind of Special Terminal Development CM29: Numbering Plan Tenant Group	
2A	CM2A: ID Code Assignment with CPU/Development Block Number Assignment for Each Calling Party Number	
76	CM76: Digit Conversion on DID Call	
770	CM77: Station Name Assignment	To clear only for the station memory of CM77 Y=0, 1, 4, 5
85	CM85: Maximum Number of Sending Digits	
8A	CM8A: LCR/Toll Restriction Development Table	
8B	CM8B: Toll Restriction pattern number for Call Forwarding-Outside	

COMMAND CODE	TITLE:
02	SETTING OF SYSTEM CLOCK/READING OUT OF DAYLIGHT SAVING TIME

FUNCTION:

This command is used to assign system clock data (year, date and time). And this command is used to read out of the daylight saving time.

PRECAUTION:

The system clock starts when [EXE] is pressed.

ASSIGNMENT PROCEDURE:

(1) Setting of System Clock

[ST] + [02] + [DE] + 1ST DATA (0-2) + [DE] + 2ND DATA (4-6 digits) + [EXE]

(2) Reading out of Daylight Saving Time

[ST] + [02] + [DE] + 1ST DATA (3) + [DE] + 2ND DATA

COMMAND CODE	TITLE:
02	SETTING OF SYSTEM CLOCK/READING OUT OF DAYLIGHT SAVING TIME

DATA TABLE:

◀: Default

1ST DATA		2ND DATA	
DATA	**MEANING**	**DATA**	**MEANING**
0	Setting of Calendar Year	YYYY 2000◀	Calendar Year YYYY: Year (2014-2099) 2000
1	Setting of Date (Month, Date, Day of Week)	MMDDWW 010106◀	Date MM: Month (01-12) DD : Date (01-31) WW: Day of Week (00-06) SUN : 00 THU: 04 MON: 01 FRI : 05 TUE : 02 SAT : 06 WED: 03 January/01 SAT
	NOTE: *Readout data of this data is displayed as "MM/DD WWW" (for example, this data is set to default, readout data is displayed as "01/01 SAT").*		
2	Setting of Time (Hour, Minute, Second) "Hour" information is set in military format (24-hour) **Example**: 2 p.m. is set as "140000".	HHMMSS 000000◀	Time HH : Hour (00-23) MM: Minute (00-59) SS : Second (00-59) 00:00:00
	NOTE: *Readout data of this data is displayed as "HH:MM:SS" (for example, this data is set to default, readout data is displayed as "00:00:00").*		
3	Reading out of Daylight Saving Time of Main Unit	HH:MM:SS NONE◀	Daylight Saving Time HH : Hour (00-23) MM: Minute (00-59) SS : Second (00-59) No data

Continued on next page

COMMAND CODE	TITLE:
02	SETTING OF SYSTEM CLOCK/READING OUT OF DAYLIGHT SAVING TIME

◀: Default

1ST DATA		2ND DATA	
DATA	MEANING	DATA	MEANING
4	Time difference between the System Clock and UTC	XXXXX NONE◀ CCC	Time Zone (See the table below) No Time Zone Time Zone data clear

2nd Data	Time difference between the System Clock and UTC
A2345	System Clock +23:45
A2330	System Clock +23:30
A2315	System Clock +23:15
A2300	System Clock +23:00
≀	≀
A0100	System Clock +01:00
A0045	System Clock +00:45
A0030	System Clock +00:30
A0015	System Clock +00:15
NONE◀	No Time Zone (No time difference)
B0015	System Clock -00:15
B0030	System Clock -00:30
B0045	System Clock -00:45
B0100	System Clock -01:00
≀	≀
B2300	System Clock -23:00
B2315	System Clock -23:15
B2330	System Clock -23:30
B2345	System Clock -23:45
CCC	Time Zone data clear

↑ +15 minutes increments

↓ -15 minutes increments

NOTE: *Influence of Daylight Saving time is not considered for this data setting.*

COMMAND CODE	TITLE:
03	LOG IN/LOG OUT OF PASSWORD MODE

FUNCTION:

This command is used to enter a password which allows the authorized personnel to access commands in accordance with preassigned authorization levels.

PRECAUTION:

(1) The password for each level is set by CME9.
The accessible commands for each level is set by CME7.

(2) "OK" is displayed when the log in is successful.

(3) For security purpose, when a password is entered, "*" is displayed.

(4) The password mode is automatically logged out unless a command is entered within 10 minutes after logging in.

ASSIGNMENT PROCEDURE:

To log in the password mode and enter the password

[ST] + 03 + [DE] + PASSWORD LEVEL (0-7) + [DE] + PASSWORD (Maximum 8 digits) + [EXE]

To log off the password mode

[ST] + 03 + [DE] + 9 + [DE] + CCCCCCCC + [EXE]

COMMAND CODE	TITLE:
04	SETTING OF SYSTEM SERVICES

FUNCTION:

This command is used to assign the setting of System Services, the setting of Language Indicated Number, the 32-Party Conference with Password Protection, the Service Activation Dial for mobile phone in Mobility Access, the A-law/μ-law setting for each Unit, the SMDR data output and the System Information for Maintenance Report of PCPro.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + 04YY + [DE] + 1ST DATA (1/2 digits) + [DE] + 2ND DATA (1-64 digits) + [EXE]

COMMAND CODE	TITLE:
04	SETTING OF SYSTEM SERVICES

DATA TABLE:

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
00	Setting of System Services (a)	00	Display language for Multiline Terminal/DESK-CON LCD (System Base)	00	Japanese	
				01	English	
				02	French (Canadian French)	
				03	Spanish (Latin Spanish)	
				04	Portuguese (Brazilian Portuguese)	
				05	German	
				06	Italian	
				07	Netherlandish	
				08	French (Europe)	
				09	Spanish (Europe)	
				10	Portuguese (Europe)	
				11	Swedish	
				12	Danish	
				13	Catalan	
				15	Russian	
				16	Turkish	
				17	Simplified Chinese	
				18	Traditional Chinese	
				31◀	English	
		NOTE 1: *After changing this data, the assigned data is reflected to each Multiline Terminal by resetting the terminal (i.e. unplug the modular connector of the terminal and then plug it again, or eject the DLC Card and then insert it again) or executing CM12 Y=29.*				
		NOTE 2: *When this data is set to 15-18 for the terminal which cannot display Russian/Turkish/Chinese characters on the LCD, the terminal displays English characters on the LCD (same as the second data "01").*				

Continued on next page

COMMAND CODE	TITLE:
04	SETTING OF SYSTEM SERVICES

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
00	Setting of System Services (a)	02	Default key setting for Multiline Terminal (System Base) ☞ See Fixed pattern and Programmable pattern	00 01 02 03 NONE◀	Default setting is not provided Fixed pattern 2 Fixed pattern 3 Programmable pattern 1 (As per CM90 Y=10) Fixed pattern 1	CM10
		NOTE: *When this data is set to "0", Fixed keys (Key No. 90-98) are set the same as Fixed pattern 1-3 automatically.*				

Continued on next page

COMMAND CODE	TITLE:
04	SETTING OF SYSTEM SERVICES

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
00	Setting of System Services (a)	03	Kind of Tone for TDM (System-basis)	01	Japan	CM67 Y=13
				02	North America	
				03	Australia	
				04	A-law countries	
				05	Hong Kong	
				06	Malaysia	
				07	Singapore	
				08	UK	
				09	Mexico	
				10	Taiwan	
				11	New Zealand	
				12	Korea	
				13	China	
				14	Thailand	
				15	Brazil	
				16	Netherlands (For EMEA)	
				17	Germany (For EMEA)	
				18	Italy (For EMEA)	
				19	Austria (For EMEA)	
				20	Belgium (For EMEA)	
				21	Spain (For EMEA)	
				22	Sweden (For EMEA)	
				23	UK (For EMEA)	
				24	Denmark (For EMEA)	
				25	Greece (For EMEA)	
				26	Switzerland (For EMEA)	
				27	South Africa (For EMEA)	
				28	Russia	
				NONE◀	As per CM31 Y=0>0	

Continued on next page

COMMAND CODE	TITLE:
04	SETTING OF SYSTEM SERVICES

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
00	Setting of System Services (a)	05	Single Line Telephone ringing signal for Station-to-Station connection	01 02 03 04 05 06 07 08 09 10 11 12 13 31◀	ON 2 seconds ON-4 seconds OFF 1 second ON-2 seconds OFF 0.5 seconds ON-0.5 seconds OFF 0.25 seconds ON-0.25 seconds OFF 0.5 seconds ON-0.5 seconds OFF-0.5 seconds ON-1.5 seconds OFF 0.25 seconds ON-0.25 seconds OFF-0.25 seconds ON-5.25 seconds OFF 0.375 seconds ON-0.25 seconds OFF-0.375 seconds ON-2 seconds OFF 0.25 seconds ON-0.125 seconds OFF-0.25 seconds ON-0.125 seconds OFF-0.25 seconds ON-2 seconds OFF 1 second ON-4 seconds OFF 0.25 seconds ON-0.25 seconds OFF-0.25 seconds ON-4.25 seconds OFF 1 second ON-3 seconds OFF 0.25 seconds ON-0.25 seconds OFF-0.25 seconds ON-2.25 seconds OFF 1 second ON-2 seconds OFF	CM08>138 CM35 Y=033

Continued on next page

COMMAND CODE	TITLE:
04	SETTING OF SYSTEM SERVICES

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
00	Setting of System Services (a)	06	Single Line Telephone ringing signal from a trunk	01 02 03 04 05 06 07 08 09 10 11 12 13 31◀	ON 2 seconds ON-4 seconds OFF 1 second ON-2 seconds OFF 0.5 seconds ON-0.5 seconds OFF 0.25 seconds ON-0.25 seconds OFF 0.5 seconds ON-0.5 seconds OFF-0.5 seconds ON-1.5 seconds OFF 0.25 seconds ON-0.25 seconds OFF-0.25 seconds ON-5.25 seconds OFF 0.375 seconds ON-0.25 seconds OFF-0.375 seconds ON-2 seconds OFF 0.25 seconds ON-0.125 seconds OFF-0.25 seconds ON-0.125 seconds OFF-0.25 seconds ON-2 seconds OFF 1 second ON-4 seconds OFF 0.25 seconds ON-0.25 seconds OFF-0.25 seconds ON-4.25 seconds OFF 1 second ON-3 seconds OFF 0.25 seconds ON-0.25 seconds OFF-0.25 seconds ON-2.25 seconds OFF 2 seconds ON-4 seconds OFF	CM08>138 CM35 Y=033

Continued on next page

COMMAND CODE	TITLE:
04	SETTING OF SYSTEM SERVICES

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
00	Setting of System Services (a)	07	Special ringing signal for Single Line Telephone ring	01 02 03 04 05 06 07 08 09 10 11 12 13 31◀	ON 2 seconds ON-4 seconds OFF 1 second ON-2 seconds OFF 0.5 seconds ON-0.5 seconds OFF 0.25 seconds ON-0.25 seconds OFF 0.5 seconds ON-0.5 seconds OFF-0.5 seconds ON-1.5 seconds OFF 0.25 seconds ON-0.25 seconds OFF-0.25 seconds ON-5.25 seconds OFF 0.375 seconds ON-0.25 seconds OFF-0.375 seconds ON-2 seconds OFF 0.25 seconds ON-0.125 seconds OFF-0.25 seconds ON-0.125 seconds OFF-0.25 seconds ON-2 seconds OFF 1 second ON-4 seconds OFF 0.25 seconds ON-0.25 seconds OFF-0.25 seconds ON-4.25 seconds OFF 1 second ON-3 seconds OFF 0.25 seconds ON-0.25 seconds OFF-0.25 seconds ON-2.25 seconds OFF 0.375 seconds ON-0.25 seconds OFF-0.375 seconds ON-2 seconds OFF	CM08>179 CM35 Y=033

Continued on next page

COMMAND CODE	TITLE:
04	SETTING OF SYSTEM SERVICES

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
00	Setting of System Services (a)	08	Selection of SLT ringing frequency	0 2 3◀	25 Hz 16 Hz 20 Hz	
		09	Ringing signal for FAX	01 02 03 04 05 06 07 08 09 10 11 12 13 31◀	ON 2 seconds ON-4 seconds OFF 1 second ON-2 seconds OFF 0.5 seconds ON-0.5 seconds OFF 0.25 seconds ON-0.25 seconds OFF 0.5 seconds ON-0.5 seconds OFF-0.5 seconds ON-1.5 seconds OFF 0.25 seconds ON-0.25 seconds OFF-0.25 seconds ON-5.25 seconds OFF 0.375 seconds ON-0.25 seconds OFF-0.375 seconds ON-2 seconds OFF 0.25 seconds ON-0.125 seconds OFF-0.25 seconds ON-0.125 seconds OFF-0.25 seconds ON-2 seconds OFF 1 second ON-4 seconds OFF 0.25 seconds ON-0.25 seconds OFF-0.25 seconds ON-4.25 seconds OFF 1 second ON-3 seconds OFF 0.25 seconds ON-0.25 seconds OFF-0.25 seconds ON-2.25 seconds OFF As per CM04 Y=00>05	CM04 Y=00>05

Continued on next page

COMMAND CODE	TITLE:
04	SETTING OF SYSTEM SERVICES

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
01	Setting of System Services (b)	01	MCI	0 2 7◀	RS Port LAN Port **[9300V5]** Not available	
		02	Purpose of Caller ID sender **[North America/Asia/ EMEA]**	7◀	Caller ID-Station	CM08>507 CM10/ CM50 Y=00>8
		03	Handling of CPU call information	2 7◀	Available Not available	CM04 Y=01>06
		NOTE: *This command is not effective for the SMDR.*				
		06	Destination to send a call information which received from Local Office	0 1 3◀	SMDR terminal via LAN port RS port (To output to RS1/RS2 port set by CM40 Y=00) Not output	CM04 Y=01>03 CM40 Y=00
		07	SMDR Message Format on RS-232C and Local Office for Centralized Billing-CCIS	00 01 02 15◀	Extended NEAX 2400 IMS Format Extended NEAX 2400 IMS Format (with Trunk seizure timer) Extended NEAX 2400 IMS Format (with Trunk seizure timer and Call Station timer) Former NEAX 2400 IMS Format	
		NOTE 1: *Select the second data according to the SMDR output application.* **NOTE 2:** *To output Call Station time, set the second data to 02.*				

Continued on next page

COMMAND CODE	TITLE:
04	SETTING OF SYSTEM SERVICES

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
01	Setting of System Services (b)	08	SMDR Message Format on IP	00 01 02 15◀	Extended NEAX 2400 IMS Format Extended NEAX 2400 IMS Format (with Trunk seizure timer) Extended NEAX 2400 IMS Format (with Trunk seizure timer and Call Station timer) Former NEAX 2400 IMS Format	
		NOTE 1: *Select the second data according to the SMDR output application.* **NOTE 2:** *To output Call Station time, set the second data to 02.*				
		10	Control method for Hotel Feature	0 1 3◀	PMS, PMS with Hotel/Motel Front Desk Instrument/DSS Console Hotel/Motel Front Desk Instrument, DSS Console, Printer No data	
		NOTE: *Set this data to "0" for PMS and Hotel/Motel Front Desk Instrument/DSS console synchronization.*				
		11	Partition of Conference (built-in on CPU)	0 2 3◀	Four 8-party conference groups (8+8+8+8) Two 16-party conference groups (16+16) One 32-party conference group (32)	

Continued on next page

COMMAND CODE	TITLE:
04	SETTING OF SYSTEM SERVICES

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
01	Setting of System Services (b)	12	Maximum number of calls to be stored with each SMDR billing data	0 1 3◀	Maximum 27000 calls Maximum 12000 calls Maximum 12000 calls	CM04 Y=60-65
		NOTE: *When changing the number of storing records, be sure to execute the SRAM memory clear by CM00>02 or CM00>11 to clear the SMDR billing data storage area.*				
		13	SMDR Message Format on Built-in modem	00 15◀	Extended NEAX 2400 IMS Format Former NEAX 2400 IMS Format	
		NOTE: *Select the second data according to the SMDR output application.*				
		14	Select of PMS Interface	0 3◀	RS-232C TCP/IP	
		17	Maximum number of DSP resource used by Mobility Access	01 ~ 32 NONE◀	Maximum number of DSP resource 24	
		NOTE 1: *Assign the maximum number of DSP resource for Mobility Access sufficiently. DSP resource is shared with originating/terminating/Call Forwarding-All calls in Mobility Access and originating/terminating incoming and outgoing calls.* **NOTE 2:** *When DSP resource is occupied, Mobility Access and originating/ terminating incoming and outgoing calls are restricted.* **NOTE 3:** *When SIP trunk is used, DSP resource for Mobility Access is not used for a detection of Disabling service activation dial/ Hooking dial.*				

Continued on next page

COMMAND CODE	TITLE:
04	SETTING OF SYSTEM SERVICES

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
01	Setting of System Services (b)	18	Trunk Restriction Class by System Speed Dialing	1 2 3 4 5 6 7 8 NONE◀	Unrestricted (RCA) Non-Restricted 1 (RCB) Non-Restricted 2 (RCC) Semi-Restricted 1 (RCD) Semi-Restricted 2 (RCE) Restricted 1 (RCF) Restricted 2 (RCG) Fully-Restricted (RCH) As per Trunk Restriction Class for Station (CM12 Y=01)	CM12 Y=01 CM15 Y=232
		NOTE 1: *This data is common to Day Mode, Night Mode, A Mode and B Mode.* **NOTE 2:** *Assign a class in which C.O. line calls to own office are allowed.* ** This data is also used for C.O. line calls to other offices via CCIS.*				
		19	Snooze setting number in answering a Wake Up call **[9300V3]**	0 ~ 9 NONE◀	Dial 0 ~ Dial 9 No data	
		NOTE: *Be sure to assign this command when using the Snooze feature.*				
02	Combination of language indicated number and speech synthesis language	1 ~ 9	Language indicated number	01 02 06 08 CCC NONE◀	Japanese announcement English announcement Chinese announcement Korean announcement Clear English announcement	

Continued on next page

COMMAND CODE	TITLE:
04	SETTING OF SYSTEM SERVICES

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
03	Combination of language indicated number and Multiline Terminal information Printout/ Display language Printout	1 ~ 9	Language indicated number	01 02 06 08 CCC NONE◀	JPN (Japanese) ENG (English) CHI (Chinese) KOR (Korean) Clear See **NOTE**	CM08>895
	NOTE: *When the second data is set to "NONE", the following language information (fixed sentence) is displayed or printed out according to the Language Indicated number entered by the Hotel Console or sent from the Property Management System (PMS).* *Language Indicated number 1: JPN* — *Language Indicated number 5 : SP* *Language Indicated number 2: ENG* — *Language Indicated number 6 : CHI* *Language Indicated number 3: GER* — *Language Indicated number 7 : RUS* *Language Indicated number 4: FR* — *Language Indicated number 8 : KOR* ** For language information other than listed above, Display/Printout is not provided.*					
04	32-Party conference with password protection	00 ~ 15	Conference group number	0 NONE◀	With password protection Without password protection	CM13 Y=73
	NOTE: *The conference group assigned this data to "0" cannot be used for Group Call Conference/Meet-Me Conference without password protection.*					
05	Service activation dial for mobile phone in Mobility Access mode	0	Disabling service activation dial	X ~ XX NONE◀	Activation dial X: 0-9, A (*), B (#) No data	
		1	Hooking dial			
	NOTE: *When the disabling service activation (1st data=0) is dialed, it is not possible to make the service activation effective during the call.*					
10 ~ 59	Unit01-50	00	A-law/μ-law for the Unit	0 1 2 3◀	A-law μ-law Not used Depends on the CPU	
		NOTE: *For an A-law/μ-law setting, set the same value for every Unit in the system.*				

Continued on next page

COMMAND CODE	TITLE:
04	SETTING OF SYSTEM SERVICES

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
10 ≀ 59	Unit01-50	01	Destination to receive the synchronous signal for DTI/PRT/CCT (First priority) BLADE RESET	01 ≀ 18 NONE◀	Slot No. No data	
		NOTE 1: *This data is assigned for the clock synchronization of SV9300 for the opposite office of ISDN network/CCIS/Digital Tie Line. Do not assign this data for ISDN terminals.* **NOTE 2:** *The second data must be assigned the Slot number to which each interface blade (PRT/BRT/CCT/DTI) is accommodated (the first data 01 [first priority] is mandatory. Do not assign the first data 02 [second priority] only).* **NOTE 3:** *The connection to a SIP conversion adapter with BRT/PRT blade depends on whether the adapter can supply the clock or not. Do not assign this data for the BRT/PRT blade when the clock cannot be supplied.*					
		02	Destination to receive the synchronous signal for DTI/PRT/CCT (Second priority) BLADE RESET	01 ≀ 18 NONE◀	Slot No. No data	
		NOTE 1: *This data is assigned for the clock synchronization of SV9300 for the opposite office of ISDN network/CCIS/Digital Tie Line. Do not assign this data for ISDN terminals.* **NOTE 2:** *The second data must be assigned the Slot number to which each interface blade (PRT/BRT/CCT/DTI) is accommodated (the first data 01 [first priority] is mandatory. Do not assign the first data 02 [second priority] only).* **NOTE 3:** *The connection to a SIP conversion adapter with BRT/PRT blade depends on whether the adapter can supply the clock or not. Do not assign this data for the BRT/PRT blade when the clock cannot be supplied.*					

Continued on next page

COMMAND CODE	TITLE:
04	SETTING OF SYSTEM SERVICES

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
10 ~ 59	Unit01-50	05	Maximum number of channels for Speech synthesis and Voice Response System	00 ~ 08 NONE◀	Number of channels for Speech synthesis 8 channels	
		NOTE 1: *Only Unit01 (Y=10) can be set by this data.* **NOTE 2:** *The number of channels for Voice Response System (default: 8 channels) is the difference calculated by subtracting the number of channels for Speech synthesis from the number of simultaneously usable channels (16 channels).*				
		06	The simultaneous usable number to connect External Hold Tone via VoIPDB	1 ~ 128 NONE◀	The simultaneous usable number 1-128 128	
		NOTE 1: *When using one External Hold Tone source for a number of stations/trunks, VoIPDB channels of the Unit which accommodates External Hold Tone source may be occupied for sending the source, set this data if necessary.* **NOTE 2:** *When the simultaneous usable number exceeded the setting value, Hold Tone Source is sent.* **NOTE 3:** *The actual simultaneous usable number depends on the number of VoIPDB channels.*				
60	Destination of SMDR terminal (RS Port 1/2) to send call information (SRAM) **NOTE**	00 01 02 03 04 05 06 07	Station to station call Outgoing trunk call Abandoned outgoing trunk call Incoming trunk call Abandoned incoming trunk call Abandoned incoming trunk call during station is busy Tandem call Abandoned Station to Station call	0 1◀	Available Not available	CM08>1708 CM15 Y=123

Continued on next page

COMMAND CODE	TITLE:
04	SETTING OF SYSTEM SERVICES

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
60	Destination of SMDR terminal (RS Port 1/2) to send call information (SRAM) NOTE	99	Clear the destination of SMDR terminal (RS Port 1/2) to send a call information (SRAM)	CCC	Clear	
61	Destination of SMDR terminal (LAN) to send a call information (SRAM) NOTE	00 01 02 03 04 05 06 07	Station to station call Outgoing trunk call Abandoned outgoing trunk call Incoming trunk call Abandoned incoming trunk call Abandoned incoming trunk call during station is busy Tandem call Abandoned Station to Station call	0 1◀	Available Not available	CM08>1708 CM15 Y=123
		99	Clear the destination of SMDR terminal (LAN) to send a call information (SRAM)	CCC	Clear	
62	Destination of PMS to send a call information (SRAM) NOTE	01	Outgoing trunk call	0 1◀	Available Not available	
		99	Clear the destination of PMS to send a call information (SRAM)	CCC	Clear	

Continued on next page

COMMAND CODE	TITLE:
04	SETTING OF SYSTEM SERVICES

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
65	Destination send to a center office for Centralized Billing-CCIS (SRAM) NOTE	00 01 02 03 04 05 06 07	Station to station call Outgoing trunk call Abandoned outgoing trunk call Incoming trunk call Abandoned incoming trunk call Abandoned incoming trunk call during station is busy Tandem call Abandoned Station to Station call	0 1◀	Available Not available	CM08>1708 CM15 Y=123
		99	Clear the destination send to a center office for Centralized Billing-CCIS (SRAM)	CCC	Clear	

NOTE: *Among output destinations of CM04 Y=60, 61, 62 and 65, even if one of the second data in those commands is assigned to 0 (Available), the billing information is stored in a SRAM memory. The SRAM memory, because of the share used for the all output destinations, also affects for the other output destinations even when outputting the information to be used only for the specific application such as incoming trunk call, Abandoned incoming trunk call, Station-to-Station call and Abandoned Station-to-Station call for one destination. When more than one SMDR output is carried out, it is necessary to consider the interval of information collection so that overflow may not occur (as is the case with trunk origination/ termination, abandoned calls).*

Continued on next page

COMMAND CODE	TITLE:
04	SETTING OF SYSTEM SERVICES

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
70	System Information for Maintenance Report of PCPro	00 01 02 03 04 05 06 07 08 10 11 12 16 17 18 19	System Name Customer Info. (Company Name) Customer Info. (Dept. Name 1) Customer Info. (Dept. Name 2) Dealer Info. (Company Name) Dealer Info. (Address 1) Dealer Info. (Address 2) Dealer Info. (TEL) Dealer Info. (FAX) Service Start Date Schedule date of replacing UPS battery Schedule date of replacing fan Maintenance item 1 Maintenance item 2 Maintenance item 3 Maintenance item 4	XX..XX NONE◀	Character (Maximum 64 digits: 32 characters) No data	
90	Location information [9300V4]	0000 ~ 1999	LIN Index 0000 ~ LIN Index 1999 LIN: Location Identification Number	XXXXX XXXXX ~ X.....X NONE◀	Location Identification Number (10-25 digits) No data	CM12 Y=100 CMA8 Y=2

Continued on next page

COMMAND CODE	TITLE:
04	SETTING OF SYSTEM SERVICES

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
91	Location ID (Dispatchable Location) **[9300V8]** **[North America Only]**	0000 ~ 1999	LIN Index 0000 ~ LIN Index 1999	X ~ X.....X NONE◀	Location ID for Dispatchable Location (1-24 digits) X: A-Z, a-z, 0-9 No data	CM04 Y=95 CM0B Y=1XX>180 CM12 Y=100 CMA8 Y=2
	NOTE: *This data is available from 9300V8 (V8.3.0) software or later.*					
92	Additional location information **[9300V8]** **[North America Only]**	0000 ~ 1999	LIN Index 0000 ~ LIN Index 1999	X ~ X.....X NONE◀	Additional location information (Dispatchable Location) (1-24 characters) X: A-Z, a-z, 0-9 No data	CM04 Y=96 CM12 Y=106 CM0B Y=1XX>181
	NOTE 1: *This data is available from 9300V8 (V8.3.0) software or later.* **NOTE 2:** *The following characters can be used for a password; Alphabet upper case (A-Z), alphabet lower case (a-z), numeric (0-9), symbol (! " # $ % & ' ( ) * + , : ; < = > ? @ [ ] ^ _ ' { | } ~), Space, hyphen (-), period (.), slash (/), backslash (\)*						
95	Location information for MAC Address **[9300V8]** **[North America Only]**	0000 ~ 1999	MAC Address Memory Block Number 0000 ~ MAC Address Memory Block Number 1999	X....XXX (12 digits)	MAC address	CM04 Y=90, 91 CM12 Y=106 CM0B Y=1XX>181
	NOTE 1: *This data is available from 9300V8 (V8.3.0) software or later.* **NOTE 2:** *This command is effective only for IP Multiline Terminals. If "FFFFFFFFFFFF" is assigned to the second data, it will be considered as "No Data".*					
96	LIN Index for MAC Address block **[9300V8]** **[North America Only]**	0000 ~ 1999	MAC Address Memory Block Number 0000 ~ MAC Address Memory Block Number 1999	0000 ~ 1999 NONE◀	LIN Index 0000 ~ LIN Index 1999 No data	CM04 Y=92 CM12 Y=106 CM0B Y=1XX>181
	NOTE: *This data is available from 9300V8 (V8.3.0) software or later.*					

Continued on next page

COMMAND CODE	TITLE:
04	SETTING OF SYSTEM SERVICES

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
97	Additional location information Index for MAC Address block **[9300V8]** **[North America Only]**	0000 ~ 1999	MAC Address Memory Block Number 0000 ~ MAC Address Memory Block Number 1999	0000 ~ 1999 NONE◀	Additional location information Index 0000 ~ Additional location information Index 1999 No data	CM04 Y=95
	NOTE 1: *This data is available from 9300V8 (V8.3.0) software or later.* **NOTE 2:** *This data is effective only for IP Multiline Terminals. Also, the first data should be assigned the same memory block as the LIN Index assigned by CM04 Y=96.*					
100	Location information for DAP-ID **[9300V9]** **[North America Only]**	000 ~ 999	DAP-ID (ID of IP DECT Access Point) 000 ~ DAP-ID (ID of IP DECT Access Point) 999	0000 ~ 1999 2000 NONE◀	LIN Index 0000 ~ LIN Index 1999 Unknown No data	CM04 Y=101
	NOTE: *This data is available from 9300V9 (V9.2.0) software or later.*					
101	Additional location information for DAP-ID **[9300V9]** **[North America Only]**	000 ~ 999	DAP-ID (ID of IP DECT Access Point) 000 ~ DAP-ID (ID of IP DECT Access Point) 999	0000 ~ 1999 NONE◀	LIN Index 0000 ~ LIN Index 1999 No data	CM04 Y=100
	NOTE: *This data is available from 9300V9 (V9.2.0) software or later.*					

COMMAND CODE	TITLE:
04	SETTING OF SYSTEM SERVICES

■ Fixed pattern and Programmable pattern

CM04 Y=00>02 is the command which sets the system data such as CM90 and CM93 automatically for Multiline Terminals. Therefore, Multiline Terminals can be used as Multiline Terminal stations only by the setting of CM10.

The fixed pattern and programmable pattern that can be set by CM04 Y=00>02 are as follows.

- **Fixed pattern 1 (CM04 Y=00>02: NONE)**

CM	Y No.	1ST DATA	2ND DATA	REMARKS
90	00	Key No. 00	NONE	No data
90	00	Key No. 01	My Line number	
90	00	Key No. 02-32	NONE	No data
90	00	Key No. 90	F1015	Recall
90	00	Key No. 91	F1011	Feature
90	00	Key No. 92	F1012	Conf
90	00	Key No. 93	F1000	Redial
90	00	Key No. 94	F1016	Speaker
90	00	Key No. 95	F4001	Answer
90	00	Key No. 96	F1004	Transfer
90	00	Key No. 97	F1010	Hold
90	00	Key No. 98	F5015	Directory
90	00	Key No. 99	F0A46	Message
90	01	Key No. 00-32, 90-99	3	Day Mode: Ringing/ Night Mode: Ringing
90	02	Key No. 00-32, 90-99	1	No Delayed Ringing
90	03	Key No. 00-32, 90-99	1	Call Indicator Lamp control is available
90	04	Key No. 00-32, 90-99	1	Group Feature Key is not provided
93	-	My Line number	My Line number	
12	22	My Line number	1	Soft keys are available
12	23	My Line number	3	Pattern number 3

COMMAND CODE	TITLE:
04	SETTING OF SYSTEM SERVICES

- **Fixed pattern 2 (CM04 Y=00>02: 01)**

CM	Y No.	1ST DATA	2ND DATA	REMARKS
12	24	My Line number	0	B Mode
90	00	Key No. 00	NONE	No data
90	00	Key No. 01	My Line number	
90	00	Key No. 02-32	NONE	No data
90	00	Key No. 90	F1015	Recall
90	00	Key No. 91	F1011	Feature
90	00	Key No. 92	F1012	Conf
90	00	Key No. 93	F1000	Redial
90	00	Key No. 94	F1016	Speaker
90	00	Key No. 95	F4001	Answer
90	00	Key No. 96	F1004	Transfer
90	00	Key No. 97	F1010	Hold
90	00	Key No. 98	F5015	Directory
90	00	Key No. 99	F0A46	Message
90	01	Key No. 00-32, 90-99	3	Day Mode: Ringing/ Night Mode: Ringing
90	02	Key No. 00-32, 90-99	1	No Delayed Ringing
90	03	Key No. 00-32, 90-99	1	Call Indicator Lamp control is available
90	04	Key No. 00-32, 90-99	1	Group Feature Key is not provided
93	-	My Line number	My Line number	
12	22	My Line number	1	Soft keys are available
12	23	My Line number	3	Pattern number 3
12	24	My Line number	7	A Mode

COMMAND CODE	TITLE:
04	SETTING OF SYSTEM SERVICES

- **Fixed pattern 3 (CM04 Y=00>02: 02)**

CM	Y No.	1ST DATA	2ND DATA	REMARKS
90	00	Key No. 00-15	NONE	No data
90	00	Key No. 16	My Line number	
90	00	Key No. 17-32	NONE	No data
90	00	Key No. 90	F1015	Recall
90	00	Key No. 91	F1011	Feature
90	00	Key No. 92	F1012	Conf
90	00	Key No. 93	F1000	Redial
90	00	Key No. 94	F1016	Speaker
90	00	Key No. 95	F4001	Answer
90	00	Key No. 96	F1004	Transfer
90	00	Key No. 97	F1010	Hold
90	00	Key No. 98	F5015	Directory
90	00	Key No. 99	F0A46	Message
90	01	Key No. 00-32, 90-99	3	Day Mode: Ringing/ Night Mode: Ringing
90	02	Key No. 00-32, 90-99	1	No Delayed Ringing
90	03	Key No. 00-32, 90-99	1	Call Indicator Lamp control is available
90	04	Key No. 00-32, 90-99	1	Group Feature Key is not provided
93	–	My Line number	My Line number	
12	22	My Line number	1	Soft keys are available
12	23	My Line number	3	Pattern number 3
12	24	My Line number	7	A Mode

COMMAND CODE	TITLE:
04	SETTING OF SYSTEM SERVICES

- **Programmable pattern 1 (CM04 Y=00>02: 03)**

CM	Y No.	1ST DATA	2ND DATA	REMARKS
90	00	Key No. 00-32	Second data of CM90 Y=10>00-32	NOTE
90	00	Key No. 90-99	Second data of CM90 Y=10>90-99	NOTE
90	01	Key No. 00-32, 90-99	1	Day Mode: Ringing/ Night Mode: No ringing
90	02	Key No. 00-32, 90-99	1	No Delayed Ringing
90	03	Key No. 00-32, 90-99	1	Call Indicator Lamp control is available
90	04	Key No. 00-32, 90-99	1	Group Feature Key is not provided
93	-	My Line number	My Line number	
12	22	My Line number	1	Soft keys are available
12	23	My Line number	3	Pattern number 3
12	24	My Line number	0	B Mode

NOTE: *For the key set to "F5099" by CM90 Y=10, My Line number is assigned.*

COMMAND CODE	TITLE:
05	BLADE TYPE, TRUNK BLADE NUMBER, HIGHWAY CHANNEL FOR ISDN DATA COMMUNICATION

FUNCTION:

This command is used to designate the type of blade installed.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + 05Y + [DE] + UNIT NUMBER + SLOT NUMBER (4 digits) / UNIT NUMBER + LINE/TRUNK CHASSIS NUMBER (4 digits) + [DE] + DATA (2-3 digits)

+ [EXE]

DATA TABLE:

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
0	Blade Type (BLADE RESET)	XX ZZ	XX : Unit No. (01-50) ZZ : Slot No. (01-18) ☞ See "About Unit number, Slot number and Circuit number"	10	Digital Line Circuit Blade for Multiline Terminal/DSS Console/ DESKCON (GCD-8DLCA/ 8DLCA-A/16DLCA/ 16DLCA-A)	
				20	Analog Line Circuit Blade for Single Line Telephone (GCD-4LCF/8LCF)	
				21	LLC (OPX) Blade (GCD-4DIOPA)	
				30	C.O. Trunk Blade (GCD-4COTA/4COTB/ 4COTB-A/4COTC/ 4COTC-A)	
				31	OD Trunk Blade (GCD-4ODTA)	

Continued on next page

COMMAND CODE	TITLE:
05	BLADE TYPE, TRUNK BLADE NUMBER, HIGHWAY CHANNEL FOR ISDN DATA COMMUNICATION

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
0	Blade Type (BLADE RESET)	XX ZZ	XX : Unit No. (01-50) ZZ : Slot No. (01-18) ☞ See "About Unit number, Slot number and Circuit number"	32	Direct Inward Dialing Trunk Blade (GCD-4DIOPA)	
				33	LD Trunk Blade (GCD-4DIOPA)	
				40	Basic Rate (2B + D) Interface Trunk Blade (GCD-2BRIA)	
				41	ISDN Primary Rate (23B + D/30B + D) Interface Blade (GCD-PRTA)	
				42	CCIS (1.5 Mbps/2 Mbps) Trunk Blade (GCD-CCTA)	
				43	T1 (1.5 Mbps) Digital Trunk Interface Blade (GCD-PRTA) **NOTE**	
				45	QSIG (GCD-PRTA)	
				47	E1 (2 Mbps) Digital Trunk Interface blade (GCD-PRTA) **NOTE**	

NOTE: *When a PRT blade is used as a DTI blade for the first time, the PRI firmware program needs to be changed to the DTI firmware program by executing the blade firmware program update. For details, refer to the PC Programming Manual.*

Continued on next page

COMMAND CODE	TITLE:
05	BLADE TYPE, TRUNK BLADE NUMBER, HIGHWAY CHANNEL FOR ISDN DATA COMMUNICATION

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
0	Blade Type (BLADE RESET)	XX ZZ	XX : Unit No. (01-50) ZZ : Slot No. (01-18) ☞ See "About Unit number, Slot number and Circuit number"	60	ISDN Line Circuit Blade (GCD-2BRIA)	
				70	In-Skin UMS Blade (GCD-VM00)	CM08>733
				71	Conference Blade (GCD-PVAA)	
				73	Conference Blade (GCD-RGA) **[9300V3]**	
				NONE◀	No data	
1	Trunk Blade number (BLADE RESET)			000 ~ 127 NONE◀	Trunk Blade number 000 ~ Trunk Blade number 127 No data	CMAA
2	Number of Highway channel for ISDN Data Communication (RESET)		XX : Unit No. (01-50) ZZ : Line/Trunk chassis No. (01-03) 01: Slot 01-06 02: Slot 07-12 03: Slot 13-18 ☞ See "About Unit number, Slot number and Circuit number"	01 ~ 16 NONE◀	Number of Highway channel for ISDN Data Communication No data	

NOTE 1: *Setting the Number of Highway channel to 16 is recommended when Highway channel of Line/Trunk chassis remains.*

NOTE 2: *When the second data is NONE (no data), BRT/PRT blade for ISDN data communication must be accommodated to the base slot (Slot No. 01/07/13) of each Line/Trunk chassis. In this case, the available Highway channels for data communication are the only first 16 channels. Be sure to set this data when performing data communication with PRT blade.*

COMMAND CODE	TITLE:
08	BASIC SERVICES

FUNCTION:

This command is used to assign basic features on a system wide basis.

PRECAUTION:

After setting 1st data 335, 391, 420, 592, system reset is required.

ASSIGNMENT PROCEDURE:

ST + 08 + DE + BASIC SERVICE FEATURE (3/4 digits) + DE + DATA (1/2 digit) + EXE

DATA TABLE:

BASIC SERVICE: 011-096

◀: Default

BASIC SERVICE		SETTING DATA	
011	Operator Monitoring **[Australia Only]**	0 1◀	Not available Available
012	Attendant Override/Busy Verification	0 1◀	Not available Available
014	Attendant Loop Release	0 1◀	Available Not available
018	Attendant Night Transfer	0 1◀	Not available Available See CM51 Y=13
026	Group Diversion	0 1◀	Available See CM16 Y=2 CM19 Y=6 Not available
028	C.O. to C.O. transfer by station or attendant **NOTE:** *This data is effective for C.O. trunks (Ground Start/ Loop Start) which receive a release signal from the C.O.*	0 1◀	To allow Not allowed
029	When tandem call duration passes a predetermined time, the call is disconnected or continued (Related Command: CM35 Y=119, CM41 Y=0>54)	0 1◀	To disconnect To continue

Continued on next page

COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
032	When a dial-in incoming call from a tie line or DID line is addressed to vacant levels or unassigned stations, the call is routed to a predetermined station, Attendant Console or Voice Response System	0 1◀	Restricted (ROT connection) Predetermined station, DESKCON or Voice Response System assigned by CM51 Y=06, 07
034	Receiving Tone when the destination goes on-hook while a line is connecting to a destination. **[For EMEA]** **NOTE:** *In Germany, you have to set setting data to 0.*	0 1◀	BT ROT
035	Toll Restriction for an outgoing call by Station Speed Dialing	0 1◀	Not provided Provided
036	Buzzer indication when a call remains held at Attendant Console over a preprogrammed period of time assigned by CM41 Y=0>00 Buzzer indication for Automatic Recall	0 1◀	Not available Available
037	Select the detection method of incoming Ground Start trunks Ring signal **NOTE:** *This is useful when AC induction is present on Ground Start trunks.*	0 1◀	Detect only, Ring cycle only Detect Ring cycle and Ground Lead
040	SMDR output for Tandem call	0 1◀	Not available Available
043	System Speed Dialing Security. Stored number display on Multiline Terminal for an outgoing call by System Speed Dialing.	0 1◀	Not displayed To display
044	Toll Restriction for an outgoing call by System Speed Dialing (Related command: CM04 Y=01>18)	0 1◀	Not provided Provided
045	Warning Tone sent to connected parties during Executive Right of Way (Executive Override), Busy Verification or Attendant Override	0 1◀	Only once Every 4 seconds
046	Warning Tone sent to connected parties to alert Executive Right of Way, Busy Verification or Attendant Override • Three burst tone **[Other than New Zealand]** • One burst tone **[New Zealand Only]**	0 1◀	Not sent To send
048	Passing Dial Tone facility	0 1◀	Not available Available

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COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
050	If the * button on a DTMF telephone is pressed while hearing busy tone, it is regarded as a Switch Hook Flash	0 1◀	Effective Ineffective
051	If the # button on a DTMF telephone is pressed while hearing busy tone, it is regarded as a Switch Hook Flash	0 1◀	Effective Ineffective
055	Result of a Switch Hook Flash on a telephone which belongs to House Phone Group 0 or 1	0 1◀	Special Dial Tone (Dialing is available) Attendant Recall
056	Result of a Switch Hook Flash on a telephone which belongs to House Phone Group 2 or 3	0 1◀	Special Dial Tone (Dialing is available) Attendant Recall
057	Result of a Switch Hook Flash on a telephone assigned as a Hot Line	0 1◀	Special Dial Tone (Dialing is available) Attendant Recall
062	Call transfer from a station before a called station answers	0 1◀	Not available Available
063	Call transfer from a station before a called attendant answers	0 1◀	Available Not available
067	Automatic Change of Night Service (Attendant Overflow)	0 1◀	Available ☞ See CM30 Y=03 Not available
068	Camp-On Tone sending to a busy station by Camp-On	0 1◀	Send out only once Repeat at 4 second intervals
069	When a station user has dialed any one digit while hearing busy tone	0 1◀	Switch Hook Flash Step Call
076	Warning tone is sent to C.O. line, when a station monitor is on, or a station/operator overrides a busy station which is connected to a C.O. line.	0 1◀	To send Not sent
077	Toll Restriction-Total Digit Count for PB to PB/DP to PB Connection **[Not used in North America]**	0 1◀	To provide Not provided

Continued on next page

COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
078	Trunk seizure sequence when CM35 Y=083: 0 **NOTE 1:** *When the system is installed with loop-start trunks, it is important to select the highest available trunk setting to prevent call collisions.* **NOTE 2:** *This command is not available for SIP Trunks.*	0 1◀	Highest available trunk Lowest available trunk
085	Type of Standard SIP station No-Answer timer	0 1◀	As per CM41 Y=0>86 As per CM41 Y=0>01
090	Loop on control after dialing for tandem connection, when the incoming trunk cannot receive a release signal	0 1◀	Loop on is not provided (Loop on is provided after an answer signal is detected) Loop on is provided
094	Paging access tone sent to station	0 1◀	To send Not sent
095	Hook flash (break pulse) sent to Radio Paging equipment from station	0 1◀	To send Not sent
096	Hook flash (break pulse) sent to Voice Paging equipment from station	0 1◀	To send Not sent

Continued on next page

COMMAND CODE	TITLE:
08	BASIC SERVICES

BASIC SERVICE: 101-199

◀: Default

BASIC SERVICE		SETTING DATA	
101	When CM08>102: 0 for Single Line Telephone (Related command: CM35 Y=148)	0 1◀	The call with STA-B is disconnected, and STA-A returns to STA-C Three Party Conference
102	When the station (STA-A), after holding the other station (STA-C), has made a switch hook flash while talking with another station (STA-B) (Related command: CM35 Y=148) **NOTE:** *This data is applied to single line telephone station.*	0 1◀	As per CM08>101 STA-B is held, and STA-A returns to the connection with STA-C (Broker's Call)
103	When the station (STA-A), after holding a C.O. call, has made a switch hook flash while talking with another station (STA-B) (Related command: CM35 Y=148) **NOTE:** *This data is applied to single line telephone station.*	0 1◀	As per CM08>104 STA-B is held, and STA-A returns to the connection with C.O. line (Broker's Call)
104	When CM08>103: 0 (Related command: CM35 Y=148)	0 1◀	The call with STA-B is disconnected, and STA-A returns to the C.O. line Three Party Conference
109	Live Record Notification Tone	0 1◀	To send Not sent
113	Outgoing C.O. line call from Station-to-Station connection	0 1◀	Restricted Allowed
114	Answer preference for enhanced Trunk Line Appearance (Trunk Direct Appearances)	0 1◀	Display 2-digit trunk ID code (last two digits assigned by CM30 Y=19) Display 4-digit trunk ID code (four digits assigned by CM30 Y=19) ☞ See CM30 Y=19
115	A station user is allowed to break into a call between a C.O. line party and another station by Executive Right of Way (Executive Override)	0 1◀	Restricted Allowed
116	Answer Key rings on TAS and Pooled Line	0 1◀	To provide Not provided ☞ See CM90 Y=00: F40XX
117	While the station (STA-A) is talking with another station (STA-B) after consultation hold with a C.O. call, when STA-B has hung up	0 1◀	STA-A returns to the call with C.O. line STA-A hears ROT

Continued on next page

COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
119	Toll Diversion When the station dials restricted area code after C.O. trunk access code	0 1◀	Diversion to attendant "ICPT" Station receives ROT
120	Name Display (Guest Name Display) Time to go back to Date and Time display after the call answered	0 1◀	10 seconds later 6 seconds later
121	Name Display (Guest Name Display) after the call answered	0 1◀	Until call finished As per CM08>120
123	When a station has originated a call to C.O. line via the trunk route assigned to 1 by CM35 Y=004, and answer signal has not been detected within the preprogrammed time after dialing, a pseudo-answer signal is generated ☞ See CM41 Y=0>03	0 1◀	To send Not sent **[Australia Only]**
		0 1◀	Not sent To send **[Other than Australia]**
124	Multiple connections of Voice Response System on Announcement Service	0 1◀	Available Not available (Single connection)
125	Unsupervised transfer After holding an incoming C.O. call, an attendant dials a station. After connection with the attendant, if the called station goes on-hook, the attendant returns to the held call.	0 1◀	Return to held call Attendant hears ROT
126	Timing of Call Forwarding-No Answer for trunk incoming call	0 1◀	As per timing for internal call or an assisted call (As per CM41 Y=0>15/CM41 Y=0>101/CME6 Y=08) As per timing for trunk incoming call (As per CM41 Y=0>01/CM41 Y=0>100/CME6 Y=07)
130	Exclusive Hold on Multiline Terminal	0 1◀	Not available Available
133	A trunk line placed in Consultation Hold by Call Park-System/Tenant, can be retrieved by pressing trunk line appearance key on Multiline Terminal	0 1◀	Not available Available

Continued on next page

COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
135	Periodic Time Indication Tone sending for C.O. Line connection ☞ See CM41 Y=0>09	0 1◀	To send Not sent
136	Periodic Time Indication Tone sending for Tie Line connection when CM08>135: 0	0 1◀	To send Not sent
137	Ringing signal for station/attendant calls with trunk lines placed in Consultation Hold	0 1◀	Change from Internal to External Ringing when caller goes on-hook or presses RLS key ☞ See CM08>138 External Ringing ☞ See CM35 Y=033, 034
138	Multiline Terminal ringing signal for Station-to-Station connection	0 1◀	External Ringing Internal Ringing
	Multiline Terminal ringing signal for calls from station through CCIS	0 1◀	External Ringing Internal Ringing
	Multiline Terminal ringing signal for calls from C.O./Tie Line through CCIS	0 1◀	Internal Ringing External Ringing
	Multiline Terminal ringing signal for calls from station through CCIS **[North America Only]**	0 1◀	2 seconds ON-4 seconds OFF 1 second ON-2 seconds OFF
	Multiline Terminal ringing signal for calls from C.O./Tie Line through CCIS **[North America Only]**	0 1◀	1 second ON-2 seconds OFF 2 seconds ON-4 seconds OFF
	Single Line Telephone ringing signal for Station-to-Station connection	0 1◀	As per CM04 Y=00>06 As per CM04 Y=00>05
140	Message Waiting indication on both My Line and Sub Line of Multiline Terminal	0 1◀	Available Not available (My Line Only)
141	Recording Station-to-Station calls automatically ☞ See CM13 Y=23 CM76 Y=13	0 1◀	Start automatically Not available
142	Attendant access capability from the stations belonging to a tenant with no Attendant Console ☞ See CM62	0 1◀	To allow Not allowed

Continued on next page

COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
143	Individual attendant access from a station within another tenant See CM20 Y=0-3: A095	0 1◀	Restricted Allowed (Recall transferring station)
144	Lamp color on Multiline Terminal when Message Waiting is set	0 1◀	Green Red
	NOTE 1: *When the second data is set to "0" (Green), the Icon to be displayed on Multiline Terminal normally is not displayed.* **NOTE 2:** *For DT700 (except DT710)/DT800/DT900 Series, when a lamp color for incoming station calls is set by the illumination menu of the terminal setting, the setting of the terminal side becomes effective.*		
145	Outgoing call preset and call answer preset of Multiline Terminal • Outgoing preset: Feature + OG • Call answer preset: Feature + Answer	0 1◀	Available Not available
146	Transferred C.O. call to a busy station is automatically Camped-on when transferring station goes on-hook	0 1◀	Available Not available (Recall transferring station)
147	When a station transfers a C.O. call to a busy station, and performs a switch hook flash	0 1◀	The station hears Special Dial Tone and use of Camp-On access code is allowed The station returns to C.O. line call
148	When a station user, upon encountering the called station busy, has dialed the same last digit again while hearing busy tone **NOTE:** *Effective only when CM08>069: 1.* See CM08>069	0 1◀	Hearing busy tone Ineffective
149	In delay-type paging, when the paged party encounters a busy paging circuit, Call Back is automatically set (Applicable to both Radio Paging and Speaker Paging)	0 1◀	Available Not available
150	Restriction of a station-to-station call between tenants by CM63 Y=1 is temporarily cancelled by means of external key	0 1◀	To cancel Not canceled

Continued on next page

COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
151	Single digit dialing (1-9) for switch hook flash (DP telephone)	0 1◀	Not available Available
	NOTE 1: *This command is effective for 9300V3 (SC-4351 LYRA BSC PROG-V3.1.0) software or before. Use CM08>1052 for 9300V3 STEP2 software or later.* **NOTE 2:** *By setting the second data of this command to 1 (Available), hooking is enabled by dialing operation of "1" to "9" from a DP telephone.*		
153	Howler Tone sent to locked-out stations	0 1◀	Not sent To send
155	Whether dialing digit "1" upon encountering trunk busy is effective as switch hook flash. (For DP telephone) **NOTE:** *Effective only when CM08>151: 1.*	0 1◀	Effective as switch hook flash Ineffective
156	Dialing of a Single Digit Feature Access Code while the calling station hears RBT, or performs a Voice Call	0 1◀	Available Not available

The table below shows the available features and its access codes for Single Digit Feature Access Code, while the calling station hears RBT.

Access Code	Service	Calling Station Kind			
		Attendant Console	Multiline Terminal	DP Telephone	DTMF Telephone
1	Voice Call	Available	Available	Available	Available after Hooking **NOTE 2**
2	Call Back-No Answer	Not Available	Available **NOTE 1**	Available **NOTE 1**	Available after Hooking **NOTE 2**
6	Message Reminder/ Message Waiting Set	Available	Available	Available	Available after Hooking **NOTE 2**
8	Message Waiting Record	Available	Available	Available	Available after Hooking **NOTE 2**

NOTE 1: *While the Multiline Terminal or DP telephone is holding the other call, this feature is not available.*
NOTE 2: *While the DTMF telephone is holding the other call, this feature is not available.*

Continued on next page

COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
157	Paging answer by PGD(2)-U10 Station Dialing (only in the case of Delay and Non-delay answer)/Radio Paging Answer code and the Paging Access code are to be the same **NOTE:** *The Paging Answer by the following methods is applied depending on the setting of this command.* - *When the second data is set to "0": PGD(2)-U10 station number assigned by CM10 Y=00.* - *When the second data is set to "1": Paging Answer Zone 0-9 assigned by CM20 Y=0-3: A070-A079.*	0 1◀	Available Not available
158	All Zone Internal Paging See CM56 Y=00-07 CM20 Y=0-3: A164	0 1◀	Not available Available
161	Transfer a trunk line placed in Consultation Hold by Trunk-Direct Appearances (Hold Transfer)	0 1◀	Available (Hold Transfer) Not available (Consultation Hold)
162	Multiple Radio Paging access after accessing a Radio Paging trunk with delay type Radio Paging **NOTE:** *This is ineffective when CM08>157: 0.*	0 1◀	Not available Available
163	Step Call for an incoming call from a Tie Line	0 1◀	Not available Available
165	Replay timer for Attendant Delay Announcement	0 1◀	Replay at an interval See CM41 Y=0>47 Replay only once
168	When the Multiline Terminal station dials "#" during setting of Station Speed Dialing	0 1◀	"#" is set as paused data (1.5 seconds) "#" is set as dialed digit
	NOTE: *This data is valid for forwarding a call to an outside line (for example, Call Forwarding-All Calls-Outside, Call Forwarding-Busy Line-Outside, Call Forwarding-No Answer-Outside, and Call Forwarding-Logout (IP Station)). If the forwarding destination number includes "#", set the second data to "1".*		
171	When the Multiline Terminal station dials "*" during setting of Station Speed Dialing	0 1◀	"*" is set as programmable pause by CM41 Y=0>38 "*" is set as dialed digit
	NOTE: *This data is valid for forwarding a call to an outside line (for example, Call Forwarding-All Calls-Outside, Call Forwarding-Busy Line-Outside, Call Forwarding-No Answer-Outside, and Call Forwarding-Logout (IP Station)). If the forwarding destination number includes "*", set the second data to "1".*		

Continued on next page

COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
172	Automatic Idle Return on Multiline Terminal	0 1◀	Not available Available
	NOTE: *When using a wireless headset system, be sure to set the second data to 0 (To make the Automatic Idle Return feature unavailable).*		
177	Last Number Redial for Single Line Telephone/Standard SIP station	0 1◀	Available See CM20 Y=0-3: A069 Not available
179	Ringing cadence on Direct in Termination **[Other than North America]**	0 1◀	As per CM35 Y=033 Special Ringing for Multiline Terminal See CM08>397 As per CM04 Y=00>07 for Single Line Telephone
	Ringing cadence on Direct in Termination **[North America Only]**	0 1◀	As per CM35 Y=033 Special Ringing for Multiline Terminal 0.25 seconds ON-0.125 seconds OFF -0.25 seconds ON-0.125 seconds OFF -0.25 seconds ON-2 seconds OFF As per CM04 Y=00>07 for Single Line Telephone
180	Ringing cadence on Automated Attendant call, DID call and DISA call **[Other than North America]**	0 1◀	Special Ringing for Multiline Terminal See CM08>397 As per CM04 Y=00>06 for Single Line Telephone As per CM35 Y=033 or CM76 Y=22
	Ringing cadence on Automated Attendant call, DID call and DISA call **[North America Only]**	0 1◀	Special Ringing for Multiline Terminal 0.25 seconds ON-0.125 seconds OFF -0.25 seconds ON-0.125 seconds OFF -0.25 seconds ON-2 seconds OFF As per CM04 Y=00>06 for Single Line Telephone As per CM35 Y=033 or CM76 Y=22
181	Multiline Terminal/DSS Console One-Touch key calling while another party being rung, or while talking with another party	0 1◀	Not available Available

Continued on next page

COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
185	When the transferring station goes on-hook before the called station answers for Call Transfer-All Calls service, if the transferred call remains unanswered for a preprogrammed duration, the transferring station is recalled. ☞ Recall timing: See CM41 Y=0>07	0 1◀	Not available Available
187	Recall priority over Call Forwarding	0 1◀	Recall is higher Call Forward is higher
193	Sender prepause for C.O. outgoing call (Not used with LCR)	0 1◀	To provide Not provided
194	Sender prepause for Tie Line outgoing call	0 1◀	To provide Not provided
199	Line Preselection on a Multiline Terminal Off-hook/Speaker key is required after pressing the desired Line/Trunk key.	0 1◀	Not required Required
	NOTE: *When pressing the Line/Trunk key while terminated a call, Caller ID can be confirmed on the LCD without answering the call.*		

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COMMAND CODE	TITLE:
08	BASIC SERVICES

BASIC SERVICE: 200-294

◀: Default

BASIC SERVICE		SETTING DATA	
200	Wake-up time printout on Hotel printer and the report is sent to PMS, when setting wake-up time from guest station	0 1◀	Available Not available
201	Do Not Disturb records print on Hotel printer and the report is sent to PMS, when setting Do Not Disturb from guest station	0 1◀	Available Not available
204	Diversion display on Attendant Console	0 1◀	Available Not available
205	LDN Diversion on Attendant Console ☞ See CM58	0 1◀	Available Not available
206	Trunk-to-Trunk transfer by an attendant before answer on the outgoing trunk	0 1◀	Not available Available
207	Busy lamp field-fixed ☞ See CM60 Y=26	0 1◀	Available Not available

Continued on next page

COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

	BASIC SERVICE	SETTING DATA	
208	Dialing of a Single Digit Feature Access Code, while the calling station hears busy tone	0 1◀	Available Not available

To activate Single Digit Feature Access Code, set CM08>050, 051, 069, 148 and 543 to "1".

050	If the * button on a DTMF telephone is pressed while hearing busy tone, it is regarded as a Switch Hook Flash	1◀	Ineffective
051	If the # button on a DTMF telephone is pressed while hearing busy tone, it is regarded as a Switch Hook Flash	1◀	Ineffective
069	When a station user has dialed any one digit while hearing busy tone	1◀	Step Call
148	When a station user, upon encountering the called station busy, has dialed the same last digit again hearing busy tone	1◀	Ineffective
543	Whether the step call is to be restricted or not	1◀	Allowed

The table below shows the available features and its access codes for Single Digit Feature Access Code, while the calling station hears busy tone.

Access Code	Service	Calling Station Kind			
		Attendant Console	Multiline Terminal	DP Telephone	DTMF Telephone
2	Call Back/Outgoing Trunk Queueing (Trunk Queuing-Outgoing)	Not available	Available NOTE 1	Available NOTE 1	Available NOTE 2
3	Executive Right of Way (Executive Override)	Not available	Available NOTE 1	Available NOTE 1	Available NOTE 2
4	Station Camp-On (Camp-ON)	Not available	Available	Available	Available NOTE 2
5	Call Waiting	Not available	Available	Available	Available NOTE 2
6	Message Reminder/Message Waiting Set	Available	Available	Available	Available NOTE 2
7	Step Call (7 + Last one digit)	Available	Available	Available	Available NOTE 2
8	Message Waiting Record	Available	Available	Available	Available NOTE 2

NOTE 1: *While the Multiline Terminal or DP telephone is holding the other call, this feature is not available.*
NOTE 2: *While the DTMF telephone is holding the other call, this feature is not available.*

Continued on next page

COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
212	When a caller encounters all ACD/UCD stations busy	0 1◀	Busy Tone is to be sent out Caller is placed into queuing mode
	NOTE: *To make UCD Delay Announcement work, set the second data to 1 (Caller is placed into queuing mode).*		
213	Method to cancel Call Forwarding-All Calls/-Busy Line/-No Answer	0 1◀	Feature access code + Feature key Feature access code + "*" key
214	When a ACD/UCD station dials ACD/UCD Busy out code after holding the call from a Tie Line/CCSA line on Consultation Hold ☞ See CM17 Y=6	0 1◀	ACD/UCD station hears Service Set Tone, and returns to the call by Switch Hook Flash The call is disconnected, and the ACD/UCD station hears ROT
215	When a ACD/UCD station dials ACD/UCD Busy out code after holding the call from C.O. Line (DDD/FX/WATS) on Consultation Hold ☞ See CM17 Y=5	0 1◀	ACD/UCD station hears Service Set Tone, and returns to the call by Switch Hook Flash The call is disconnected, and the ACD/UCD station hears ROT
216	Processor for Authorization Code/Forced Account Code	0 1◀	By PBX ☞ See CM2A Y=00-14, A0 By OAI
	NOTE: *If no setting has been performed for OAI, the default setting of this data (2nd data=1) means the same as 2nd data=0 (By PBX).*		
217	Processor for Remote Access to System (DISA) Code	0 1◀	By PBX ☞ See CM2A Y=00-14, A0 By OAI
	NOTE: *If no setting has been performed for OAI, the default setting of this data (2nd data=1) means the same as 2nd data=0 (By PBX).*		
220	Burst tone for Operator Monitoring **[Australia Only]**	0 1◀	Only Once Every 4 seconds
221	Tone sent to all parties on three party conference **NOTE:** *Setting data 0 is effective only when CM31 Y=0>0 is 04.*	0 1◀	Tone is not sent Every 4 seconds

Continued on next page

COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
222	To complete the operation for setting Call Forwarding-All Calls-Outside/Busy Line-Outside/No Answer-Outside	0 1◀	Setting when the station goes on hook/when receiving Service Set Tone (PBR time out) Setting when receiving Service Set Tone (PBR time out)
227	Whether the transferred C.O. call from station or attendant is placed into queuing mode when all ACD/UCD stations are busy **NOTE:** *Effective only when CM08>212 is set to 1.*	0 1◀	The call is placed into queueing mode Recall to the transferring station when the call is transferred from station, or Attendant Camp-On is set when the call is transferred from Attendant
228	Ringing start time for Wake Up call/Timed Reminder call	0 1◀	Start at preset time Start at the time 5 minutes before pre-set time
232	Trunk access from station in Room Cutoff status	0 1◀	Restricted to C.O. only Restricted to all Trunk Route
233	Message Waiting lamp of calling station is extinguished when an attendant answers	0 1◀	Available ☞ See CM13 Y=13 Not available
234	Deletion of Call History-No Answer/Message Waiting irrespective of the station answering when calling back to Call History-No Answer/Message Waiting	0 1◀	To delete Not deleted (To delete only when answering)
235	Deletion of all stored Call History-No Answer/Message Waiting of calling station when answering the call	0 1◀	To delete Not deleted
236	Special Dial Tone sending for Attendant Console or station dialing a Message Waiting access Set/Cancel code	0 1◀	No tone Tone is sent
237	Automatic Intercom to station set for Do Not Disturb	0 1◀	Restricted (ROT connection) Allowed
238	Ringing of Manual Intercom call on station set for Do Not Disturb	0 1◀	No ring Ring on
239	Dial Intercom to station set for Do Not Disturb	0 1◀	Restricted (ROT connection) Allowed

Continued on next page

COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
240	Operation of Station Hunting for a station with Do Not Disturb set (for DID/Tie Line/Station call)	0 1◀	Station Hunting Do Not Disturb (ROT connection)
	Operation of Call Forwarding-Busy Line for a station with Do Not Disturb set (for DID/DIT/Tie Line/Station call)	0 1◀	Call Forwarding-Busy Line To transfer to the another station (assigned by CM51 Y=10)
	NOTE: *Regardless of this data, Do Not Disturb is available for Direct-In Termination when a Pilot station of Station Hunting group is set Do Not Disturb.*		
241	Destination of call transfer by CM51 Y=10 in a system with multiple-tenants, when a station/DID/Tie Line call from another tenant is terminated to a station set to Do Not Disturb ☞ See CM51 Y=10	0 1◀	The call is routed to a station within the tenant of the called station The call is routed to a station within the tenant of the calling station or within the tenant of the DID/Tie Line trunk
	Destination of DID/Tie Line call transfer to an attendant by CM51 Y=00, 01, 03, 04 in the system with multiple-tenants and multiple-console operation ☞ See CM51 Y=00/01/03/04	0 1◀	The call is routed to Attendant within the tenant of the called station The call is routed to Attendant within the tenant of the DID/Tie Line trunk
	NOTE: *To set Mobility Access Mode, the second data should be set to "0".*		
244	Terminating system of all incoming trunks is changed by Day/Night Mode change by station dialing	0 1◀	Available Not available
245	Trunk Restriction class assigned by CM12 Y=01 is changed by Day/Night Mode change by station dialing	0 1◀	Available Not available
246	When the station (STA-A) presses the Transfer key, after holding conference and makes an inquiry call with another station (STA-B)	0 1◀	The call with STA-B is disconnected STA-B attends the conference (4 party conference)
250	Destination of Priority Call 0	0 1◀	Same station as Off Hook Alarm ☞ See CM51 Y=12 Terminate to Attendant Console
251	Destination of Priority Call 1	0 1◀	Same station as Off Hook Alarm ☞ See CM51 Y=12 Terminate to Attendant Console
253	Ring transfer for Call Transfer-All Calls to a trunk when a station holds another station/trunk	0 1◀	Available Not available

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COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
254	Whether the Hold key of the Multiline Terminal is used as the Call Park-Tenant Set key for an internal or external call	0 1◀	Call Park-Tenant Set key Hold key
258	When the temporary service class returns to proper service class (Forced Account Code and Authorization Code)	0 1◀	When called number has been dialed When station goes on hook
259	Warning tone sent to connected parties when monitoring Station-to-Station or Station-to-Trunk call **NOTE:** *Monitoring telephone conversations may be illegal under certain circumstances and laws. Consult a legal advisor before implementing the monitoring of telephone conversations. Some federal and state laws require a party monitoring a telephone conversation to use beeptones, to notify all parties to the telephone conversation, and/or to obtain consent from all parties to the telephone conversation. Some of these laws provide strict penalties for illegal monitoring of telephone conversations.*	0 1◀	Not sent To send (only once)
262	Multiline Terminal ringer volume control and sending of Ring Test Tone • To ring the ringer: press [Feature] and dial 0 • To adjust the ringer volume: press [▲] or [▼]	0 1◀	Available Not available
265	Display of Busy Out from ACD/UCD group on DSS Console	0 1◀	To provide Not provided
266	One hit ringing for Call Forwarding-All Calls	0 1◀	Restricted Allowed
267	Hotel feature (Wake-up, Do Not Disturb, Message Waiting, Room Cutoff) records printout on Hotel printer, and the report is sent to PMS when setting or resetting the hotel feature from Hotel Console or Administrative station	0 1◀	Available Not available

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COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
268	Call termination to My Line while the station user makes a call with a Sub line or trunk line on Multiline Terminal **NOTE 1**	0 1◀	Restricted Allowed
269	Busy indication on BLF of large type DESKCON, DSS Console or Multiline Terminal by station base or extension base **NOTE 1**	0 1◀	Station base Extension base
270	Voice Call when calling Multiline Terminal set to Voice First from single line telephone or Multiline Terminal without LCD	0 1◀	Not provided (Busy Tone) To provide
274	Line lockout indication on DSS Console	0 1◀	Available Not available
275	Speech Synthesis service used for guide service of No Answer	0 1◀	Available Not available
281	Maid Identification number used for Maid Status **NOTE 2**	0 1◀	Available Not available
289	Room Cutoff	0 1◀	Not Allowed To allow
294	MW lamp indication on Multiline Terminal to which Message Waiting/Message Reminder is set	0 1◀	Flashing (60 IPM) Steady lighting

NOTE 1: *When CM08>268 is set to 0 (restricted), set CM08>269 to 0 (station base).*
NOTE 2: *CM08>281 is required for Hotel printer.*

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COMMAND CODE	TITLE:
08	BASIC SERVICES

BASIC SERVICE: 301-398

◀: Default

BASIC SERVICE		SETTING DATA	
301	When system is reseted	0 1◀	Multiline Terminal MIC lamp ON Multiline Terminal MIC lamp OFF
311	Display last calling station number	0 1◀	6 seconds Until next call
	Display calling station number when a calling station abandons a call before the call is answered	0 1◀	Not available Available
313	An Incoming call via UCD station in Exclusive Hold/Remote Hold	0 1◀	Not income To income
319	On a Tie Line outgoing call with answer signal, transferring/ holding the call before distant called station answers. **NOTE:** *Effective only when CM35 Y=000 is 03 or 04 and CM35 Y=004 is 02.*	0 1◀	Not available Available
322	Answering method of Camp-On (Call Waiting Method)	0 1◀	Same as Camp-On transfer-method (Switch Hook Flash + Call Hold access code/Answer key) Alternating between two calls by Switch Hook Flash/Answer key
324	Direct-In Termination-Outside (In the case of no release signal on incoming trunk and both answer and release signals on outgoing trunk)	0 1◀	After the outgoing trunk receives the response, the tandem connection is allowed The tandem connection is restricted when the incoming trunk is no restoration signal
331	Sender Prepause for outgoing call via attendant	0 1◀	To provide Not provided
333	Mail box number sent to VMS when VMS is recalled after transferring the call to an unanswered station	0 1◀	To send Not sent
334	Call to a station with a Return Message Schedule Display, and receives ringing	0 1◀	Available (Ringing) Not available (ROT connection)
335	Station number and name display when incoming call begins ringing in RESET	0 1◀	Display when incoming call terminates to the Prime Line Display when incoming call terminates to the Prime Line or My Line

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COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
352	When a call is transferred by Remote Access to System (DISA) to predetermined station and time-out occurs, the call is continued or dropped See CM30 Y=30 CM41 Y=0>39	0 1◀	Disconnect call Continue call
353	Buzzer sound when terminating incoming call to attendant that is in Attendant Console Lockout	0 1◀	Not provided To provide
357	Diversion display on Multiline Terminal/DESKCON when originating/terminating a call	0 1◀	Available Not available
359	When a call is transferred by Automated Attendant to predetermined station and time out occurs, the call is continued or dropped See CM30 Y=30, 31, 32, 33 CM41 Y=0>39	0 1◀	Disconnect call Continue call
362	Confirmation tone after dialing access code for Account Code/ Authorization Code/Forced Account Code	0 1◀	No tone Service Set Tone
363	For Automated Attendant call, caller dials while receiving message or music	0 1◀	Not allowed (Allowed after receiving the message or music) Allowed
365	Send Dial Tone when holding trunk by Hold key See CM90 Y=00: F0058	0 1◀	To send Not sent
367	Camp-On (Call Waiting) Tone sent to busy station by Call Waiting-Station/-Terminating (Camp-On Call Waiting method) **NOTE:** *In Italy, Belgium, Denmark, Switzerland and Spain, you have to set setting data to 0.*	0 1◀	Every 4 seconds Only once
368	Centralized Billing-CCIS for Center Office	0 1◀	To provide (for Center Office) Not provided (for Local Office)
369	Automatic return of originating station to the held C.O. line call, after the inquiry call is disconnected.	0 1◀	Automatic return to C.O. line call Return to C.O. line call via hooking, when receiving ROT
370	Call Forwarding-Outside-CCIS on incoming call from CCIS	0 1◀	Restricted Allowed
371	Call Forwarding Override-CCIS	0 1◀	Not available (BT connection) Available

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COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
372	Alternative Routing when outgoing trunks of tandem office are all busy/Alternate Routing for multiple SIP **NOTE 1:** *For Alternative Routing for multiple SIP, specify whether to use an alternative route when receiving an error response from an opposing device after a station originates a SIP Trunk call.* **NOTE 2:** *When 0 (Available) is set by this command, an alternative routing is performed at receiving an error response "503 service unavailable" or "486 Busy Here".* **NOTE 3:** *Whether to perform an alternative routing at receiving an error response "486 Busy Here" can be assigned by CMBA Y=111.* **NOTE 4:** *No alternative routing is allowed for error responses other than those above.*	0 1◀	Available Not available
376	When forwarded call is terminated to VMS via CCIS, whether Message Waiting from VMS is provided for the called station	0 1◀	To provide Not provided
377	Send calling party information to SMDR on CCIS tandem calls	0 1◀	Station number and Office number Trunk Route number and Trunk number
378	Centralized Billing-CCIS for Local Office	0 1◀	To provide (for Local Office) Not provided (for Center Office)
379	Maximum number of dialed digits sent to the CCIS	0 1◀	15 digits 24 digits
	When a call is terminated via CCIS/SIP, whether Caller ID Notification/Name Display (Attendant Called/Calling Name Display) is provided for the called station.	0 1◀	Not provided To provide
380	Interval of ringer until detecting a ringing frequency from the main PBX or Centrex. Ringing is sent from Multiline Terminal until detection of the ringing frequency.	0 1◀	As per CM08>381 As per CM35 Y=033

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COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
381	Interval of ringer until detecting a ringing frequency from the main PBX or Centrex. Ringing is sent from Multiline Terminal until detection of the ringing frequency. **NOTE:** *Effective only when the 2nd data of CM08>380: 0.*	0 1◀	No Ringer Ringing Tone (0.5 seconds) is sent once
382	Lamp indication of Multiline Terminal until detecting the kind of incoming call from main PBX or Centrex. The lamp is lit until detection of the ringing frequency.	0 1◀	Red steady light 120 IPM flash (As per CM35 Y=032)
386	Destination setting of Call Forwarding-All Calls/Busy Line/No Answer-Outside or Split Call Forwarding-All Calls/Busy Line/ No Answer-Outside by entering only a trunk access code	0 1◀	Restricted Allowed
388	Holding/held party control for Music on Hold tenant basis **NOTE:** *To provide External Hold Tone through an IPT (P2P CCIS), set the second data to "01".*	0 1◀	Held party control (tenant) Holding party control (tenant)
390	Multiline Terminal tone ringer selection **NOTE 1:** *Set "0" (Available) by CM08>262 to allow the ring test tone to be heard when using the "Feature + 3" operation.* **NOTE 2:** *When the ring tone 600 + 700 (Hz) is specified in CM15 Y=083, 084 and/or CM35 Y=034, the ring tone selection key of Multiline Terminal is ineffective.*	0 1◀	By pressing Feature key and dialing 3 **NOTE 1** As per CM15 Y=491 CM35 Y= 034, 164 **NOTE 2**
391	Lamp indication on Multiline Terminal (RESET)	0 1◀	Special Standard
392	Multiline Terminal ringing signal patterns for external call **[Other than North America]**	0 1◀	2 seconds ON-4 seconds OFF 0.4 seconds ON-0.2 seconds OFF -0.4 seconds ON-2 seconds OFF
394	Message Waiting lamp indication of Single Line Lamp	0 1◀	Flashing (1 second ON-1 second OFF) Steady lighting
396	Multiline Terminal ringing cadence selection for Internal call **[Other than North America/Australia]**	0 1◀	2 seconds ON-4 seconds OFF 1 second ON-2 seconds OFF

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COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
397	Multiline Terminal ringing signal patterns for an internal/external call and special ringing **[Other than North America/Australia]**	0 1◀	Depends on the combination of CM08>392 and 396 (See the following table) Depends on the data set by CM08>392 and 396

UNIT: seconds

PATTERN	1	2	3	4	5	6	7	8
CM08>392	1	0	1	0	1	0	0	1
CM08>396	1	1	0	0	1	0	1	0
CM08>397	1	1	1	1	0	0	0	0
Internal Ringing	1ON 2OFF	1ON 2OFF	2ON 4OFF	2ON 4OFF	0.375ON 0.25OFF 0.375ON 2OFF	0.375ON 0.25OFF 0.375ON 2OFF	1ON 4OFF	0.25ON 0.25OFF 0.25ON 4.25OFF
External Ringing	0.375ON 0.25OFF 0.375ON 2OFF	2ON 4OFF	0.375ON 0.25OFF 0.375ON 2OFF	2ON 4OFF	2ON 4OFF	2ON 4OFF	0.25ON 0.25OFF 0.25ON 4.25OFF	1ON 4OFF
Special Ringing	0.25ON 0.125OFF 0.25ON 0.125OFF 0.25ON 2OFF	0.5ON 0.5OFF 0.5ON 1.5OFF	0.25ON 0.125OFF 0.25ON 0.125OFF 0.25ON 2OFF	0.5ON 0.5OFF 0.5ON 1.5OFF	0.25ON 0.125OFF 0.25ON 0.125OFF 0.25ON 2OFF	0.25ON 0.125OFF 0.25ON 0.125OFF 0.25ON 2OFF	0.25ON 0.125OFF 0.25ON 0.125OFF 0.25ON 2OFF	0.25ON 0.125OFF 0.25ON 0.125OFF 0.25ON 2OFF

NOTE 1: *The above ringer patterns (5-8) are effective only when CM31 Y=0>0: 04, 15.*
NOTE 2: *PATTERN 5 is standard setting for Brazil.*
NOTE 3: *PATTERN 6 is standard setting for France.*
NOTE 4: *PATTERN 7 and 8 are standard setting for EMEA.*

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COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
398	Provide PAD for Multiline Terminal at all times **NOTE:** *For Europe, be sure to set the data to 0.*	0 1◀	To provide Not provided
	Multiline Terminal connection PAD **[For EMEA]**	0 1◀	With PAD Without PAD
	NOTE 1: *CM08>398:0 (With PAD) is available for following countries. Austria/Belgium/Denmark/Germany/Italy/South Africa/Spain/Sweden/Switzerland/The Netherlands/UK* **NOTE 2:** *CM08>398:1(Without PAD) is available for following countries. Brazil/China/International*		

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COMMAND CODE	TITLE:
08	BASIC SERVICES

BASIC SERVICE: 400-489

◀: Default

BASIC SERVICE		SETTING DATA	
400	Send Calling Party Subaddress to ISDN network	0 1◀	To send Not sent
401	Terminating system for Called Party Subaddress	0 1◀	Station call Terminating system assigned by CM30 Y=02/03/40/41
402	Advice of Charge (AOC) display on Multiline Terminal when the charge has been summed over $9999.99/€ (Euro) 655.35 (After 6 seconds, the display goes off.) **[Australia/France/Germany/Netherlands/Italy/Greece/ Luxembourg/Portugal/Spain/Sweden]**	0 1◀	Flashing display Fixed display
403	Timing start when making ISDN call from attendant	0 1◀	Not available Available
404	Advice of Charge **[Australia/France/Germany/Netherlands/Italy/Greece/ Luxembourg/Portugal/Spain/Sweden]**	0 1◀	Not available Available
405	Consecutive Speed Dialing when making ISDN call	0 1◀	Available Not available
407	Busy tone is sent to calling party of ISDN when called party is busy in tandem connection (ISDN to COT)	0 1◀	Available (BT) Not available (RBT)
420	Frequency of metering pulse for COT **[Australia Only]** RESET	0 1◀	16 kHz 50 Hz/12 kHz
422	Multiline Terminal speaker volume control (6dB gain) in on-hook speaker mode **[Australia Only]**	0 1◀	Available Not available
424	Method of charging a transferred call	0 1◀	Charging to transferring station or transfer destination station Split charging to both transferring station and transfer destination station

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COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
425	Charging to the transferring station or transfer destination station	0 1◀	Charging to transferring station Charging to transfer destination station
	Shown below are stations to which call is to be charged in the case of various transfer patterns.		

STA: station
DESKCON: Desk Console

Transfer Pattern		CM08>424=1	CM08>424=0 CM08>425=1	CM08>424=0 CM08>425=0
From	To			
STA A	STA B	Split charging to STA A and STA B	STA B	STA A
STA	DESKCON	STA	STA	STA
DESKCON	STA	STA	STA	STA
DESKCON A	DESKCON B	Split charging to DESKCON A and DESKCON B	DESKCON B	DESKCON A

426	SMDR for incoming calls if the account code is not entered **NOTE:** *When CM08>426 is 0, SMDR for incoming call is not provided even if CM13 Y=05 and CM35 Y=049 are 0 (To provide).*	0 1◀	Not provided To provide
427	Send additional DTMF signals when called station answers, if assigning station number or outside number and additional DTMF signals to One-Touch key on Multiline Terminal.	0 1◀	To send Not sent
428	VMS transfer from attendant, if Camp-On is set and not answered	0 1◀	To provide Not provided
429	Automatic setting of OAI SMFR for Multiline Terminal Sub line [Cintech Jazz ACD only]	0 1◀	Available Not available
430	Send Calling Party Subaddress to ISDN network when making call from ISDN Telephone	0 1◀	To send (As per CM08>431) Not sent
431	ISDN Calling Party Subaddress when making call from ISDN Telephone	0 1◀	ISDN line station No. assigned by CM10 Y=00 ISDN Telephone No.

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COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
432	Forced release when called ISDN Telephone does not answer for 3 minutes	0 1◀	Not available Available
434	ISDN CPN (Calling Party Number) when making a call from ISDN Telephone	0 1◀	CPN entered in ISDN Telephone CPN assigned by CM12 Y=12/13
441	Recall display on Attendant Console	0 1◀	Available Not available
442	ACD/UCD Busy Out from Sub line	0 1◀	Available Not available
443	Type of Voice Mail System (VMS)	0 1◀	As per CM12 Y=25 VMS with DTMF signaling
444	Message Waiting lamp control from VMS with MCI to all stations **NOTE:** *MW lamp control is only available to stations in the opposite PBX connected with CCIS via MCI. Station dialing MW access codes are not allowed over CCIS.*	0 1◀	Available Not available
445	Pressing Paging key on DESKCON when the attendant is in idle	0 1◀	Available Not available
448	When Multiline Terminal station dials "*#" during setting of Station Speed Dialing/One-Touch keys	0 1◀	"*#" is set as dialed digit "*#" is set as a delimiter mark between dialed number and DTMF signal
449	DID call to station with Call Forwarding-No Answer-CCIS set to a busy destination station. Destination has no call forwarding set.	0 1◀	Ring continuously at forwarded DID station Drop to busy signal after time set by CM41 Y=0>01
450	Fault Information Storing	0 1◀	Not stored To store
460	Send OAI SMFN STS (status) for Call Transfer from station	0 1◀	SMFN STS=7 SMFN STS=0
461	Send OAI SMFN when answering held call	0 1◀	To send Not sent
462	Send ANI/Caller ID/CPN to OAI terminal	0 1◀	To send Not sent

Continued on next page

COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
463	Send ANI/Caller ID/CPN to SMDR terminal	0 1◀	To send Not sent
464	OAI TSAPI SCF facility	0 1◀	Same as 2400 IPX system (recommended setting) SMFN Off-Hook indication sent
465	SCF error code type	0 1◀	SCF error Detail SCF error Kind
467	Method of readout the traffic information	0 1◀	To readout from the newest data To readout from the oldest data
	NOTE: *Set the second data to 0 when measuring traffic data continuously per hour/day.*		
470	Send Backward GB signal when terminating to Attendant Console on DID MFC call	0 1◀	Subscriber's Line control Subscriber's Line Free (Charge)
471	Send Backward GB signal when terminating by tandem connection or converting received digits on DID MFC call	0 1◀	Subscriber's Line control Subscriber's Line Free (Charge)
472	Request ANI signal from network when MFC incoming call terminates **[North America Only]**	0 1◀	Available Not available
473	Assign the connecting method when receiving Backward signal meaning Line Busy/Unallocated number/Congestion	0 1◀	Not released trunk (Tone/Announcement from C.O.) Release trunk (BT/ROT from PBX)
474	Send ANI signal to PSTN on Enhanced 911 **[North America Only]**	0 1◀	To send Not sent
475	Sender Tone sending on Enhanced 911 **[North America Only]**	0 1◀	Not sent (No tone) To send
477	Select the Backward signal for ANI signal on DOD MFC call	0 1◀	Backward GC **[Mexico Only]** Backward GA
	NOTE: *Both CM08>477 and 487 should be set the same data.*		

Continued on next page

COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
487	Select the Backward signal for ANI signal on DID MFC call	0 1◀	Backward GC **[Mexico Only]** Backward GA
	NOTE: *Both CM08>477 and 487 should be set the same data.*		
489	Type of Single Data Message Frame Format	0 1◀	Without Time Parameter With Time Parameter

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COMMAND CODE	TITLE:
08	BASIC SERVICES

BASIC SERVICE: 502-599

◀: Default

BASIC SERVICE		SETTING DATA	
502	Name display on the called station when calling from Sub Line	0 1◀	Name display of My Line Name display of Sub Line
	Calling Party Name sending to ISDN when making an outgoing call from Sub Line	0 1◀	Name of My Line Name of Sub Line
	NOTE: *This command is effective excluding North America.*		
503	Send RBT when the called Standard SIP station is in off hook state, the power is off, or the cable is pulled out	0 1◀	Not sent To send
	NOTE: *Effective only for station-to-station call.*		
504	Standard SIP station No-Answer	0 1◀	Available Not available
507	Send calling station number to the analog telephone for Caller ID-Station when an internal call is terminated.	0 1◀	Not sent To send
508	Mask indication (*) for Station Authorization Code entry	0 1◀	To provide Not provided
509	Call Forwarding-Override when the Call Forwarding-All Calls is set to the My Line of Multiline Terminal	0 1◀	Call Forwarding-Override As per CM08>268
510	Station Hunting-Not Available when Station Hunting-Standard SIP station Off Hook/Power Off/Cable Pulled Out	0 1◀	Available Not available
513	ID registration method for IP Station	0 1◀	Protected Login Mode for All IP Stations As per CM15 Y=480
514	Whether the system encodes the station number when IP Stations login to the network	0 1◀	To encode (Original method) Not encoded
515	Whether the system encodes the password when IP Stations login to the network	0 1◀	Not encoded To encode (As per CM08>517)
516	Whether the system override IP Stations which have the same station number when the IP Stations login to the network	0 1◀	To override Not overridden
	NOTE: *Set the second data to 0, when an IP Station user moves to visitor unit without the logout operation in User Mobility feature.*		
517	Encoding method for the password **NOTE:** *Effective when CM08>515 is set to 1.*	0 1◀	MD5 Original method

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COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
519	Whether the system sends SPDT when entering the name/number for Dial by Name	0 1◀	Not sent To send
522	Provide the Privacy Release feature which does not use My line of the third party	0 1◀	To provide Not provided
524	Send calling party name to the analog telephone for Caller ID-Station when an internal call is terminated **[North America Only]**	0 1◀	To send (Calling Party Name is sent) Not sent (Calling Party Number is sent)
	NOTE: *This data is effective only when the 2nd data of CM12 Y=20 is set to 1.*		
525	Sending Switch Hook Flash for Adjunct Analog System	0 1◀	To send Not sent
527	Provide the system with the voice communication between ISDN telephone group and Single Line Telephone/Multiline Terminal within the system	0 1◀	To provide Not provided
530	Restriction of Intra-office Connection (CM63 Y=1) for Call Forwarding Setting from station	0 1◀	Available (Restrict by CM63 Y=1) Not available
	NOTE: *This data is intended for access codes assigned by CM20 Y=0-3: A010, A012, A014, A016, A189 and A241.*		
534	System operation after the C.O./Tie line (via TRK-B) is completed when a station that has a C.O./Tie line call (via TRK-A) on consultation hold is talking with another C.O./Tie line call (via TRK-B)	0 1◀	Return to the original call (via TRK-A) ROT
538	Duration of displaying the destination information (called number/name) indicated on the Multiline Terminal/DESKCON when the outgoing call is answered by the destination (except CCIS) **NOTE:** *Set this data by CM08>580 when making a call via CCIS.*	0 1◀	Until call is finished 6 seconds
539	Whether the Caller ID is displayed on the LCD of DESKCON before answering a C.O. call. **NOTE:** *This data is effective only when terminating a C.O. call to the C.O. Incoming Call 0 (CM90 Y=00: F6000) key of DESKCON.*	0 1◀	To display Not displayed

Continued on next page

COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
542	Type of Camp-On from DESKCON	0 1◀	Semi-Automatic Camp-On Automatic Camp-On
543	Whether the step call is to be restricted or not	0 1◀	Restricted Allow
548	Selection of the Guest information displayed on an administrative station (Multiline Terminal/Attendant Console) for 8 characters display in left-side on upper line of LCD (Related Command: CM08>549)	0 1◀	Display PMS information A/B Display VIP/language
	NOTE: *Set this data to the office which accommodates the terminal to display the Guest information.*		
549	Whether the PMS information for 8 characters display in left-side on upper line of LCD is to be displayed on Attendant Console or not (Related Command: CM08>548)	0 1◀	Display information assigned by CM08>548 Not displayed
	NOTE: *Set this data to the office which accommodates the terminal to display the Guest information.*		
553	Inquiry Dial Tone sent to a station makes SHF on Consultation Hold **[For EMEA]**	0 1◀	DT SPDT
557	Operation of Group Feature Key on Multiline Terminal when an incoming call/holding call cannot be seized with My line because it is used by the other Multiline Terminal on multiline	0 1◀	Group Feature Key is available by seizing Sub line Group Feature Key is unavailable
558	Group Feature Key on Multiline Terminal with Line Preselection function	0 1◀	To provide Not provided
	NOTE: *Set the second data of CM08>199 to 0 when the second data of this command is set to 0.*		
560	Action of monitoring station after the hold/hooking key is pressed in the monitored station or the monitored station becomes idle	0 1◀	Keep monitoring Stop monitoring
563	Information to display on the middle line of the Multiline Terminal/DESKCON LCD when forwarding a trunk call to the Multiline Terminal/DESKCON by Call Forwarding-All Calls/No Answer/Busy Line/Not Available	0 1◀	Forwarding station name Caller ID (Calling number/Calling name)
564	Display the first forwarding station number via CCIS or the second forwarding station number of own office on LCD of forwarding destination Multiline Terminal	0 1◀	The first forwarding number via CCIS The second forwarding number of own office

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COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
567	Automatic Idle Return in case the PBR time out occurs after the Redial/Speaker key is pressed with the Multiline Terminal in on-hook condition	0 1◀	Not available Available
	NOTE: *This command is effective only when CM08>172/CM12 Y=85 is set to "1".*		
570	Whether the Single Digit Feature Access Code is fixed or not	0 1◀	Programmable Access Code assigned by CM20 Y=4, 5 Fixed Access Code
576	Attendant/Station Night Transfer when a station/trunk call is terminated to Attendant Position/station that Night mode is set	0 1◀	To provide Not provided
577	Changing the ringing tone depend on Day Mode/Night Mode Change	0 1◀	To provide Not provided
578	Use of Record key assigned by CM90 Y=00: F5026 for Voice Mail Live Record-CCIS	0 1◀	Used as Record key and End key Used as Record key
579	Sending of confirmation tone from VMS to the calling and called party while Voice Mail Live Record-CCIS is executed	0 1◀	To send Not sent
580	Duration of displaying the caller information (calling number/ name) indicated on Multiline Terminal/DESKCON when the incoming call is answered (effective for all trunks)	0 1◀	6 seconds Until call is finished
	NOTE: *When making a call via CCIS, the duration of displaying the destination information when the outgoing call is answered, is selected by this command.*		
583	Whether the calling number is automatically stored or not for the station call via CCIS	0 1◀	To store Not stored
584	Caller ID sent to ISDN telephone when terminating a call from Single Line Telephone/Multiline Terminal to ISDN telephone	0 1◀	Calling number assigned by CM12 Y=12, 13/CM50 Y=05 Originating station number
585	Whether the service which is set to a group member station is effective when the group members are called by Group Feature Key	0 1◀	Effective Ineffective
	NOTE: *When the second data of CM08>585 is set to 0, the following services are effective.* *Call Forwarding-All Calls/Split Call Forwarding-All Calls/Call Forwarding-All Calls of Mobility Access/Do Not Disturb/Transfer the call to station set Do Not Disturb (CM51 Y=10)/Call Forwarding-Logout*		

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COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
588	CID Call Back when an incoming call is forwarded, Busy, Unanswered or in Do Not Disturb.	0 1◀	To provide Not provided
	NOTE: *CID Call back by this command is available under the following conditions.* • *The Multiline Terminal station is set to Call Forwarding-All Calls/Call Forwarding-Busy Line/Call Forwarding-No answer/Call Forwarding-IP Station logout.* • *The Multiline Terminal station is set to Do Not Disturb when a trunk call is terminated.* • *The Multiline Terminal station received the incoming call is busy.*		
591	Extension state (Idle/Busy) is displayed immediately to Busy lamp Field on DESKCON	0 1◀	To display Not displayed
592	Setting of the Caller ID information sending format (RESET)	0 1◀	CCITT V.23 modem (Data Format: ETSI) Bell 202 modem
	NOTE: *A system reset is required after setting this command.*		
593	Call termination to My Line while the station user makes a call with a Sub line or a trunk line on a Multiline Terminal	0 1◀	To activate the service (Call Forwarding/Station Hunting) that set an incoming call As per CM08>268 (the calling station hears RBT, or performs a Voice Call)
594	The LED of Attendant LOOP-Key for Camp-on recall (for IAC)	0 1◀	Flashing red in short interval Flash red
595	Select Momentary Open (Related command: CM13 Y=22, CM41 Y=1>21)	0 1◀	Reversal Disconnect
599	Part lowercase letter from capital letter when searching name by Dial by Name	0 1◀	To part Not parted

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COMMAND CODE	TITLE:
08	BASIC SERVICES

BASIC SERVICE: 600-685

◀: Default

BASIC SERVICE		SETTING DATA	
600	Selection of trunk route seized for Call Forwarding-All Calls/ Busy Line/No Answer-Outside, Split Call Forwarding-All Calls/Busy Line/No Answer-Outside	0 1◀	By calling party's tenant/terminating trunk's tenant By Call Forwarding setting station's tenant
602	Reset of Queue Limit counter for TAS per tenant	0 1◀	Not provided To provide
603	Send calling station or calling party number to the analog telephone for Caller ID-Station when an incoming call is terminated via CCIS/SIP Trunk.	0 1◀	To provide Not provided
	NOTE: *The sending of a calling station number to the analog telephone for Caller ID-Station is effective when CM08>507 is set to 1.*		
606	Link Reconnect-CCIS	0 1◀	Not provided To provide
607	Reconnect the CCIS link when a call is connected to UCD Delay Announcement (for incoming trunk call) via CCIS	0 1◀	To provide Not provided
608	Call Forwarding type when an incoming call terminates via CCIS	0 1◀	As per CM65 Y=37/38/39 As per CM65 Y=23/24/25
624	Alternative Routing when lack of VoIPDB channel in tandem office	0 1◀	To provide (CGC sending) Not provided (CFL sending)
626	In ETSI ISDN Overlap Receiving, whether the system connects to the calling party when the system does not receive the following DID number within the time set by CM41 Y=0>109, after the first DID number of the calling party is received **[For EMEA]**	0 1◀	Not connected To connect
627	In ETSI ISDN Overlap Receiving, whether the system connects to the calling party when the DID number of digits received from ISDN is more than the maximum number of digits assigned by CM85 Y=0-7 **[For EMEA]**	0 1◀	Not connected To connect
628	Link Reconnect-Peer-to-peer CCIS	0 1◀	Not provided To provide
	NOTE: *This command is effective when CM08>606 is set to 1.*		

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COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
629	Connected line number indication on DESKCON display in ETSI ISDN Connected Line Identification Presentation (COLP) **[For EMEA]**	0 1◀	Not provided To provide
633	Trunk access code display when a call terminates via ETSI ISDN **[For EMEA]**	0 1◀	Available Not available
644	ETSI ISDN Overlap Sending **[For EMEA]** BLADE RESET	0 1◀	To provide Not provided
649	Ringing cadence on SIP trunk DID call assigned by CM76 Y=22, 23/CM35 Y=033, 034	0 1◀	To provide Not provided
655	Operation when the PBR/T302 time out occurs **[Russia Only]**	0 1◀	Stop connecting Keep connecting
664	Operation of hooking/call holding after a station receives warning SST for forced disconnection	0 1◀	Allow Restricted
665	Shift from the communication between station and Trunk to Three Way Calling (Conference [Three/Four Party]) with the Timer for forced disconnection is in progress	0 1◀	Allow Restricted
666	Alternative Routing when no answer timer of outgoing call (T1 timer) time-out occurs in tandem connection (CCIS to CCIS)	0 1◀	To provide (CGC sending) Not provided (CFL sending)
669	Sending the station status type to the destination office when the Multiline Terminal/DESKCON calls a station set the DND over CCIS	0 1◀	To send DND setting To send the restriction
672	Releasing the path by RTP monitoring via IPT (P2P CCIS/SIP trunk)	0 1◀	To provide Not provided
675	Selecting the mailbox number to hear a message when the Play key for Voice Mail Live Record-CCIS is pressed while seizing a sub line	0 1◀	Mailbox number for My Line Mailbox number for Sub Line
676	Output message which is sent from PBX to ISDN network when the 2nd line is released by Mobility Access hooking	0 1◀	As per CM08>677 CALL PROC + DISC

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COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
677	Output message which is sent from PBX to ISDN network when the 2nd line is released by Mobility Access hooking **NOTE:** *This data is effective only when the 2nd data of CM08>676 is set to 0.*	0 1◀	CALL PROC + ALERT + DISC CALL PROC + ALERT + CONNECT + DISC
685	Send DTMF signals to the other office station/trunk when the connection between DT700/DT800/DT900 Series via IPT (P2P CCIS) and other office station/trunk is established.	0 1◀	To send Not sent
	NOTE: *When the second data is set to 0 (To send), one of RTP channels on a VoIP blade on the originating office side is occupied.*		

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COMMAND CODE	TITLE:
08	BASIC SERVICES

BASIC SERVICE: 702-739

◀: Default

BASIC SERVICE		SETTING DATA	
702	Ringing signal/Live Record Start signal which includes caller information (such as station number and kind of calling party) is sent to VMS **NOTE:** *Set the second data to "0" to enable Voice Mail Live Record-CCIS.*	0 1◀	To send Not sent
703	Ringing signal/Live Record Start signal which includes calling/forwarding party information (such as station number and kind of calling party) of opposite office is sent to VMS, when a call is terminated to VMS via CCIS **NOTE:** *2nd data=0 is effective only when CM08>379: 1.*	0 1◀	To send Not sent
704	The following signal is sent to VMS • Busy signal When the VMS forwards a call to a station/trunk and the station/trunk is busy • Answer signal When the VMS forwards a call to a station/trunk and the station/trunk answers • Release signal When a station/trunk hangs up while accessing the VMS **NOTE:** *Set the second data to "0" to enable Voice Mail Live Record-CCIS.*	0 1◀	To send Not sent
705	Remote Hold from DESKCON **[North America Only]**	0 1◀	Available Not available
706	MW lamp control on a station of opposite office from VMS via CCIS **NOTE:** *2nd data=0 is effective only when CM08>702: 0 and CM08>703: 0.*	0 1◀	Available Not available
708	Number of digits for station number in MCI message format sent to VMS from CPU RS-232C port	0 1◀	6 digits 8 digits
709	MCI message format sent to VMS from CPU RS-232C port	0 1◀	Format with ANI Format without ANI
710	Whether to link with a VMS soft key feature (CM13 Y=37)/expand AAINFO (CM08>702)	0 1◀	Only as per CM13 Y=37/CM08>702 As per CM13 Y=37/CM08>702 and expansion information sent to VMS

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COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
713	Station number sent to VMS when accessing VMS from a sub-line assigned on Multiline Terminal	0 1◀	Subline station number My Line station number
722	Relaying of expanded information on Low Layer Compatibility (LLC) information element for connection between ISDN telephone/ISDN trunks	0 1◀	Allow Restricted
728	Sending Service Set Tone to participants when a new participant attends the conference	0 1◀	Not sent To send
731	Calling number information sent to the In-Skin Voice Mail	0 1◀	Caller on hold Operator
732	Sending of SST to a paging station (PGD(2)-U10) when a speaker paging is seized	0 1◀	To send Not sent
733	Activation of In-Skin UMS blade in Remote Unit	0 1◀	Allow Restricted
736	Meaning of Parameter type 3 in Multiple Data Frame Message Format for Caller ID **[For Asia]**	0 1◀	Called Number Calling Number
	NOTE: *When the called Number is sent from the PSTN, set the second data to 0.*		
739	Level diagram setting (System)	0 1◀	Old Pattern Standard Pattern
	NOTE 1: *According to the setting of this data, PAD/Echo Canceller Control shall be operated as below.* *Standard Pattern : To be operated with the settings of CM68 Y=01 or after.* *Old Pattern : To be operated with the settings of CM0B/CM35/CM36/CM42/CM67.* **NOTE 2:** *It is recommended that this data is set to 1 (Standard Pattern).* *For details, see Appendix B "LEVEL DIAGRAM SETTING FOR SYSTEM".* ☞ *Page B-1*		

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COMMAND CODE	TITLE:
08	BASIC SERVICES

BASIC SERVICE: 801-898

◀: Default

BASIC SERVICE		SETTING DATA	
801	Send Office Number to Center Office for Centralized Billing-CCIS **NOTE:** *When the network adopts Open Numbering Plan, set the office number by CMA7 Y=06.* *When the network adopts Closed Numbering Plan, set the office number by CMA7 Y=07.* See CMA7 Y=06, 07	0 1◀	To send Not sent
803	Built-in SMDR on CPU output for tandem calls, divided into terminating trunk and originating trunk	0 1◀	To provided Not provided (Originating trunk only)
804	Type of terminal for OAI SMFN	0 1◀	Single Line Telephone Not used
805	OAI SMFN STS (Status) when the forwarded call with Call Forwarding-No Answer is terminated to a station (SMFN FID=3/1)	0 1◀	SMFN STS=5/6 SMFN STS=1
808	OAI SMFN STS (status) when a station answers the forwarded call with Call Forwarding-All Calls/Busy Line/No Answer (SMFN FID=2)	0 1◀	SMFN STS=5/6/7 SMFN STS=0
809	Select trunk when Answer Call	0 1◀	Not available Available
811	OAI SMFN STS (status) when the forwarded call with Call Forwarding-All Calls/Busy Line is terminated to a station (SMFN FID=1)	0 1◀	SMFN STS=4/5 SMFN STS=1
815	Send OAI SMFN when Recall Exclusive Hold **[For EMEA]**	0 1◀	To send Not sent
816	The line/trunk engaged in communication with the 2nd party is set in 3rd party line 1 of OAI SMFN STS (status) 1-0 when a call terminates for Conversation Monitoring (FID=6)/Call Conferencing (FID=8)	0 1◀	To provide Not provided
	The line/trunk engaged in communication with the 2nd party is set in 3rd party line 2 of OAI SMFN STS (status) 2-0/2-1 when a call for Conversation Monitoring (FID=6) is answered		

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COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
817	OAI SMFN STS (status) when the forwarded call with Call Forwarding-All Calls/Busy Line/No Answer is terminated to a station via CCIS (SMFN FID=1)	0 1◀	SMFN STS=4/5/6 SMFN STS=0
	OAI SMFN STS (status) when a station answers via CCIS the forwarded call with Call Forwarding-All Calls/Busy Line/No Answer (SMFN FID=2)	0 1◀	SMFN STS=5/6/7 SMFN STS=0
818	Send OAI SMFN when Exclusive Hold **[For EMEA]**	0 1◀	To send Not sent
820	Display of the monetary unit for ISDN call charge	0 1◀	Monetary unit is not displayed As per CM04 Y=00>00
	NOTE: *When the second data is set to 1 and CM04 Y=00>00 is set to 01-31, $ is displayed.* *Set this command for the area where the monetary unit is not displayed (where the dollar unit is not used).*		
823	SMDR service for incoming calls of each station assigned by CM13 Y=05 **NOTE:** *To provide SMDR for abandoned incoming calls, assign second data of CM08>823 to 0 (Ineffective).*	0 1◀	Ineffective Effective
824	DID Development Table for guest station	0 1◀	Development Table 1 for DID number assigned by CM76 Y=90 Development Table 0 for DID number assigned by CM76 Y=00
	NOTE: *Set the second data the same as the DID Development Table number assigned by CM35 Y=170.*		
825	Number of digits for a sequence used to communicate with the PMS	0 1◀	3 digits (000-199) 2 digits (00-99)
826	Timing that the system sends a recovery process request to the PMS on IP	0 1◀	At every connection establishment At the first connection establishment only since system reset
827	Parity check for Built-in SMDR on IP	0 1◀	None parity Parity as for CM08>828
828	Kind of parity for Built-in SMDR on IP	0 1◀	Odd parity Even parity

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COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
830	Kind of Center Office for Centralized Billing-CCIS	0 1◀	SV8300/SV9300 2400 IPX
	NOTE 1: *Set this data to the Local Office of the Centralized Billing-CCIS. This data setting is not required for Center Office.* **NOTE 2:** *This data is available in NEAX 2400 IMS Extended Format. (Related Command: CM04 Y=01>07)*		
833	Whether to send SMDR output of abandoned incoming call when no answer is received	0 1◀	Not sent To send
835	Printing of each hotel feature record with the printer	0 1◀	To allow Not allowed
836	System clock used for the SMDR output of outgoing/incoming call	0 1◀	System clock of unit that the seized trunk is accommodated (for outgoing call)/System clock of unit that the terminated trunk is accommodated (for outgoing call) System clock of Main Unit
837	System clock used for the SMDR output of station-to-station call	0 1◀	System clock of the unit that the seized trunk/calling station is accommodated System clock of Main Unit
838	Tenant No. of built-in SMDR output	0 1◀	01H fixed Tenant No. of CM12 Y=04/CM30 Y=01
839	Sending of OAI SMFN with intermediate information via OAI queue	0 1◀	To send Not sent
840	Send OAI SMFN when setting CAMP ON of OAI SMFN FID=1 STS (status)=8 and when answering by pressing Answer Key from the set PBX of OAI SMFN FID=2 STS (status)=8	0 1◀	To send Not sent
841	Advice of Charge (AOC) information is sent to PMS **[Australia/France/Germany/Netherlands/Italy/Greece/ Luxembourg/Portugal/Spain/Sweden]**	0 1◀	To send (dollar/euro charge) Not sent (call unit)
	NOTE 1: *To send AOC to PMS, set the data as follows.* *CM08>841: 0, CM08>404: 1, CM42>69, 70* **NOTE 2:** *To send call unit to PMS, set the data as follows.* *CM08>841: 1, CM08>404: 1*		

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COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
843	Operation for OAI SCF17 (Switch Call) when calling A (STA) - B (STA/TRK) goes to C (STA/TRK) released **[For EMEA]**	0 1◀	R.R (A (STA): ROT, B (STA): HOLD) R.E
845	Operation for hooking when calling STA (Station HOLD) - TRK goes to incoming TRK released **[For EMEA]**	0 1◀	Return to station call ROT
846	Setting CAMP ON to the destination when Call Forwarding-All Calls is set by SCF FID=19	0 1◀	To set Not set
847	Send OAI SMFN when setting CAMP ON of OAI SMFN FID=6 STS (status)=3 for the Call Hold status	0 1◀	To send Not sent
848	Whether to send SMDR output of abandoned incoming call when an internal call is terminated from a trunk and the station/trunk is busy	0 1◀	To send Not sent
849	Selection of calling party information for SMDR when the station call or incoming call to the virtual station (CM11) is transferred by Call Forwarding-All Calls/Busy Line/No Answer-Outside	0 1◀	Virtual station (CM11) Calling Station or Trunk
	NOTE: *When the second data of CM08>849 is set to 1, originating station number/incoming trunk number is sent to SMDR.*		
850	Operation for Wake Up Call setting over the limitation assigned by CM42>181	0 1◀	Set it to one minute ahead Restricted
	NOTE: *If one minute ahead also exceeds the limitation on the number of Wake Up Call, it is set to one more minute ahead. If the attempt cannot be set up to 10 minutes.*		
851	Send OAI SMFN STS (status) 3-9/3-10 when a call in OAI queuing is ACD/UCD	0 1◀	To send Not sent
852	Whether to send SMDR output of abandoned outgoing call	0 1◀	To send Not sent
856	Setting of a line feed code for external printer	0 1◀	CR CR/LF
857	Printing the record of Automatic Wake Up for an individual station set/cancel from a Front console/Hotel console/DSS console/PMS/Attendant console	0 1◀	Not available Available

Continued on next page

COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
859	Printing the record of Automatic Wake Up for an individual station execution	0 1◀	Not available Available
860	Printing way of Automatic Wake Up for an individual station execution **NOTE:** *When the second data is set to 0, the record of RING ON/STATION BUSY/CONNECTION BLOCK is also printed with ANSWER/NO ANSWER.*	0 1◀	To print process and result To print only result
861	Printing the record of Do Not Disturb set/cancel from an individual station	0 1◀	Not available Available
862	Printing the record of Do Not Disturb for an individual station set/cancel from a Front console/Hotel console/DSS console/PMS/Attendant console	0 1◀	Not available Available
863	Printing the record of Room Cutoff for an individual station set/cancel from a Front console/Hotel console/DSS console/PMS/Attendant console	0 1◀	Not available Available
865	Printing the record of Message Waiting set/cancel from a Front console/Hotel console/DSS console/PMS/Attendant console	0 1◀	Not available Available
866	Printing of Room Status Code Record	0 1◀	Not available Available
867	Printing the record of Check In/Check In cancel, Check Out/Check Out cancel	0 1◀	Not available Available
868	Printing the record when the PMS is connected/disconnected to/from the system	0 1◀	Not available Available
877	Whether to send the access code calling information to PMS	0 1◀	To send Not sent
878	Printing the record of Automatic Wake Up set/cancel from an individual station	0 1◀	Not available Available
881	Method of call charge for ISDN calls	0 1◀	Information from ISDN network Built-in charge on CPU
888	Setting of number of sending digits for printer	0 1◀	Printer for 80 digits Printer for 20 digits
890	Whether to provide ACC/AUTH for Station Individual Call Record Print/Immediate Printout Call Record	0 1◀	To provide Not provided

Continued on next page

COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
893	Setting of decimals for Call charge	0 1◀	Raise decimals to the next whole number Not raised
894	Replaying a Wake up call in English after replaying the first Wake up call	0 1◀	Available Not available
895	Printout of language information from Hotel Printer, when set language indicated number from Hotel Console	0 1◀	Not available Available
897	Incoming/Outgoing Calls while the system is out of service	0 1◀	Available Not available
898	Assign the relay when using a Paging on Call Forwarding	0 1◀	To operate the relay specified by the intervening station To operate the relay of PGD(2)-U10 Station (to use a Paging)
	NOTE: *This data is effective only when the intervening station is a Virtual Line Station.*		

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COMMAND CODE	TITLE:
08	BASIC SERVICES

BASIC SERVICE: 911-921

◀: Default

BASIC SERVICE		SETTING DATA	
911	Layout of the keys for CAT mode	0 1◀	Old layout Standard layout
	NOTE 1: *Refer to CAT key assignment on "CAT KEY FUNCTIONS".* ☞ *Page 1-3* **NOTE 2:** *When a DT300/DT400/DT700/DT800 Series DESI-less, DT900 Series (Self-Labeling) and DT750 is used, CAT key assignment can be performed only on Standard layout.*		
912	Select external relay control for MJ alarm	0 1◀	When MJ alarm occurs the relay is OFF, when MJ alarm is nothing the relay is ON When MJ alarm occurs the relay is ON, when MJ alarm is nothing the relay is OFF
920	Checking of Blade Lockup	0 1◀	Not available Available
921	Auto Blade Reset by Blade Lockup	0 1◀	Not available Available
	NOTE: *This data is effective only when CM08>920: 1 is set.*		

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COMMAND CODE	TITLE:
08	BASIC SERVICES

BASIC SERVICE: 1000-1067

◀: Default

BASIC SERVICE		SETTING DATA	
1000	Operation of Recall key when a station receives SPDT after hooking	0 1◀	Recall key is not available Return to the original call
1001	Transfer a trunk line placed in Consultation Hold by Recall Key (Hold Transfer)	0 1◀	Available (Hold Transfer) Not available (Recall)
1004	DT700/DT800/DT900/SP350 RTP warning tone	0 1◀	Not sent To send
1006	When connection failure between SV9300 and DT700/DT800/DT900/SP350, the call is disconnected or continued	0 1◀	To disconnect To continue
	NOTE: *DT700/DT800/DT900/SP350 has Keeping Call function and can continue the call until the terminal goes on-hook even when SV9300 is reset, as long as they are in station-to-station calling (peer-to-peer) within same system. For the calls connected via VoIP, however, the voice is interrupted at system reset, and this situation will continue until on-hook. When the Keeping Call function of DT700/DT800/DT900 is set to ineffective, the stations are forcibly reset after 3 minutes elapsed from SV9300 reset.*		
1007	Hold tone select for Standard SIP station	0 1◀	Hold Tone Source on Standard SIP station Hold Tone Source on CPU blade (selected by CM48)
	NOTE 1: *When External Hold Tone is assigned by CM48 Y=0/CM64 Y=1, External Hold Tone is set for Standard SIP station regardless of this data.* **NOTE 2:** *CM08>1007 is effective when CM13 Y=74 is set to 1.*		
1008	Tenant No. for calling from DESKCON	0 1◀	Tenant No. for each DESKCON (assigned by CM60 Y=35) The lowest tenant No. of station tenants for each ATT group (assigned by CM62)
	NOTE: *If tenant No. for DESKCON (assigned by CM60 Y=35) is not assigned, tenant No. for calling from DESKCON is set to the lowest tenant No. of station tenants for each ATT group (assigned by CM62) when this data is set to "0".*		
1012	Display Caller ID to my line same as sub line when Automatic Caller ID to sub line by CM15 Y=224/225 is available	0 1◀	Available Not available
	NOTE: *When the second data of this command is set to 0 (Available), the second data of CM13 Y=69 must also be set to 0 (To provide) for My Line.*		

Continued on next page

COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
1014	Select the function to override by preset Station dialing/Programmable key on a Multiline terminal	0 1◀	Do Not Disturb (DND), Call Forwarding-All Calls Do Not Disturb (DND)
	NOTE: *Preset Station dialing/Programmable key means that the station number is dialed after setting Do Not Disturb-Override/Call Forwarding-All calls override by Access code/Programmable key.*		
1017	Select the function to call for Mobility Access station (Dual Ringing ON) when Mobility Access station or Mobile Phone is busy	0 1◀	Calling an idle station Hearing Busy Tone
1019	Icon display on DT330/DT430/DT530/DT730/DT750/DT830/DT930	0 1◀	Not displayed To display
1023	Whether to provide Continuous Live Record when Call Hold or Call Transfer is operated during recording	0 1◀	To provide Not provided
1026	Selection of Mobility Access mode	0 1◀	Station Base Trunk Base
	NOTE: *When using station service from mobile phone or Enblock Dialing Method (for Forced On PBX), set this data to 0 (Station base).*		
1028	Operation for when a mobile phone does a hooking from consultation hold	0 1◀	Three Party Conference Broker's Call
1029	Operation for when call back to Mobility Access station	0 1◀	Mobility Access station and mobile phone Mobility Access station
1030	Whether to transmit the caller ID of the call originator when an Attendant Console holds the trunk incoming call and transfer it to the trunk	0 1◀	To transmit Not transmitted
	NOTE 1: *This data is effective when CM65 Y=306 is set to 0 or CMBA Y=44 is set to 01/15.* **NOTE 2:** *When an intermediate station is Attendant Console, set CM15 Y=409 (Whether to transmit the caller ID of the call originator when an intermediate station holds the trunk incoming call and transfer it to the trunk).*		
1035	Kind of Tone when a service is set by a feature access code from Standard SIP station.	0 1◀	Hearing RBT Service Set Tone (SST)

Continued on next page

COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
1036	Music on Hold External for DT700/DT800/DT900 Series Terminal	0 1◀	Not available Available
	NOTE: *When the second data is set to 1 (available), the Hold Tone source on the terminal side will be heard.*		
1041	Change Power ON/OFF for Multiline Terminal Power Saving from Attendant	0 1◀	To provide Not provided
1042	Function set/reset operation in idle status for Multiline Terminal	0 1◀	Not available Available
1046	Setting of feature access code by Overlap Sending from Standard SIP station **[9300V3]**	0 1◀	Not available Available
	NOTE: *This command is valid only when the second data of CM08>1035 is set to 1 (SST).*		
1047	Operation when Standard SIP station is holding the other call goes on-hook while originating a call or in a call **[9300V3]** See CM13 Y=93	0 1◀	As per CM13 Y=93 Hold Transfer
1051	Calling my station when dialing from User Web Portal **[9300V4]**	0 1◀	Not available (Automatic dial by handsfree) Available (Response to call)
	NOTE: *This command is effective only for Multiline Terminals and Soft Phone.*		
1052	Single digit dialing (1-9) for switch hook flash (DP telephone) **[9300V3 STEP2]**	0 1◀	Available Not available
	NOTE: *By setting the second data of this command to 0 (Available), hooking is enabled by dialing operation of "1" to "9" from a DP telephone.*		
1053	Storage of the call record when answering DID Call Waiting **[9300V4]**	0 1◀	Not stored To store
	NOTE: *When setting the second data of this command to 1 (To store), this command is effective when the second data of CM13 Y=60 and CM35 Y=150 is set to 0 (To store).*		

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COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

	BASIC SERVICE	SETTING DATA	
1054	Copy key data of Multiline Terminal by station dialing for different tenants (Related Command: CM20 Y=0-3: A277) **[9300V4]**	0 1◀	Allow Restricted (Only same tenant stations are allowed)
	NOTE: *When the second data is set to 0 and Multiline Terminal key assignment between different tenants is copied, tenant numbers assigned by CM12 Y=04 are also copied with Multiline Terminal key assignment.*		
1055	System operation when the station, after holding the other trunk (Trunk-A), has made a switch hook flash while talking with another trunk (Trunk-B) **[9300V5]** See CM35 Y=148	0 1◀	The call with Trunk-A is disconnected, and returns to Trunk-B As per CM35 Y=148
1056	System operation when the station, after holding call, has made a switch hook flash while talking with another call **[9300V5]** See CM08>102, 103, 1055, CM12 Y=87	0 1◀	As per CM12 Y=87 As per CM08>102/CM08>103/CM08>1055
1057	One-Touch Group Messaging Tone **[9300V5]** See CM90 Y=00, 14	0 1◀	Not sent To send
1058	Call Forwarding-All Calls in Case of One-Touch Group Messaging **[9300V5]**	0 1◀	Available Not Available
	NOTE: *This feature is valid only when the forwarding destination is a station.*		
1062	Brute-force Login Attempt Protection **[9300V7]** See CM42>220, 221	0 1◀	Available Not Available
	NOTE 1: *This command is effective only for Standard SIP station.* **NOTE 2:** *To enable this feature, be sure to set CM1D Y=32:15.*		
1067	To display kind of trunk route when an incoming call without CLI is terminated to the subline of Multiline Terminal **[9300V7]** See CM13 Y=69	0 1◀	Displayed Not displayed
	NOTE 1: *This data is available from 9300V7 (V7.2.0) software or later.* **NOTE 2:** *Depending on the kind of trunk route assigned by CM35 Y=000, "DDD" or "TIE" is displayed on the LCD of the terminal.*		

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COMMAND CODE	TITLE:
08	BASIC SERVICES

BASIC SERVICE: 1200-1243

◀: Default

BASIC SERVICE		SETTING DATA	
1200	Send ANI signal to PSTN on DOD MFC call	0 1◀	To send Not sent
	NOTE: *For Brazil, set this command to "0".*		
1201	Sender Tone sending on DOD MFC call	0 1◀	Not sent To send
1202	Selection of reference to Caller ID when an incoming call is received to SIP trunk and "anonymous" is set to From header Displayname field or Username field (Related Command: CMBA Y=126/CMBA Y=170)	0 1◀	As per CMBA Y=170 (9300V4 or later)/As per CMBA Y=126 (9300V3 STEP2 or before) Caller ID is not informed
1203	Selection of ringing cadence when calling from trunk to CCIS tandem office	0 1◀	As per CM35 Y=000 As per CM35 Y=033
	NOTE 1: *Set this command when the destination terminal is Multiline Terminal or Single Line Telephone.* **NOTE 2:** *Set CM08>138 to "0" and CM08>1203 to "0" for CCIS tandem office when the ringing signal from trunk and via CCIS tandem office are the same.*		
1205	Selection of trunk route seized for Mobility Access	0 1◀	By calling party's tenant/terminating trunk's tenant By Mobility Access station's tenant
1207	Restriction of call termination for incoming trunk call with no CLI (Related command: CM76 Y=42, CM35 Y=303)	0 1◀	Restricted Allow
	NOTE: *This command is valid when the second data of CM76 Y=42 is set to 0 or the second data of Y=303 is set to 0.*		
1209	Ringing cadence on incoming CCIS call by CM35 Y=033 and 034	0 1◀	To provide Not provided
1210	Access Code to be added to the calling party number when incoming call from C.O. (This assignment is required to call back from the analog telephone for Caller ID-Station)	0 1◀	To provide Not provided
1214	Tone when congestion response is received from SIP network	0 1◀	Congestion Tone ROT

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COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
1220	Caller ID method for SIP Trunk ☞ Page 3-600	0 1◀	Old method (As per CM8A Y=5XXX>176/CMBA Y=44) New method (As per CM8A Y=5XXX>186/CMBA Y=160)
	NOTE: *When using the same Caller ID method as that of SV8300, set the second data to "0".*		
1231	System operation after receiving an unsupported response message by SIP trunk **[9300V3 STEP2]**	0 1◀	Disconnect call Ignore the response
1232	Calling Number display when an incoming call is terminated to the Multiline Terminal with TAS (Related Command: CM15 Y=225/CM57 Y=30) **[9300V4]**	0 1◀	Display to all of the Multiline Terminals in the Tenant Display to the Multiline Terminals assigned by CM57 Y=30
1233	Reason of the rejection by Malicious Call Block for incoming call from ISDN trunk **[9300V4]**	0 1◀	Busy Line Reject the call
1235	Interval of SLT/Multiline Terminal ringing tone for Called Party Subaddress received from ISDN Indial trunk.	0 1◀	As per CM35 Y=033 As per CM76 Y=70
1236	Multiline Terminal Ringer Tone Pattern for Called Party Subaddress received from ISDN Indial trunk.	0 1◀	As per CM35 Y=034/164 As per CM76 Y=71
1237	Sending of External Hold Tone via IPT (P2P CCIS) **[9300V5]**	0 1◀	Available Not Available
	NOTE: *When the Pin Jack on the CPU blade is used to connect the External Hold Tone source, if the second data is set to "1 (Not Available)," the Music On Hold setting in the opposite office will be used.*		
1238	Dual Hold via IPT (P2P CCIS) **[9300V5]**	0 1◀	Restricted Allowed
	NOTE: *To send External Hold Tone to 2400 IPX through IPT (P2P CCIS), set the second data to "0."*		

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COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
1242	Caller ID sent to SIP trunk, when a call is terminated from a trunk to a station and forwarded to SIP trunk by Call Forwarding-All Calls /Busy Line/No Answer/Logout features **[9300V7]**	0 1◀	SIP subscriber number of Station (forwarding station) Caller ID notified from incoming trunk or Representative Number
	NOTE 1: *When the second data of this command is set to "0", the Caller ID sent to the SIP trunk is as follows.* *- For a new method (assigned by CM08>1220>1): SIP subscriber numbers 1-4 assigned by CM8A Y=5XXX>186: 01-04 are sent.* *- For an old method (assigned by CM08>1220>0): SIP subscriber numbers 1-2 assigned by CM8A Y=5XXX>176: 01-02 are sent.* **NOTE 2:** *When the second data of this command is set to "1", the Caller ID sent to SIP trunk depends on the settings of CM08>1220 and CMBA Y=160, or CM08>1220 and CMBA Y=44.*		
1243	Caller ID sent to SIP trunk, when a call is originated from Station A to Station B and forwarded to SIP trunk by Call Forwarding-All Calls /Busy Line/No Answer/Logout features **[9300V7]**	0 1◀	SIP subscriber number of Station (forwarding station) SIP subscriber number of Station A (originating station) or Representative Number
	NOTE 1: *When the second data of this command is set to "0", the Caller ID sent to the SIP trunk is as follows.* *- For a new method (assigned by CM08>1220>1): SIP subscriber numbers 1-4 assigned by CM8A Y=5XXX>186: 01-04 are sent.* *- For an old method (assigned by CM08>1220>0): SIP subscriber numbers 1-2 assigned by CM8A Y=5XXX>176: 01-02 are sent.* **NOTE 2:** *When the second data of this command is set to "1", the Caller ID sent to SIP trunk depends on the settings of CM08>1220 and CM8A Y=5XXX>186, or CM08>1220 and CM8A Y=5XXX>176.*		

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COMMAND CODE	TITLE:
08	BASIC SERVICES

BASIC SERVICE: 1400-1423

◀: Default

BASIC SERVICE		SETTING DATA	
1400	Speech Synthesis language feature for Do Not Disturb/Return Message Schedule Display	0 1◀	Allow Restricted
1401	Speech Synthesis Service language feature for Room Cutoff	0 1◀	Allow Restricted
1402	Edit IEI=7BH (Call appearance) on SETUP message **[North America Only]**	0 1◀	Not available Available
1404	Count method for the abandoned calls to UCD Group (CMB3 Y=3)	0 1◀	To count number of abandoned calls to UCD Group after queuing mode waiting calls To count number of abandoned calls to UCD Group after predetermined time (CM41 Y=0>16, 167) in queuing mode waiting calls
1406	Mask indication (*) for the In-Skin Voice Mail entry	0 1◀	Display Not Displayed
1407	Select UCD Delay Announcement for Station call	0 1◀	Use VRS for Incoming trunk call Use VRS for Station call
	NOTE 1: *When the second data is set to 0 (Use VRS for Incoming trunk call), VRS assigned by CM49 Y=00: 0B0XX (First Announcement of ACD/UCD Delay Announcement (for Incoming trunk call)) is used.* **NOTE 2:** *When the second data is set to 1 (Use VRS for Station call), VRS assigned by CM49 Y=00: 0B1XX (UCD Delay Announcement (for Station call)) is used.* **NOTE 3:** *To send the same announcement when Incoming trunk call and Station call are terminated, set the second data to 0 (Use VRS for Incoming trunk call).*		
1411	Location information from DT800/DT900 Series **[9300V4]**	0 1◀	Not available Available
	NOTE: *A reset of the terminal (CM12 Y=89) is required when this data is set or changed.*		
1412	Telephone No. column of Directory/History on User Web Portal **[9300V4]**	0 1◀	Dial Prefix + Telephone No. Telephone No. only

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COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
1413	Emergency Notification on Multiline Terminal/DESKCON when the call is finished. **[9300V5]** ☞ See CM51 Y=16, CM8A Y=5XXX>166, CM67 Y=32, 33	0 1◀	To stop To continue (30 sec.)
	NOTE: *This setting also applies to the DESKCON/Multiline Terminals that are configured for Emergency Notification through location data assignment with CM67 Y=32 and 33.*		
1414	Storage of input history on User Web Portal **[9300V5]**	0 1◀	Not Available Available
1416	When failure occurred, changeover performed **[9300V6]**	0 1◀	Available Not available
1417	When "System Reset" (FK=001H) occurred, changeover performed. **[9300V6]**	0 1◀	Not available Available
	NOTE: *This command is effective only when CM08>1416: 0 is set.*		
1418	When "CPU SRAM failure" (FK=10AH) occurred, changeover performed. **[9300V6]**	0 1◀	Not available Available
	NOTE: *This command is effective only when CM08>1416: 0 is set.*		
1419	When "Expansion Chassis (2U) failure" (FK=112H) occurred, changeover performed. **[9300V6]**	0 1◀	Not available Available
	NOTE: *This command is effective only when CM08>1416: 0 is set.*		
1420	When "Internal BUS failure on CPU Blade" (FK=11CH) occurred, changeover performed. **[9300V6]**	0 1◀	Not available Available
	NOTE: *This command is effective only when CM08>1416: 0 is set.*		

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COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
1422	When "Serious failure B" (FK=002H) occurred, changeover performed. **[9300V6]**	0 1◀	Not available Available
	NOTE: *This command is effective only when CM08>1416: 0 is set.*		
1423	When "CPU failure" (FK=127H) occurred, changeover performed. **[9300V6]**	0 1◀	Not available Available
	NOTE: *This command is effective only when CM08>1416: 0 is set.*		

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COMMAND CODE	TITLE:
08	BASIC SERVICES

BASIC SERVICE: 1600-1606

◀: Default

BASIC SERVICE		SETTING DATA	
1600	Check on tenant number in terminal info of OAI	0 1◀	Available Not available
1601	Selection of SMFN3 of a trunk when abandons an outgoing call via trunk	0 1◀	SMFN3 STS=1 SMFN3 STS=0
1602	Type of terminal for OAI suite room terminal	0 1◀	Suite room terminal Normal
1603	Sending of SMFN in Meet-Me Conference	0 1	To send Not sent
1604	Sending of SSFN when receiving room change from PMS **[9300V3]**	0◀ 1◀	To send Not sent
1605	Auto connect of Wireless Headset System when OAI SCF is executed	0 1◀	To connect Not connected
1606	OAI SMFN3-1 2nd Party when Call Pickup **[9300V6]**	0 1◀	Available Not available

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COMMAND CODE	TITLE:
08	BASIC SERVICES

BASIC SERVICE: 1701-1710

◀: Default

BASIC SERVICE		SETTING DATA	
1701	Wake Up Call Information Printout of All Guest Station Information by Printer for 20 digits when Wake Up Call is ineffective	0 1◀	Available Not available
1702	Printout of Administrative Station Information (assigned by CM13 Y=51) when All Guest Station Information Printout is executed	0 1◀	Available Not available
1708	SMDR output for Abandoned Station to Station call	0 1◀	Available Not available
1710	The SMDR output of abandoned incoming call when the trunk is released **[9300V7]**	0 1◀	To send Not sent

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COMMAND CODE	TITLE:
08	BASIC SERVICES

BASIC SERVICE: 1800-1877

◀: Default

BASIC SERVICE		SETTING DATA	
1800	Printout by Direct Data Entry	0 1◀	Available Not available
1801	Printing format of Direct Data Entry	0 1◀	Format2 Format1
1817	Whether to send Check Out Outgoing Call Report (FTC=16, FC=C) to PMS when guest station is engaged in an outgoing call at check out	0 1◀	Not sent To send
1818	Whether to send Check Out Message Waiting ON/OFF Report (FTC=16, FC=5/6)	0 1◀	To send Not sent
1819	Selection of message for Station Message Detail to be sent to PMS	0 1◀	FTC=14, FC=2 FTC=54, FC=1
1820	Selection of message for Message Waiting Lamp ON/OFF changed by PBX to be sent to PMS	0 1◀	FTC=13, FC=3/4 FTC=53, FC=2
1821	Provide parity LRC to transmission for PMS (Attach BCC to messages)	0 1◀	Not provided To provide
1856	Ringing on Suite Room station	0 1◀	Ring master station only Ring all stations
	NOTE: *Sub station can be received an incoming call when this data is set to "0".*		
1861	Setting of Room Cut Off when Room Status in recovery room data notification (FTC=57, FC=1) is between 3 and 9	0 1◀	To set Not set
	NOTE: *This data is effective only when CM04 Y=01>10 is set to "0".*		
1864	DSS console key for switching Check Out	0 1◀	Available Not available
	NOTE: *This data is effective only when CM04 Y=01>10 is set to "0".*		
1872	Trunk Call Restriction setting from Front Desk Instrument	0 1◀	Available Not available
	NOTE 1: *When operated restriction of an outgoing call for a station in Check in status from Front Desk Instrument while CM08>1872: 0, the trunk restriction class is changed from the class assigned by CM12 Y=01 to the class assigned by CM15 Y=404.* **NOTE 2:** *Check out operation cancels the Trunk Call Restriction setting from Front Desk Instrument.*		

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COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
1873	VIP Wake Up	0 1◀	Not available Available
	NOTE: *When the second data is set to 0, only the normal Automatic Wake-Up is available for VIP Guests.*		
1874	Multiline Terminal ringing tone for Wake Up Call	0 1◀	No ringing As per CM13 Y=78
1875	Flexible Maid Status Codes by CM42>870-881	0 1◀	Available Not Available
	NOTE: *This data is effective when CM04 Y=01>10 is set to 0 (PMS, PMS with Hotel/Motel Front Desk Instrument, DSS Console).*		
1876	Tone source that the station receives when Wake Up Call/Timed Reminder is canceled.	0 1◀	Service Set Tone (SST) Speech Synthesis
	NOTE: *When using Speech Synthesis (CM08>1876: 1), it is necessary that the second data of CM48 Y=1>00 is set to 0400 (Speech Synthesis).*		
1877	Selection of Speech Synthesis pattern to set Wake Up Call/ Timed Reminder **[9300V3]**	0 1◀	Message for setting a Wake Up Call Message for setting a Timed Reminder

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COMMAND CODE	TITLE:
08	BASIC SERVICES

BASIC SERVICE: 1926-1960

◀: Default

BASIC SERVICE		SETTING DATA	
1926	Displaying the received digits of DTMF Caller ID (For test)	0 1◀	To provide Not provided
	NOTE: *The received digits (maximum 16 digits) is displayed on LCD of Multiline Terminal directly.*		
1950	Storage of operation log	0 1◀	Not available Available
1960	Communication speed for PCPro IP connection and User Web Portal **[9300V4]**	0 1◀	Low-speed High-speed
	NOTE: *Coexisting the VoIP communication, PCPro and Web communication in a narrowband network may affect the voice quality. In that case, set the second data to 0 (Low-speed).*		

Continued on next page

COMMAND CODE	TITLE:
08	BASIC SERVICES

BASIC SERVICE: 2000-2003

◀: Default

BASIC SERVICE		SETTING DATA	
2000	Type of My Line Information Display on Multiline Terminal (Related to CM12 Y=57 and CM15 Y=210)	00 01 02 03 NONE◀	Station No. Station Name Station No. + Name Station Name + No. Station Name + No.
	NOTE 1: *When the own Station Name is not assigned, only the Station No. is displayed (as per the setting data=00) regardless of this data setting.* **NOTE 2:** *After setting/changing this data, the assigned data is applied to each Multiline terminal by resetting the terminal or executing CM12 Y=29.*		
2001	Type of Clock/Calendar Display on Multiline Terminal (Related to CM04 Y=00>00, CM12 Y=58, 63, and CM60 Y=33)	00 01 02 03 04 10 11 12 13 14 NONE◀	DD MMM WWW hh: mmAP hh: mmAP MMM DD WWW hh: mmAP WWW DD MMM MM-DD WWW hh: mmAP hh: mmAP WWW DD MMM YYYY DD MMM WWW HH: mm HH: mm MMM DD WWW HH: mm WWW DD MMM MM-DD WWW HH: mm HH: mm WWW DD MMM YYYY As per Display Language
	NOTE 1: *The meanings of 2nd data are shown below.* *YYYY : Year* *MMM : Month (Displayed in 3 alphabetical characters according to the display language (such as Jan and Feb for English)).* **When the display language is represented by Japanese/Simplified Chinese/Traditional Chinese characters, this data is displayed in English.* *MM : Month (Displayed in numeric characters) [01-12]* *DD : Date [01-31]* *WWW : Day (Displayed in 3 alphabetical characters according to the display language (such as Sun and Mon for English)).* **When the display language is represented by Japanese/Simplified Chinese/Traditional Chinese characters, this data is displayed in English.* *HH : Hour (24-hour clock) [00-23]* *hh : Hour (12-hour clock) [00-11]* *mm : Minute [00-59]* *AP : AM/PM* **NOTE 2:** *After setting/changing this data, the assigned data is applied to each Multiline terminal by resetting the terminal manually or executing CM12 Y=29.*		

Continued on next page

COMMAND CODE	TITLE:
08	BASIC SERVICES

◀: Default

BASIC SERVICE		SETTING DATA	
2002	LCD display mode (for Portal mode support terminal) (Related to CM12 Y=102) **[9300V7]**	0 1◀	Classic mode Portal mode
	NOTE: *A reset of the terminal is required when this data is set or changed.*		
2003	Specify Home Screen (for Portal mode support terminal) (Related to CM12 Y=103) **[9300V7]**	01 02 NONE◀	Call Screen Line Screen Favorite Screen
	NOTE 1: *This data is available from 9300V7 (V7.2.0) software or later.* **NOTE 2:** *When the second data 02 is assigned for DT930 other than Touch Panel model, the Favorite Screen is set as the Home Screen.* **NOTE 3:** *A reset of the terminal is required when this data is set or changed.*		

Continued on next page

COMMAND CODE	TITLE:
08	BASIC SERVICES

BASIC SERVICE: 2400

◀: Default

BASIC SERVICE		SETTING DATA	
2400	Kind of Parity for MCI over IP **[9300V5]**	00 01 NONE◀	Odd parity Even parity No parity

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

FUNCTION:

This command is used to assign the LAN data for Maintenance port of CPU blade and VOIP port of VoIPDB. Set each port by the operational pattern to be used. For details, refer to PRECAUTION (1) on this page.

PRECAUTION:

(1) The table below shows the operational patterns for each setting port.

×: To assign –: Not assigned ( ): Y number

FUNCTION	PORT		REMARKS
	MAINTENANCE PORT	VOIP PORT	
• PCPro	× (0XX)	× (1XX)	Available to use both ports at the same time
• IP Station and Single Line Telephone/Digital Multiline Terminal/ trunk connection • IP Station (P2P connection) • IPT (P2P CCIS) • Remote Unit over IP • SIP trunk • Stand alone (more than 2 Units configurations)	–	× (1XX/2XX)	
• SMDR (LAN Interface) • PMS (LAN Interface) interlocking • OAI • MCI	× (001)	× (101)	Not available to use both ports at the same time
• SNMP	× (001)	–	

In default setting, the port to be connected is the VOIP Port. Therefore, change the port by CM0B Y=001>91, 92 when connecting to the Maintenance Port.
Assign the commands of SNMP to the Maintenance Port.
SNMP information can be obtained from the Maintenance port and the VOIP port.

(2) CM0B Y=1XX is associated with setting the system data for Control Signals, and Y=2XX is associated with setting the system data for Voice Packets.

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

(3) When setting the IP address for Maintenance Port (Y=0XX) and VOIP Port (Y=1XX), set the segments for each using port respectively.

(4) There are the following conditions when setting the default gateway address by this command.
- Only one default gateway address can be set for each Unit.
- Set the default gateway address to the Maintenance port (Y=0XX) when not using VoIPDB.
- Set the default gateway address to the VOIP port (Y=1XX) when using VoIPDB.

(5) When entering data with characters, the following characters can be registered;
Alphabet upper case (A-Z), alphabet lower case (a-z), numeric (0-9), symbol (! “ # $ % & ’ ( ) + , ; = > ? @ [ ] ^ _ ‘ { } ~), Space, hyphen (-), period (.), slash (/), colon (:)

NOTE: *The character “CCC” cannot be registered.*

(6) When the CPU blade/VoIPDB/IP Station is connected to the port of switching HUB that Spanning Tree (IEEE 802.1d) is enabled, communication failures shown below may occur.
Disable the Spanning Tree feature to the connection port on the switching HUB.
- IP Station fails to connect to SV9300.
- IP Station cannot communicate with the IP Station.
- IP Station cannot communicate with the SLT/Digital Multiline Terminal.
- Remote Unit cannot change over to the normal mode in the Remote UNIT over IP system.

Also, disable the Spanning Tree feature as for the following connections.
- Connections between Units
- Remote Unit/Dual CPU system/Failover
- IP trunk/SIP trunk
- Application connections such as PCPro/SMDR

(7) For a Dual CPU system, system data for STBY-CPU is effective only for Unit01-04.

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

ASSIGNMENT PROCEDURE:

[ST] + 0BYYY + [DE] + 1ST DATA (2-3 digits) + [DE] + 2ND DATA (1-128 digits) + [EXE]

DATA TABLE:

Y=000

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
000	Unit number setting (OFF LINE) (RESET)	90	–	01 ~ 50 NONE◀	Unit01 ~ Unit50 Unit01	CM0B Y=0XX>141

NOTE 1: *This command should be set in each unit.*
NOTE 2: *The registration/clear of this data is available only in off-line mode.*
NOTE 3: *Set the SENSE switch of the CPU blade to 1-4 when operating the Unit as Unit01-04 (for Main Unit). The Unit functions as Unit01-04 regardless of the setting of this data.*
NOTE 4: *Set the SENSE switch of the CPU blade to 0 after this data setting when operating the Unit as Unit05-50 (for Remote Unit). The Unit functions as the Unit No. set by this data.*
NOTE 5: *Connect PCPro directly to the CPU to be used as a Secondary Unit, and assign a Unit number by this system data, when using Failover system. Unit02-04 is not necessary to be assigned Unit number by this data.*

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

Y=0XX

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
0XX	0 : Maintenance Port XX: Unit No. (01-50)	00	IP Address for the system RESET	XXX.XX ...X NONE◀	IP Address (Maximum 15 digits) XXX.XXX.XXX.XXX= 0.0.0.1-255.255.255.254 192.168.1.1	
			NOTE: *When setting the IP address by this data, a period (.) must be entered between the numbers (example: 255.255.255.254).*			
		01	Subnet Mask for the system RESET	XXX.XX ...X NONE◀	Subnet Mask (Maximum 15 digits) XXX.XXX.XXX.XXX= 255.0.0.0-255.255.255.252 No data	
			NOTE 1: *When setting the Subnet Mask by this data, a period (.) must be entered between the numbers (example: 255.255.255.252).* **NOTE 2:** *When CM0B Y=0XX>00 is set to the default data (NONE), Subnet Mask for the system is set to 255.255.0.0 regardless of this data setting.*			
		02	Default Gateway for the system RESET	XXX.XX ...X NONE◀	Default Gateway (Maximum 15 digits) XXX.XXX.XXX.XXX= 0.0.0.1-255.255.255.254 No data	
			NOTE: *When setting the Default Gateway by this data, a period (.) must be entered between the numbers (example: 255.255.255.254).*			
		09	Speed mode for the LAN Interface RESET	02 03 04 05 15◀	100 Mbps (Full-Duplex) 100 Mbps (Half-Duplex) 10 Mbps (Full-Duplex) 10 Mbps (Half-Duplex) Auto Negotiation	
			NOTE: *This data must be matched to the communication speed setting of connecting switching HUB. Usually, match the communication speed with Auto Negotiation or 100Mbps (Full-Duplex).*			

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
0XX	0 : Maintenance Port XX: Unit No. (01-50)	20	Whether to allow the connection with PCPro (RESET)	0 1◀	Restricted Allow	
		21	Whether to allow the connection with User Web Portal (Maintenance Port)	0 1◀	Allow Restricted	
			NOTE 1: *Assign this data only for Unit 01.* **NOTE 2:** *Web server reset is required to activate a change to this data.* *(☞ See CME0 Y=C)* **NOTE 3:** *While the Web server is in reset operation, no change is allowed for this data. If any change is attempted, a message such as WAIT, BUSY NOW will be issued.*			
		22	Connection Port No. for User Web Portal	1024 ~ 65534 NONE◀	Port No. 1024 ~ Port No. 65534 Port No. 80/443 (HTTP/HTTPS)	CM0B Y=001>23
			NOTE 1: *Assign this data only for Unit 01.* **NOTE 2:** *This setting is also applied to the system when connecting User Web Portal via VoIP Port.* **NOTE 3:** *The default Port No. varies depending on the connection mode to use.* *- For HTTP (CM0B Y=001>23:1◀): Port No. 80* *- For HTTPS (CM0B Y=001>23:0): Port No. 443** ** Port No. 443 is available for 9300V8 software or later.* **NOTE 4:** *Web server reset is required to activate a change to this data.* *(☞ See CME0 Y=C)* **NOTE 5:** *While the Web server is in reset operation, no change is allowed for this data. If any change is attempted, a message such as WAIT, BUSY NOW will be issued.*			

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
0XX	0 : Maintenance Port XX: Unit No. (01-50)	23	Connection mode for User Web Portal **[9300V8]**	0 1◀	HTTPS HTTP	CM0B Y=001>21, 22 CM0B Y=101>21
			NOTE 1: *Assign this data only for Unit 01.* **NOTE 2:** *This setting is also applied to the system when connecting User Web Portal via VoIP Port.* **NOTE 3:** *Web server reset is required to activate a change to this data. (☞ See CME0 Y=C)* **NOTE 4:** *While the Web server is in reset operation, no change is allowed for this data. If any change is attempted, a message such as WAIT, BUSY NOW will be issued.*			
		41	OAI Port number RESET	0 1 2 3◀	OAI port number 1024 OAI port number 1025 OAI port number 1039 OAI port number 60030	
			NOTE 1: *Only Unit01 can be set by this data.* **NOTE 2:** *This data is not effective for Secondary Unit (Unit02-50).*			

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
0XX	0 : Maintenance Port XX: Unit No. (01-50)	42	UDP port assignment for communication between ACT-CPU and STBY-CPU RESET	1024 ~ 65534 NONE◀	UDP Port number 3410	
			NOTE 1: *Do not change this data when the system is operated normally.* **NOTE 2:** *Reset both ACT-CPU and STBY-CPU after this data setting.*			
		50	VLAN function RESET	0 1◀	To provide Not provided	
		51	Priority of VLAN ID RESET	0 1 2 3 4 5 6 7◀	Priority 0 Priority 1 Priority 2 Priority 3 Priority 4 Priority 5 Priority 6 Priority 7	
			NOTE: *The higher number has higher priority.*			
		52	VLAN ID RESET	1 ~ 4094 NONE◀	VLAN ID No data	
			NOTE 1: *One VLAN ID can be set per system.* **NOTE 2:** *VLAN ID 0 is not available.*			
		88	Read the MAC address (for STBY-CPU)	X.....XXX (12 digits)	MAC address No.	
		89	Read the MAC address (for Single CPU/ACT-CPU)	X.....XXX (12 digits)	MAC address No.	

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
0XX	0 : Maintenance Port XX: Unit No. (01-50)	91	Port selection for OAI RESET NOTE 1, NOTE 2	0 1◀	Maintenance port VOIP port	
		92	Port selection for SMDR RESET NOTE 1, NOTE 2			
		93	Port selection for PMS RESET NOTE 1, NOTE 2			
		94	Port selection for MCI [9300V5] RESET NOTE 1, NOTE 2			
		100	SNMP port RESET NOTE 1	0 1◀	Open SNMP port Not open SNMP port	
		NOTE 1: *Only Unit01 can be set by this data.* NOTE 2: *This data is not effective for Secondary Unit (Unit02-50).*				
		101	Community Name "admin" RESET	0 1◀	Allow (admin) Restrict (public)	
			NOTE 1: *Only Unit01 can be set by this data.* NOTE 2: *Restrict the use of community name "admin" (set the community name to "public") except the system construction.*			

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
0XX	0 : Maintenance Port XX: Unit No. (01-50)	102	Trap is sent to the SNMP manager (RESET)	0 1◀	To send Not sent	
		103	Definition of the IP address for the SNMP manager (RESET) NOTE	0 1◀	Subnet Mask of the IP address for the SNMP manager (First place) IP address for the SNMP manager (Fourth place)	
		104	Kind of Trap message (Specific, Object ID) sent to SNMP manager [Australia Only] (RESET) NOTE	0 1◀	Variable Trap message by external alarm kind (MJ/MN/--) Fixed Trap message	
		106	Kind of Trap information [9300V4] NOTE	00 01 15◀	All Call log only Fault message only	
		110	Community name (RESET) NOTE	XX...X NONE◀	Character (Maximum 25 characters) No data	
		111	System information (sysDescr) (RESET) NOTE	XX...X NONE◀	Character (Maximum 128 characters) No data	
		112	Contact with the system manager (sysContact) (RESET) NOTE	XX...X NONE◀	Character (Maximum 64 characters) No data	
		NOTE: *Only Unit01 can be set by this data.*				

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
0XX	0 : Maintenance Port XX: Unit No. (01-50)	113	System name (sysName) RESET NOTE	XX...X NONE◀	Character (Maximum 64 characters) No data	
		114	Location of system (sysLocation) RESET NOTE			
		115	Community name for the destination of trap (First place) (1/4) (1-25 characters) RESET NOTE	XX...X NONE◀	Character (Maximum 25 characters) No data	
		116	Community name for the destination of trap (Second place) (2/4) (26-50 characters) RESET NOTE			
		117	Community name for the destination of trap (Third place) (3/4) (51-75 characters) RESET NOTE			
		NOTE: *Only Unit01 can be set by this data.*				

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
0XX	0 : Maintenance Port XX: Unit(01-50)	118	Community name for the destination of trap (Fourth place) (4/4) (76-100 characters) (RESET) NOTE	XX...X NONE◀	Character (Maximum 25 characters) No data	
		NOTE: *Only Unit01 can be set by this data.*				
		120	IP Address for the destination of trap (First place) (RESET) NOTE	XXX.XX...X NONE◀	IP Address for the destination of trap (Maximum 15 digits) XXX.XXX.XXX.XXX= 0.0.0.1-255.255.255.254 No data	
		121	IP Address for the destination of trap (Second place) (RESET) NOTE			
		122	IP Address for the destination of trap (Third place) (RESET) NOTE			
		123	IP Address for the destination of trap (Fourth place) (RESET) NOTE			
		NOTE: *The following conditions are applied to CM0B Y=0XX>120-123.* *- Only Unit01 can be set by this data.* *- When setting the IP address by this data, a period (.) must be entered between the numbers (example: 255.255.255.254).*				

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
0XX	0 : Maintenance Port XX: Unit No. (01-50)	124	IP Address for the SNMP manager (First place) RESET NOTE	XXX.XX ...X NONE◀	IP Address for the SNMP manager (Maximum 15 digits) XXX.XXX.XXX.XXX= 0.0.0.1-255.255.255.254 No data	
		125	IP Address for the SNMP manager (Second place) RESET NOTE			
		126	IP Address for the SNMP manager (Third place) RESET NOTE			
		127	Required IP Address for the SNMP manager (Fourth place)/Subnet Mask of the IP Address for the SNMP manager (First place) RESET NOTE			
		NOTE: *The following conditions are applied to CM0B Y=0XX>124-127.* *- Only Unit01 can be set by this data.* *- When setting the IP address by this data, a period (.) must be entered between the numbers (example: 255.255.255.254).* *- The system allows an access only from the IP address assigned by CM0B Y=001>124-127. (If no IP address is assigned for any of the SNMP managers (first place to fourth place), every access from all SNMP managers on the network will be allowed.) To avoid unauthorized access, be sure to assign an IP address for SNMP manager.*				

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
0XX	0 : Maintenance Port XX: Unit No. (01-50)	129	IP Address for the trap source (RESET)	XXX.XX ...X NONE◀	IP Address for the trap source (Maximum 15 digits) XXX.XXX.XXX.XXX= 0.0.0.1-255.255.255.254 No data	
			NOTE 1: *Only Unit01 can be set by this data.* **NOTE 2:** *When setting the IP address by this data, a period (.) must be entered between the numbers (example: 255.255.255.254).* **NOTE 3:** *The IP address assigned by this data is set to the Agent address in "SNMP TRAP PDU", and the system sends the IP address to the IP network. Wherever the system is located on the LAN, system administrator can manage it easily by setting of the convenient IP address.*			
		140	IP Address for STBY-CPU (RESET)	XXX.XX ...X NONE◀	IP Address (Maximum 15 digits) XXX.XXX.XXX.XXX= 0.0.0.1-255.255.255.254 192.168.1.101	
			NOTE 1: *Only Unit01 can be set by this data.* **NOTE 2:** *This data is not effective for Secondary Unit (Unit02-50).* **NOTE 3:** *Reset both ACT-CPU and STBY-CPU after this data setting.*			
		141	Unit number for Secondary Unit (RESET)	02 ~ 50 NONE◀	Unit02 ~ Unit50 Not set	CM0B Y=000>90
			NOTE 1: *Only Unit01 can be set by this data.* **NOTE 2:** *Set this data when Failover mode is used.*			
		142	SIP trunk feature of Secondary unit (RESET)	0 3◀	Allowed Restricted	CMA7 Y=83
			NOTE 1: *Only Unit01 can be set by this data.* **NOTE 2:** *Confirm the carrier specification beforehand when this data is set to "0".*			

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
0XX	0 : Maintenance Port XX: Unit No. (01-50)	148	TCP port number for MCI **[9300V5]** RESET	1024 ~ 65534 NONE◀	Port No. 1024 ~ Port No. 65534 Port No. 60020	
			NOTE 1: *Only Unit01 can be set by this data.* **NOTE 2:** *This data is not effective for Secondary Unit (Unit02-50).*			

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

Y=1XX

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
1XX	1 : VOIP Port XX: Unit No. (01-50)	00	IP Address for the system RESET	XXX.XX ...X NONE◀	IP Address (Maximum 15 digits) XXX.XXX.XXX.XXX= 0.0.0.1-255.255.255.254 No data	
			NOTE: *When setting the IP address by this data, a period (.) must be entered between the numbers (example: 255.255.255.254).*			
		01	Subnet Mask for the system RESET	XXX.XX ...X NONE◀	Subnet Mask (Maximum 15 digits) XXX.XXX.XXX.XXX= 255.0.0.0-255.255.255.252 No data	
			NOTE: *When setting the Subnet Mask by this data, a period (.) must be entered between the numbers (example: 255.255.255.252).*			
		02	Default Gateway for the system RESET	XXX.XX ...X NONE◀	Default Gateway (Maximum 15 digits) XXX.XXX.XXX.XXX= 0.0.0.1-255.255.255.254 No data	
			NOTE: *When setting the Default Gateway by this data, a period (.) must be entered between the numbers (example: 255.255.255.254).*			
		09	Speed mode for the LAN Interface RESET	02 03 04 05 15◀	100 Mbps (Full-Duplex) 100 Mbps (Half-Duplex) 10 Mbps (Full-Duplex) 10 Mbps (Half-Duplex) Auto Negotiation (GbE)	
			NOTE: *This data must be matched to the communication speed setting of connecting switching HUB. Usually, match the communication speed with Auto Negotiation or 100Mbps (Full-Duplex).*			

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
1XX	1 : VOIP Port XX: Unit No. (01-50)	10	Location number for stations/VoIPDB accommodated in the Unit	00 ~ 63 NONE◀	Location number 00 ~ Location number 63 Location number 00	CM12 Y=39, 50
			NOTE 1: *This data is effective when the location number is not assigned by CM12 Y=39, 50.* **NOTE 2:** *When standard SIP station is accommodated, assign location number for VoIPDB by this command.*			
		11	Tenant No. for IP stations accommodated in the Unit	00 ~ 63 NONE◀	Tenant number 00 ~ Tenant number 63 Tenant number 01	CM15 Y=196
			NOTE: *This data is effective when the second data of CM15 Y=196 is set to 0.*			
		20	Whether to allow the connection with PCPro (RESET)	0 1◀	Restricted Allow	
		21	Whether to allow the connection with User Web Portal (VoIP Port)	0 1◀	Allow Restricted	
			NOTE 1: *Assign this data only for Unit 01.* **NOTE 2:** *Web server reset is required to activate a change to this data. (☞ See CME0 Y=C)* **NOTE 3:** *While the Web server is in reset operation, no change is allowed for this data. If any change is attempted, a message such as WAIT, BUSY NOW will be issued.*			

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
1XX	1 : VOIP Port XX: Unit No. (01-50)	30	UDP Port for IP Multi-line Terminal voice control RESET	01024 ~ 65534 NONE◀	TCP/UDP/RTP Port number 1st data=30: 50000 (Port number 50000-52047 are used) 1st data=31: 3456 (Port number 3456 is used) 1st data=32: 5080 (Port number 5080 is used) 1st data=33: 5070 (Port number 5070 is used) 1st data=34: 57000 (Port number 57000 is used) 1st data=35: 58000 (Port number 58000-59023 are used) NOTE 1 NOTE 2 NOTE 3	
		31	UDP Port for Registration Admission Status (RAS) port RESET			
		32	UDP Port for DT700/DT800/DT900 Series voice control packet RESET			
		33	UDP Base Port for SIP Converter RESET			
		34	TCP Server Port for CCIS RESET IPT (P2P CCIS) RESET			
		35	TCP Client Port for CCIS RESET IPT (P2P CCIS) RESET			

NOTE 1: *Set this data when the router or firewall provides the restriction by the TCP port.*

NOTE 2: *The same port number cannot be used for the port numbers set to the first data "30-43".*

NOTE 3: *CM0B Y=1XX>33/34/35 are not effective for Secondary Unit (Unit02-50).*

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
1XX	1 : VOIP Port XX: Unit No. (01-50)	36	UDP Port for SIP control packet RESET	01024 ~ 65534 NONE◀	Port number 1st data=36: 5060 (Port number 5060 is used) 1st data=37: 6100 (Port number 6100 is used) 1st data=38: 6200 (Port number 6200-6327 are used) 1st data=39: 56000 (Port number 56000 is used) 1st data=40: 3300 (Port number 3300-3401 are used) 1st data=43: 5082 (Port number 5082 is used) NOTE 1 NOTE 2 NOTE 3 NOTE 4	
		37	TCP server Port for P2P voice control RESET			
		38	TCP client Port for P2P voice control RESET			
		39	RTP Base Port RESET			
		40	Device Handler Manager (DHM) Self Port RESET			
		43	UDP port Number for communication with Presence Server RESET			

NOTE 1: *Set this data when the router or firewall provides the restriction by the TCP port.*
NOTE 2: *The same port number cannot be used for the port numbers set to the first data "30-43".*
NOTE 3: *Only Unit01 can be set by CM0B Y=1XX>43.*
NOTE 4: *CM0B Y=1XX>43 is not effective for Secondary Unit (Unit02-50).*

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
1XX	1 : VOIP Port XX: Unit No. (01-50)	50	VLAN function (RESET)	0 1◀	To provide Not provided	
		51	Priority of VLAN ID (RESET)	0 1 2 3 4 5 6 7◀	Priority 0 Priority 1 Priority 2 Priority 3 Priority 4 Priority 5 Priority 6 Priority 7	
			NOTE: *The higher number has higher priority.*			
		52	VLAN ID (RESET)	1 ~ 4094 NONE◀	VLAN ID No data	
			NOTE 1: *One VLAN ID can be set per system.* **NOTE 2:** *VLAN ID 0 is not available.*			
		53	SIP trunk source IP address check	0 1◀	Available Not available	

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
1XX	1 : VOIP Port XX: Unit No. (01-50)	60	Primary IP Address for DNS server (for SIP Trunk) RESET	XXX.XX ...X NONE◀	IP Address for DNS server (Maximum 15 digits) XXX.XXX.XXX.XXX= 0.0.0.1-255.255.255.254 No data	CM0B Y= 1XX>61
			NOTE 1: *When setting the IP address by this data, a period (.) must be entered between the numbers (example: 255.255.255.254).* **NOTE 2:** *Set the second data to NONE for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").* **NOTE 3:** *When using Multi-Carrier Connection service, assign DNS server (primary) available for all the carriers.* **NOTE 4:** *Use this command to assign a primary IP address for DNS server when using a URL represented in a domain name (e.g. sipserver.nec.com).*			
		61	Secondary IP Address for DNS server (for SIP Trunk) RESET	XXX.XX ...X NONE◀	IP Address for DNS server (Maximum 15 digits) XXX.XXX.XXX.XXX= 0.0.0.1-255.255.255.254 No data	CM0B Y= 1XX>60
			NOTE 1: *When setting the IP address by this data, a period (.) must be entered between the numbers (example: 255.255.255.254).* **NOTE 2:** *Set the second data to NONE for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").* **NOTE 3:** *When using Multi-Carrier Connection service, assign DNS server (secondary) available for all the carriers.* **NOTE 4:** *Use this command to assign a secondary IP address for DNS server when using a URL represented in a domain name (e.g. sipserver.nec.com).*			

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
1XX	1 : VOIP Port XX: Unit No. (01-50)	70	Global IP Address for VoIPDB of Remote Unit of Remote UNIT over IP when VoIPDB is controlled by NAT (RESET)	XXX.XX ...X NONE◀	Global IP Address for VoIPDB (Maximum 15 digits) XXX.XXX.XXX.XXX= 0.0.0.1-255.255.255.254 No data	CMBA Y=139
			NOTE 1: *When setting the Global IP address by this data, a period (.) must be entered between the numbers (example: 255.255.255.254).* **NOTE 2:** *When only one SIP trunk carrier is used, set Global IP address by CM0B Y=1XX>70.* *When Multi-SIP trunk carrier service is used, set Global IP address by CMBA Y=139.* **NOTE 3:** *Use CM0B Y=1XX>00-02 to assign a Private IP address for SIP Trunk.*			

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
1XX	1 : VOIP Port XX: Unit No. (01-50)	80	Start time for the automatic changeover to survival mode from normal mode after the disconnection between the Main Unit and Remote Unit is detected RESET	00 01 ~ 99 NONE◀	Not execute the automatic changeover to survival mode 0-6 seconds (Unit02-04) 0-30 seconds (Unit05-50) ~ 588-594 seconds (Unit02-04) 2940-2970 seconds (Unit05-50) (6 seconds increments [Unit02-04]/30 seconds increments [Unit05-50]) 12-18 seconds (Unit02-04) 60-90 seconds (Unit05-50)	
			NOTE 1: *Only Remote Unit (Unit02-50) can be set by this data.* **NOTE 2:** *When setting this data, the same specification is applied to between the Secondary Unit and Remote Unit.*			
		81	Start time for the automatic changeover to normal mode from survival mode after the connection between the Main Unit and Remote Unit returned to normal condition RESET	00 01 ~ 99 NONE◀	Not execute the automatic changeover to normal mode 0-30 seconds ~ 2940-2970 seconds (30 seconds increments) 90-120 seconds	
			NOTE 1: *Only Remote Unit/Secondary Unit (Unit02-50) can be set by this data.* **NOTE 2:** *When setting this data, the same setting time about the notification of link down (restored) is set for Secondary Unit.*			

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
1XX	1 : VOIP Port XX: Unit No. (01-50)	82	Start time to notify the link down to the Multi-line Terminal after the disconnection between Main Unit and Remote Unit is detected (RESET)	00 01 ~ 99 NONE◀	Not notify the link down 0-6 seconds (Unit02-04) 0-30 seconds (Unit05-50) ~ 588-594 seconds (Unit02-04) 2940-2970 seconds (Unit05-50) (6 seconds increments [Unit02-04]/30 seconds increments [Unit05-50]) 0-6 seconds (Unit02-04) 0-30 seconds (Unit05-50)	
			NOTE 1: *Only Remote Unit/Secondary Unit (Unit02-50) can be set by this data.* **NOTE 2:** *Assign the start time by this data to less than the number of seconds assigned by CM0B Y=1XX>80.*			

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
1XX	1 : VOIP Port XX: Unit No. (01-50)	83	Provide the system with the automatic change-over to normal mode from survival mode after the connection between the Main Unit and Remote Unit returned to normal condition (RESET)	0 1◀	To provide Not provided	CM0B Y=1XX>81
			NOTE 1: *Only Remote Unit (Unit02-50) can be set by this data.* **NOTE 2:** *When this data is set to "0", it remains possible that the changeover between survival mode and normal mode is occurred with frequency at the heavily-loaded network environment.* **NOTE 3:** *While this data is set to "0" in Failover mode, when a Remote Unit is changed over from survival mode to normal mode, a Remote Unit is automatically connected to either Primary/Secondary Unit that is connectable after restoring communication. Then a Remote Unit is reset automatically.*			
		84	Start time for the automatic changeover to Failover mode from Normal mode after the disconnection between the Primary Unit and Secondary Unit (RESET)	00 01 ~ 99 NONE◀	Not executed the automatic changeover to Failover mode 0-30 seconds ~ 2940-2970 seconds 210-240 seconds	CM0B Y=1XX>80
			NOTE: *This data is effective only for Secondary Unit (Unit02-50).*			
		88	Read the MAC address (for STBY-CPU)	X.....XXX (12 digits)	MAC address No.	
		89	Read the MAC address (for Single CPU/ACT-CPU)			

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
1XX	1 : VOIP Port XX: Unit No. (01-50)	140	IP Address for STBY-CPU (RESET)	XXX.XX ...X	IP Address (Maximum 15 digits) XXX.XXX.XXX.XXX= 0.0.0.1-255.255.255.254	
			NOTE 1: *Set this data when performing Program Download from VOIP port in a Dual CPU system.* **NOTE 2:** *Be sure to set the IP address to CM0B Y=2XX>29 when this data is set.*			
		143	UDP Port for standard SIP control packet between Units (RESET)	01024 ~ 65534 NONE◀	UDP port number 5076 (Port number 5076 is used)	
		150	Periodical SNTP query	0 1◀	Enable Disable	
			NOTE: *Only Unit01 can be set by this data.*			
		151	IP Address for SNTP server	XXX.XX ...X NONE◀	IP Address (Maximum 15 digits) XXX. XXX. XXX. XXX= 0.0.0.1-255.255.255.254 No data	
			NOTE: *Only Unit01 can be set by this data.*			
		152	Time setting for Periodical SNTP query	0000 ~ 2359 NONE◀	Hour + Minutes (00:00-23:59) (4 digits) 4:00	
			NOTE: *Only Unit01 can be set by this data.*			

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
1XX	1 : VOIP Port XX: Unit No. (01-50)	153	SNTP query (Status display) (Only Display)	0 1 2 3◀	Now executing Not executed (failed in the previous time) Not executed Execute	
			NOTE 1: *Only Unit01 can be set by this data.* **NOTE 2:** *Only when "2" (Not executed) or "3" (Execute) is displayed as 2nd data, SNTP query can be executed by setting "0" (Now executing).* **NOTE 3:** *When not answering from SNTP server, the system waits for up to 2 minutes for a response from SNTP server.*			
		160	Primary IP Address for DNS server (for PUSH Notification) RESET **[9300V6]**	XXX.XX ...X NONE◀	IP Address (Maximum 15 digits) XXX. XXX. XXX. XXX= 0.0.0.1-255.255.255.254 No data	CM0B Y=1XX>161
			NOTE: *Set this data for the all Units where the VoIP applications that require the PUSH Notification Service will log in.*			
		161	Secondary IP Address for DNS server (for PUSH Notification) RESET **[9300V6]**	XXX.XX ...X NONE◀	IP Address (Maximum 15 digits) XXX. XXX. XXX. XXX= 0.0.0.1-255.255.255.254 No data	CM0B Y=1XX>160
			NOTE: *Set this data for the all Units where the VoIP applications that require the PUSH Notification Service will log in.*			

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
1XX	1 : VOIP Port XX: Unit No. (01-50)	163	Fully Qualified Domain Name (FQDN) for Push Proxy server with character RESET **[9300V6]**	XXX...X NONE◀	Domain name (Maximum 128 characters)	
			NOTE 1: *Set the FQDN as follows depending on the country.* • *usa01.nec-pushproxy.com* ***[For North America]*** • *nld01.nec-pushproxy.com* ***[For EMEA]*** • *aus01.nec-pushproxy.com* ***[For Australia]*** • *other01.nec-pushproxy.com* ***[Other than China]*** **NOTE 2:** *Set this data for the all Units where the VoIP applications that require the PUSH Notification Service will log in.* **NOTE 3:** *FQDN setting is available only from the PCPro (System Data Mode). CAT mode is not available to set FQDN.*			
		164	Clearing the cache table for PUSH Notification **[9300V6]**	CCC NONE◀	DNS cache table clearance No data	
			NOTE: *When an IP address has been cached in the DNS cache table, the IP address (0.0.0.1-255.255.255.254) cached in the second data is displayed (PCPro Command Mode Screen).*			
		165	Web Proxy server use for PUSH Notification RESET **[9300V8]**	0 1 3◀	Used (IP Address) Used (Domain name) Not used	
			NOTE: *Set this data for the all Units where the VoIP applications that require the PUSH Notification Service will log in.*			

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
1XX	1 : VOIP Port XX: Unit No. (01-50)	166	IP Address for Web Proxy server (for PUSH Notification) RESET [9300V8]	XXX.XX...X NONE◀	IP Address (Maximum 15 digits) XXX. XXX. XXX. XXX= 0.0.0.1-255.255.255.254 No data	
			NOTE: *Set this data for the all Units where the VoIP applications that require the PUSH Notification Service will log in.*			
		167	Fully Qualified Domain Name (FQDN) for Web Proxy server with character (for PUSH Notification) RESET [9300V8]	XXX...X NONE◀	Domain name (Maximum 128 characters)	
			NOTE 1: *Set this data for the all Units where the VoIP applications that require the PUSH Notification Service will log in.* **NOTE 2:** *FQDN setting is available only from the PCPro (System Data Mode). CAT mode is not available to set FQDN.*			
		170	TCP Base Port for PUSH Notification request RESET [9300V6]	01024 ~ 65407 NONE◀	Port number 55000-55127	
			NOTE 1: *TCP Base Port for PUSH Notification request uses 128 ports from the assigned base port.* **NOTE 2:** *For NONE, port numbers from 55000-55127 are allocated.* **NOTE 3:** *Change the port setting only for the Unit which is necessary to change the default.*			

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
1XX	1 : VOIP Port XX: Unit No. (01-50)	174	Web Proxy server Port No. (for PUSH Notification) **[9300V8]**	1 ~ 65534 NONE◀	Port number 8080	
			NOTE: *Change the port setting only for the Unit which is necessary to change the default.*			
		180	LIN (Location Identification Number) Index for Unit **[9300V8]** **[North America Only]**	0000 ~ 1999 NONE◀	LIN Index 0000 ~ LIN Index 1999 No data	CM04 Y=90, 91
			NOTE 1: *This data is available from 9300V8 (V8.3.0) software or later.* **NOTE 2:** *The second data (LIN Index number) must be set to the Unit1. If the other Unit is the same Location ID as Unit1, no other Unit settings are required.*			
		181	Additional location information Index for Unit **[9300V8]** **[North America Only]**	0000 ~ 1999 NONE◀	LIN Index 0000 ~ LIN Index 1999 No data	CM04 Y=92
			NOTE 1: *This data is available from 9300V8 (V8.3.0) software or later.* **NOTE 2:** *It is recommended to assign the additional location information Index by each station (MAC address and station number).*			

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
1XX	1 : VOIP Port XX: Unit No. (01-50)	182	TCP Base Port for PUSH Notification request (for a representative call notification) RESET [9300V9]	01024 ~ 65407 NONE◀	Port number 55500	CM0B Y=1XX>170
			NOTE 1: *TCP Base Port for PUSH Notification request (for a representative call notification) uses 128 ports from the assigned base port.* **NOTE 2:** *For NONE, port numbers from 55500-55627 are allocated.* **NOTE 3:** *Change the port setting only for the Unit which is necessary to change the default.*			

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

Y=2XX

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
2XX	2 : VOIP Port XX: Unit No. (01-50)	00	IP Address (RTP) for VoIPDB (RESET)	XXX.XX ...X NONE◀	IP Address (Maximum 15 digits) XXX.XXX.XXX.XXX= 0.0.0.1-255.255.255.254 No data	
			NOTE: *When setting the IP address (RTP) by this data, a period (.) must be entered between the numbers (example: 255.255.255.254).*			
		10	Number of voice channels used for VoIPDB	16 32 48 64 80 96 112 128 NONE◀	16 channels 32 channels 48 channels 64 channels 80 channels 96 channels 112 channels 128 channels Use all channels of the VoIPDB	
		29	IP Address (RTP) for VoIPDB (for STBY-CPU) (RESET)	XXX.XX ...X NONE◀	IP Address of STBY-CPU (Maximum 15 digits) XXX.XXX.XXX.XXX= 0.0.0.1-255.255.255.254 No data	CM0B Y=1XX>140
			NOTE: *Set this data when performing Program Download from VOIP port in a Dual CPU system.*			

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
2XX	2 : VOIP Port XX: Unit No. (01-50)	40	RTP Base Port for Voice Packet transmitting/ receiving (RESET)	01024 ~ 65534 NONE◀	RTP Port number 10000	CMA7 Y=46 CMBA Y=30, 93
			NOTE 1: *For the second data of this command, specify an RTP Base port number of voice packet transmitting/receiving ports (RTP ports) corresponding to the number of voice channels used for VoIPDB (assigned by CM0B Y=2XX>10).* **NOTE 2:** *Starting from a port number assigned by this command, 2 RTP ports are used for each VoIPDB voice channel as shown in the example below.* *Example: When this data and the number of channels used for VoIPDB are set to their default values, respectively;* *Channel number — RTP port* *1 — 10000 ← RTP Base port number* *2 — 10002* *⋮ — ⋮* *128 — 10254* *Therefore, assign a RTP Base port number so that it does not exceed the last RTP Base port number (65534).*				
		54	FAX over IP	0 1◀	Not available Available	
		70	MAC Address of the VoIPDB (for STBY-CPU)	X.....XXX (12 digits)	MAC address No.	
		80	MAC Address of the VoIPDB (for Single CPU/ACT-CPU)			

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
2XX	2 : VOIP Port XX: Unit No. (01-50)	90	Provide the call log collection with VoIPDB	0 1◀	To provide Not provided	
			NOTE: *When changing this data of VoIPDB accommodated in a Remote Unit, execute the system data copy by CMEC Y=8 to the Remote Unit.*			
		91	Provide the fault log collection with VoIPDB (RESET)	0 1◀	Not provided To provide	
		121	DTMF inband mode for VoIPDB	0 1◀	In-band mode (Voice pass through) Out-band mode (with H.245 UII/RFC2833)	
		137	Port number check for RTP-packet	0 1◀	Disable Enable	
		150	Payload type of Out-band DTMF (RFC2833)	1 ~ 127 NONE◀	Payload type 101	
			NOTE: *Assign this data when Payload type of Out-band DTMF (RFC2833) is changed between VoIPDB and standard SIP station.*			

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
2XX	2 : VOIP Port XX: Unit No. (01-50)	201	Smooth PAD	0 1 2 3 4 5 NONE◀	Disable Mode1 (-4.91 dBm - +2.12 dBm) Mode2 (-12.13 dBm - -5.26 dBm) Mode3 (-9.15 dBm - -2.13 dBm) Mode4 (-6.82 dBm - +0.06 dBm) Mode5 (-11.02 dBm - -4.24 dBm) Mode1 (-4.91 dBm - +2.12 dBm)	
			NOTE 1: *Smooth PAD provides a function to limit a volume level.* **NOTE 2:** *This command is effective when the level diagram control system is set to "Old Pattern".* **NOTE 3:** *Do not change this data when the system is operated normally.*			
		202	NLP Sensitivity	1 2 3 NONE◀	Low Medium High Low	
			NOTE 1: *NLP (Non-Linear Processor) provides a function to remove residual echo.* **NOTE 1:** *This command is effective when the level diagram control system is set to "Old Pattern".* **NOTE 2:** *Do not change this data when the system is operated normally.*			

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

Y=300

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
300	Characteristic level data	XX0	XX: Characteristic level (00-09) 0 : NLP (Non Linear Processor)	0 1 NONE◀	Disable Enable Enable	
			NOTE 1: *NLP (Non-Linear Processor) provides a function to remove residual echo.* **NOTE 2:** *This command is effective when the level diagram control system is set to "Old Pattern".* **NOTE 3:** *Do not change this data when the system is operated normally.*			
		XX6	XX: Characteristic level (00-09) 6 : NLP Threshold	00 30 ~ 63 NONE◀	Auto -30 dBm ~ -63 dBm Auto	
			NOTE 1: *This command is effective when the level diagram control system is set to "Old Pattern".* **NOTE 2:** *Do not change this data when the system is operated normally.*			

Continued on next page

COMMAND CODE	TITLE:
0B	LAN DATA ASSIGNMENT

Y=3XX

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
3XX	3: Characteristic level per channel XX: 01-50 (Unit No.)	001 ~ 128	VoIPDB channel number	00 ~ 09 NONE◀	Characteristic level No data	CM15 Y=483 CM35 Y=193
			NOTE: *Do not change this data when the system is operated normally.*			

COMMAND CODE	TITLE:
0C	UPDATING OF IP STATION FIRMWARE/REMOTE SYSTEM UPGRADE

FUNCTION:

This command is used to specify the update information of IP Station firmware and Remote System Upgrade.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + 0CYY + [DE] + 1ST DATA (1-8 digits) + [DE] + 2ND DATA (1-12 digits) + [EXE]

COMMAND CODE	TITLE: UPDATING OF IP STATION FIRMWARE/REMOTE SYSTEM UPGRADE
0C	

DATA TABLE:

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
00 ~ 07	Update information Profile No.	00	Type of firmware for update	02	D^term^IP INASET
				03	D^term^85 (Series i) (IP adapter type)
				05	D^term^85 (Series i) (IP bundles type)
				12	DT710
				13	DT730/DT710(Self-Labeling)
				14	DT750
				17	DT730DG
				18	DT730CG
				19	DT770G
				21	DT830/DT830DG
				22	DT830CG
				23	DT820 **[9300V3 STEP2]**
				24	DT820(Self-Labeling) **[9300V3 STEP2]**
				25	DT930CG **[9300V7]**
				26	DT920 **[9300V7]**
				27	DT920 (Self-Labeling) **[9300V7]**
				28	DT930 (Touch Panel) **[9300V7]**
				NONE◀	No data

Continued on next page

COMMAND CODE	TITLE: UPDATING OF IP STATION FIRMWARE/REMOTE SYSTEM UPGRADE
0C	

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
00 ~ 07	Update information Profile No.	02	Firmware file version for update	AABBCCDD (For DT700/ DT800/DT900 Series)	AA : Integral No. of file version (00-99) BB : First decimals No. of file version (00-99) CC : Second decimals No. of file version (00-99) DD : Third decimals No. of file version (00-99)
				0000XXZZ (For D^{term}IP)	XX : Integral No. of file version (00-99) ZZ : First decimals No. of file version (00-99)
				NONE◀	No data **NOTE:** *If no data is set, the system does not update the firmware of IP Stations.*
		04	IP Address for server	aaabbbcccddd	IP Address for the FTP/TFTP server aaa : 000-255 bbb: 000-255 ccc : 000-255 ddd: 001-254 **NOTE:** *Setting 255 to all parts is not allowed.*
				NONE◀	No data
		05	Protocol of server	0 1◀	FTP TFTP
11	Information of Remote System Upgrade	XX00	IP Address for FTP server XX: Unit No. (01-50)	aaabbbcccddd	IP Address for the FTP server aaa : 000-255 bbb: 000-255 ccc : 000-255 ddd: 001-254
				CCC	Clear
				NONE◀	No data

Continued on next page

COMMAND CODE	TITLE: UPDATING OF IP STATION FIRMWARE/REMOTE SYSTEM UPGRADE
0C	

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
11	Information of Remote System Upgrade	XX01	Port number for FTP server XX: Unit No. (01-50)	00001 ~ 65534 CCC NONE◀	TCP Port No. for the FTP server Clear TCP Port No. 21
		NOTE: *Port No. 21 is used for the file transfer (control), and Port No. 20 is used for the file transfer in default setting.* *For example, when the second data is set to 3000, Port No. 3000 is used for the file transfer (control), and Port No. 2999 is used for the file transfer.*			
		XX02	User ID for FTP server XX: Unit No. (01-50)	X ~ XXXXXXXX CCC NONE◀	User ID (Maximum 8 characters) X: A-Z, 0-9 Clear No data
		NOTE: *When no user ID is assigned, log into the FTP server with "anonymous".*			
		XX03	Password for FTP server XX: Unit No. (01-50)	X ~ XXXXXXXX CCC NONE◀	Password (Maximum 8 characters) X: A-Z, 0-9 Clear No data
		NOTE: *While entering the password with CAT "*" (asterisk) is displayed on LCD. When entering the password with the MOC screen, actual data is displayed.*			
		XX04	Directory name XX: Unit No. (01-50)	XXX...X CCC NONE◀	Directory name (Maximum 32 characters) Clear No data
		NOTE: *If the CPU program is in the root directory of the FTP server, the directory name setting by this data is not required. In this case, the root directory name of the FTP server can be obtained automatically.*			

Continued on next page

COMMAND CODE	TITLE: UPDATING OF IP STATION FIRMWARE/REMOTE SYSTEM UPGRADE
0C	

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
11	Information of Remote System Upgrade	XX06	File type XX: Unit No. (01-50)	00 CCC NONE◀	CPU program file Clear No data

Continued on next page

COMMAND CODE	TITLE: UPDATING OF IP STATION FIRMWARE/REMOTE SYSTEM UPGRADE
0C	

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
50	Start updating IP Station firmware	X ~ XXXXXXXX	IP Station No.	0	Start updating

NOTE: *After setting the first data and second data, PCPro/CAT displays the status of the IP Station. The table below shows the contents of the display and its meaning.*

FIRST DATA	IP STATION STATUS		SECOND DATA	IP STATION STATUS	
	DISPLAY	MEANING		DISPLAY	MEANING
X ~ XXXXXXXX : IP Station No.	AABB CCDD	Current firmware version of the IP Station (For DT700/DT800/ DT900 Series) AABBCCDD AA : 00-99: Integral No. BB : 00-99: First decimals No. CC : 00-99: Second decimals No. DD : 00-99: Third decimals No.	0: Start updating	OK	Start updating
				DATA NOT FOUND	You cannot update the IP Station firmware because the FTP/TFTP server information data has not been assigned **NOTE:** *Set this data after setting CM0C Y=00-07>00-05.*
	0000 XXZZ	Current firmware version of the IP Station (For D^{term}85) 0000XXZZ XX : 00-99: Integral No. ZZ : 00-99: First decimals No.		WAIT, BUSY NOW	You cannot update the IP Station firmware because other four IP Stations in the system are updated now **NOTE:** *Maximum four IP Stations can be updated at the same time in a system.* *Set this data after other four IP Stations are updated.*
	DATA ERROR	The IP Station is logout status/The terminal is not IP terminal	You cannot update the IP Station firmware		
	WAIT, BUSY NOW	The IP Station is updated now/The IP Station is busy			

Continued on next page

COMMAND CODE	TITLE: UPDATING OF IP STATION FIRMWARE/REMOTE SYSTEM UPGRADE
0C	

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
52	Remote System Upgrade	XX00	Execute CPU program download XX: Unit No. (01-50)	0 1 3◀ YYYY MM DD HH mm CCC	Start to download Now downloading Not executed Download time YYYY: Year (2014-2099) MM : Month (01-12) DD : Date (01-31) HH : Hour (00-23) mm : Minute (00-59) Interrupt downloading/Download time clear

NOTE 1: *You can download the CPU programs while the system is operating. The downloaded program is stored in flash memory of CPU blade.*

NOTE 2: *The second data 0 can be set only when the CPU program download is not executed (second data status is 3) and the system data backup is not being executed.*

NOTE 3: *The second data XXXXXXXXXXXX (download time) can be set only when the CPU program download is not executed (second data status is 3) and the system data backup is not being executed.*

NOTE 4: *While the CPU program is being downloaded (second data status 0), you can input CCC to interrupt the program download.*
If you do that, the second data is changed from 1 (Now downloading) to 3 (Not executed), and the CPU program that has been downloaded disappears.
Execute the CPU program download again, if required.

NOTE 5: *While the CPU program is being downloaded, you cannot input any command other than CCC. If you do that, "WAIT, BUSY NOW" is displayed.*

NOTE 6: *The download time can be canceled by inputting CCC when the second data XXXXXXXXXXXX (download time) is displayed.*

NOTE 7: *Execute the changeover of CPU program, after the CPU program download is completed.*

NOTE 8: *When the communication between Main Unit-Remote Unit/Primary Unit-Secondary Unit cannot operate normally, "HARDWARE ERROR" is displayed.*

Continued on next page

COMMAND CODE	TITLE: UPDATING OF IP STATION FIRMWARE/REMOTE SYSTEM UPGRADE
0C	

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
52	Remote System Upgrade	XX01	Changeover (changeback) time XX: Unit No. (01-50)	YYYY MM DD HH mm	YYYY: Year (2014-2099) MM : Month (01-12) DD : Date (01-31) HH : Hour (00-23) mm : Minute (00-59)
				000000000000	Executed immediately
				CCC	Clear
				NONE◀	No data

NOTE 1: *For CPU program changeover, the system is reset automatically. Therefore, when executing the program download to multiple units, set the time for the system to execute the program changeover for the Main Unit (Unit01) after the program download to all units is completed.*

NOTE 2: *If a specified changeover time is passed while CPU program is being downloaded, the changeover of CPU program is executed immediately (second data becomes 000000000000).*

NOTE 3: *If you set the second data to 000000000000 while CPU program is being downloaded, the CPU program changeover is executed after CPU program download is completed.*

NOTE 4: *This data is cleared after CPU program changeover is completed.*

NOTE 5: *If the system is reset five times during about three minutes, the CPU program changeback is executed automatically.*

NOTE 6: *When the communication between Main Unit-Remote Unit/Primary Unit-Secondary Unit cannot operate normally, "HARDWARE ERROR" is displayed.*

Continued on next page

COMMAND CODE	TITLE: UPDATING OF IP STATION FIRMWARE/REMOTE SYSTEM UPGRADE
0C	

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
52	Remote System Upgrade	XX05	The latest result of CPU program download XX: Unit No. (01-50)	XX YY ZZ YYYYMMDD HH mm	XX: File type 00: CPU program file YY: Executed operation 00: Download 01: Changeover 03: Automatic changeback ZZ : Result 00: OK/Occurred 01: Interrupted 02: NG: Other than below 03: NG: FTP double open 04: NG: FTP server connection failed/Missing files 05: NG: Data transfer error 10: Start YYYY: Year (2014-2099) MM : Month (01-12) DD : Date (01-31) HH : Hour (00-23) mm : Minute (00-59)
		NOTE 1: *The executed results of the latest CPU program downloading/changeover (changeback)/automatic changeback are displayed.* **NOTE 2:** *Before executing the CPU program download, "NONE" is displayed.*			

Continued on next page

COMMAND CODE	TITLE: UPDATING OF IP STATION FIRMWARE/REMOTE SYSTEM UPGRADE
0C	

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
53	System Upgrade (STBY-CPU)	XX00	Execute CPU program download XX: Unit No. 01: Unit01 02-04: Unit02-04	0 1 3◀ YYYY MM DD HH mm CCC	Start to download Now downloading Not executed Download time YYYY: Year (2014-2099) MM : Month (01-12) DD : Date (01-31) HH : Hour (00-23) mm : Minute (00-59) Interrupt downloading/Download time clear

NOTE 1: *You can download the CPU programs while the system is operating. The downloaded program is stored in flash memory of CPU blade.*

NOTE 2: *The second data 0 can be set only when the CPU program download is not executed (second data status is 3) and the system data backup is not being executed.*

NOTE 3: *The second data XXXXXXXXXXXX (download time) can be set only when the CPU program download is not executed (second data status is 3) and the system data backup is not being executed.*

NOTE 4: *While the CPU program is being downloaded (second data status 0), you can input CCC to interrupt the program download.*
If you do that, the second data is changed from 1 (Now downloading) to 3 (Not executed), and the CPU program that has been downloaded disappears.
Execute the CPU program download again, if required.

NOTE 5: *While the CPU program is being downloaded, you cannot input any command other than CCC. If you do that, "WAIT, BUSY NOW" is displayed.*

NOTE 6: *The download time can be canceled by inputting CCC when the second data XXXXXXXXXXXX (download time) is displayed.*

NOTE 7: *Execute the changeover of CPU program, after the CPU program download is completed.*

NOTE 8: *When the communication between ACT-CPU and STBY-CPU cannot operate normally, "HARDWARE ERROR" is displayed.*

Continued on next page

COMMAND CODE	TITLE: UPDATING OF IP STATION FIRMWARE/REMOTE SYSTEM UPGRADE
0C	

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
53	System Upgrade (STBY-CPU)	XX01	Changeover (changeback) time XX: Unit No. 01: Unit01 02-04: Unit02-04	YYYY MM DD HH mm 000000000000 CCC NONE◀	YYYY: Year (2014-2099) MM : Month (01-12) DD : Date (01-31) HH : Hour (00-23) mm : Minute (00-59) Executed immediately Clear No data
		NOTE 1: *If a specified changeover time is passed while CPU program is being downloaded, the changeover of CPU program is executed immediately (second data becomes 000000000000).* **NOTE 2:** *If you set the second data to 000000000000 while CPU program is being downloaded, the CPU program changeover is executed after CPU program download is completed.* **NOTE 3:** *This data is cleared after CPU program changeover is completed.* **NOTE 4:** *If the system is reset five times during about three minutes, the CPU program changeback is executed automatically.* **NOTE 5:** *When the communication between ACT-CPU and STBY-CPU cannot operate normally, "HARDWARE ERROR" is displayed.*			

Continued on next page

COMMAND CODE	TITLE: UPDATING OF IP STATION FIRMWARE/REMOTE SYSTEM UPGRADE
0C	

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
53	System Upgrade (STBY-CPU)	XX05	The latest result of CPU program download XX: Unit No. 01: Unit01 02-04: Unit02-04	XX YY ZZ YYYYMMDD HH mm	XX: File type 00: CPU program file YY: Executed operation 00: Download 01: Changeover 03: Automatic changeback ZZ : Result 00: OK/Occurred 01: Interrupted 02: NG: Other than below 03: NG: FTP double open 04: NG: FTP server connection failed/Missing files 05: NG: Data transfer error 10: Start YYYY: Year (2014-2099) MM : Month (01-12) DD : Date (01-31) HH : Hour (00-23) mm : Minute (00-59)
				NONE◀	Before downloading
		NOTE 1: *The executed results of the latest CPU program downloading/changeover (changeback)/automatic changeback are displayed.* **NOTE 2:** *Before executing the CPU program download, "NONE" is displayed.*			
90	Firmware condition for updating IP Station	02	Automatic update by IP Station login	0 1◀	To update Not update **NOTE:** *Set the second data to "1" (default) after the automatic update.*

COMMAND CODE	TITLE:
0D	IP NETWORK ASSIGNMENT

FUNCTION:

This command is used to assign the routing table to communicate to the different segment (communication beyond a router) via multiple routers and to display the routing table status.
[9300V4]

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

- To assign the routing table

ST + 0D00 + DE + 1ST DATA (4 digits) + DE + TABLE DATA (28-52 digits) + EXE

- To display the routing table status

ST + 0D01 + DE + 1ST DATA (4 digits) + DE

DATA TABLE:

Routing Table Assignment

◀: Default

Y		1ST DATA		TABLE DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
00	Routing table assignment NOTE 1	01XX	01 : Unit No. (fixed) XX: Entry No. (00-19)	0/aaa...aaa/bbb...bbb/ccc...ccc/01 CCC NONE◀	Table data NOTE 2 to NOTE 6 Clear No data	

NOTE 1: *This command can be assigned only from PCPro (CAT mode is not available).*

NOTE 2: *The set contents of the second data (table data) are as follows.*

0D00>01XX: 0/aaa...aaa/bbb...bbb/ccc...ccc/01
0 : Fixed value
aaa...aaa: Destination Address (0.0.0.1-255.255.255.254 [Maximum 15 digits])
bbb...bbb: Netmask (255.0.0.0-255.255.255.255 [Maximum 15 digits])
ccc...ccc : Gateway Address (0.0.0.1-255.255.255.254 [Maximum 15 digits])
01 : Fixed value

Continued on next page

COMMAND CODE	TITLE:
0D	IP NETWORK ASSIGNMENT

NOTE 3: *The second data cannot be overwritten. To change the set contents of the second data, clear the data by "CCC", then register again. "SD CODE NOT ALLOWD" is displayed when overwriting.*

NOTE 4: *If the setting of routing table is failed. The following errors are displayed.*

- *"DATA ERROR" : The setting value is invalid.*
- *"ASSIGNED ALREADY" : The same destination network address has already been registered.*

NOTE 5: *For a network specification (destination is a range specification), assign the destination network address to the destination address and assign the netmask to the range.*

<An setting example>

0/192.168.2.0/255.255.255.0/192.168.1.254/01:

Packets for 192.168.2.0-192.168.2.255 are sent to 192.168.1.254 (router).

NOTE 6: *For a host specification (one router for destination), assign the destination host address to the destination address and assign "255.255.255.255" to the Netmask.*

<An setting example>

0/192.168.2.123/255.255.255.255/192.168.1.254/01:

Only packets for 192.168.2.123 are sent to 192.168.1.254 (router).

NOTE 7: *Default Gateway Address can be set only the address that allows the communication directory from the IP address of Maintenance port (CM0B Y=0XX)/VOIP port (CM0B Y=1XX) without a router (available to set only the address within the same network as the IP address of Maintenance port or VOIP port).*

COMMAND CODE	TITLE:
0D	IP NETWORK ASSIGNMENT

Routing Table Status Display

◀: Default

Y		1ST DATA		TABLE DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
01	Display routing table status (Only display)	01XX	01 : Unit No. (fixed) XX: Entry No. (00-19)	Z 0/aaa...aaa/bbb...bbb/ccc...ccc/01 NONE◀	Routing table data NOTE No data	

NOTE: *The read contents of the second data (table data) are as follows.*

0D00>01XX: Z 0/aaa...aaa/bbb...bbb/ccc...ccc/01

Z : Setting status of the Routing Table

A/N: Routing table status apply/Not applied

0 : Fixed value

aaa...aaa: Destination Address (0.0.0.1-255.255.255.254 [Maximum 15 digits])

bbb...bbb: Netmask (255.0.0.0-255.255.255.255 [Maximum 15 digits])

ccc...ccc : Gateway Address (0.0.0.1-255.255.255.254 [Maximum 15 digits])

01 : Fixed value

COMMAND CODE	TITLE:
10	STATION NUMBER, TRUNK NUMBER, BLADE NUMBER

FUNCTION:

This command is used to assign station numbers, trunk numbers, and blade numbers to Physical Port No. (Unit No. + Slot No. + Circuit No.)/Virtual Port No.

PRECAUTION:

(1) When deleting a station number (Single Line or Multiline Terminal), be sure to delete Call Pickup data (CM16), ACD/UCD Group data (CM17) and Station Hunting Group data (CM18) in advance.

(2) After assigning the data for GCD-2BRIA (ISDN Telephone), you must unplug the circuit blades, then plug them again (After unplugging the circuit blade, you must wait for 30 seconds before plugging the circuit blade again.).

(3) Maximum of 6 digits station number should be assigned when providing PMS.

ASSIGNMENT PROCEDURE:

[ST] + 10YY + [DE] + PHYSICAL PORT No. (UNIT No. + SLOT No. + CIRCUIT No.)/ VIRTUAL PORT No. (3-6 digits) +

[DE] + STATION NUMBER / TRUNK NUMBER / BLADE NUMBER (1-10 digits) + [EXE]

DATA TABLE:

Y		STATION NUMBER (A)		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
00	TDM terminal/Trunk registration See "About Unit number, Slot number and Circuit number" See "Setting method of Port number/Station number in Dual port mode"	XXYYZZ	Physical Port number XX: Unit number (01-50) YY: Slot number (01-18) ZZ: Circuit number (01-32) NOTE 1	X-XXXX XXXX	Single Line station number (1-8 digits) X: 0-9, A (*), B (#)	CM12 CM13

Continued on next page

COMMAND CODE	TITLE:
10	STATION NUMBER, TRUNK NUMBER, BLADE NUMBER

◀ : Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
00	TDM terminal/Trunk registration ☞ See "About Unit number, Slot number and Circuit number" ☞ See "Setting method of Port number/Station number in Dual port mode"	XXYYZZ	Physical Port number XX: Unit number (01-50) YY: Slot number (01-18) ZZ: Circuit number (01-32)	D000 ~ D511	Trunk number (C.O./Tie Line, Paging, Radio Paging) NOTE 2, NOTE 3 RESET BLADE RESET	CM30 CM35
				E000 ~ E007	DESKCON number (0-7) BLADE RESET	CM90 CM60
				E100 ~ E131	DSS Console number (00-31) NOTE 4	CM96 CM97
				EC00 ~ EC31	Add-on Module number NOTE 4	CM90 CM98
				EFX ~ EF XXXX XXXX	ISDN line station number X-XXXXXXXX represents ISDN line station number. X: 0-9, A (*), B (#)	
				FX ~ F XXXX XXXX	Digital Multiline Terminal station number X-XXXXXXXX represents My Line number. X: 0-9, A (*), B (#) NOTE 1, NOTE 5	CM90
				NONE◀	No data	

Continued on next page

COMMAND CODE	TITLE:
10	STATION NUMBER, TRUNK NUMBER, BLADE NUMBER

◀ : Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
01	IP terminal registration	0000 ≀ 1535	Virtual Port number (for IP terminal)	FX ≀ F XXXX XXXX	IP Station number X: 0-9, A (*), B (#) **NOTE 5**	
				E100 ≀ E131	DSS Console number (00-31) **NOTE 4, NOTE 6**	CM96 CM97
				EC00 ≀ EC31	Add-on Module number **NOTE 4**	CM90 CM98
				EEC000 ≀ EEC127	SIP Converter Number **NOTE 7, NOTE 8** (RESET)	
				NONE◀	No data	
02	IPT (P2P CCIS) registration (IPT (P2P CCIS) RESET)	000 ≀ 511	Virtual Port number (for IPT [P2P CCIS])	D000 ≀ D511	Trunk No.	
				NONE◀	No data	

NOTE 1: *When assigning station numbers for UCE Mobility function, it is recommended to register the station numbers to the LC/DLC circuits 17-32.*

NOTE 2: *This data requires a system reset for CCT, and a blade reset for LDT/ODT/DTI after data setting.*

NOTE 3: *A reset of the COT blade is required after setting of C.O. trunk (Grand Start) for North America.*

NOTE 4: *The same number (the last two digits of the data) should not be used for both DSS Console (E100-E131) and Add-on Module (EC00-EC31).*

Continued on next page

COMMAND CODE	TITLE:
10	STATION NUMBER, TRUNK NUMBER, BLADE NUMBER

NOTE 5: *When Digital Multiline Terminal or IP station is assigned by CM10 Y=00/01: FX-FXXXXXXXX, the second data of each office data below is automatically set to "0" (To provide/To store).*
- CM13 Y=41: 0 (To store the call record when answering a station call.)
- CM13 Y=49: 0 (To store the call record when handling an unanswered call.)
- CM13 Y=60: 0 (To store the call record when answering a trunk call.)
- CM13 Y=61: 0 (To store the call record when handling an unanswered trunk call)

NOTE 6: *This data is set when DSS console is connected to the side option of the DT700/DT800/DT900 Series.*

NOTE 7: *Simultaneous call by three Standard SIP stations is available per SIP converter.*

NOTE 8: *A reset of the Standard SIP station is required to enable this command setting after the System Reset.*

Continued on next page

COMMAND CODE	TITLE:
10	STATION NUMBER, TRUNK NUMBER, BLADE NUMBER

◀ : Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
03	SIP trunk registration (RESET)	XXYYY	Virtual Port number (for SIP trunk) XX : 01-50 (Unit No.) YYY: 000-127 (Port No. for voice channel)	D000 ~ D511	Trunk No.	
				NONE◀	No data	
		NOTE 1: *SIP trunk can be accommodated by all Units (Unit No. 01-50).* **NOTE 2:** *Set one virtual port number for control channel between 000 and 015 for each carrier.* **NOTE 3:** *Every port assigned by this command is used as a voice channel.* **NOTE 4:** *When voice channels are assigned to all Virtual Ports, up to 127 voice channels for 9300V3 STEP2 software or later (100 voice channels for 9300V3 software or before) are available per Unit. Up to 512 channels are available per System.* **NOTE 5:** *Set Trunk No.s in serial manner in order to utilize ports efficiently.* **NOTE 6:** *License for SIP trunk channel is consumed sequentially from the lowest trunk number.* **NOTE 7:** *For virtual port number for voice channel, trunk route is allocated by CM30 Y=00 for each carrier.*				
04	Standard SIP station registration	XXX ~ XXXX	Virtual Port number (For Standard SIP station) XXX-XXXX : 000-1023	X ~ XXXX XXXX	Standard SIP station No. X: 0-9, A (*), B (#)	
				NONE◀	No data	

Continued on next page

COMMAND CODE	TITLE:
10	STATION NUMBER, TRUNK NUMBER, BLADE NUMBER

■ About Unit number, Slot number and Circuit number

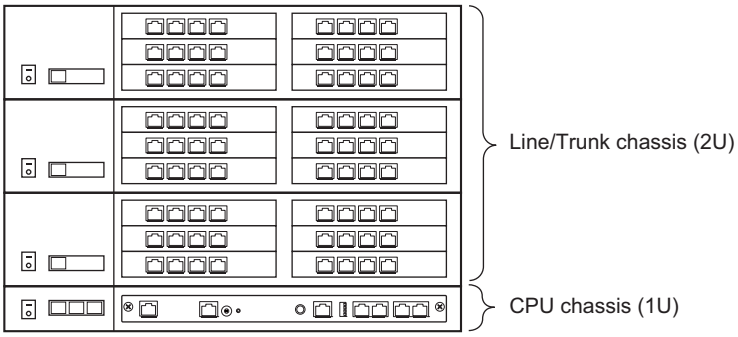
The following describes the Unit number, Slot number and Circuit number that are set by CM05 and CM10.

(1) Unit Number

The Unit means the Main Unit that consists of CPU chassis (1U) and Line/Trunk chassis (2U). Up to a maximum of 50 Units can be installed, and each Unit is managed by the Unit number. The Unit numbers 01-04 are used for the Stand-alone system or the Main Unit of the Remote UNIT over IP system. The Unit numbers 05-50 are used for the Remote Unit of the Remote UNIT over IP system.

The following shows the Unit configuration and the outline of the Units.

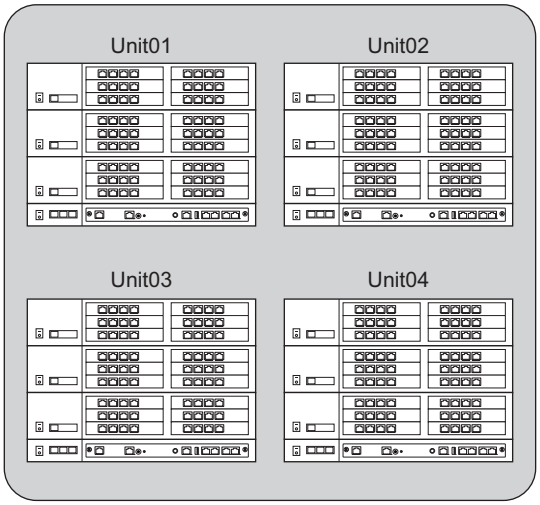
Unit Configuration



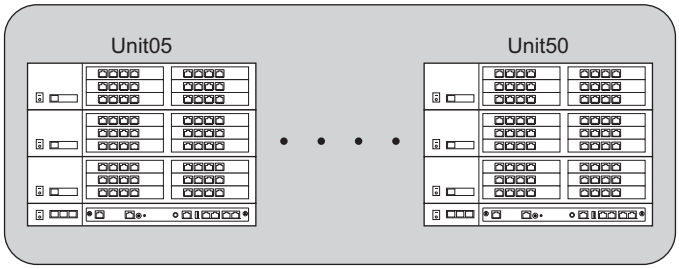
Continued on next page

COMMAND CODE	TITLE:
10	STATION NUMBER, TRUNK NUMBER, BLADE NUMBER

Outline of the Unit No.



Stand-alone system/
Main Unit for Remote UNIT over IP



Remote Unit for Remote UNIT over IP

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COMMAND CODE	TITLE:
10	STATION NUMBER, TRUNK NUMBER, BLADE NUMBER

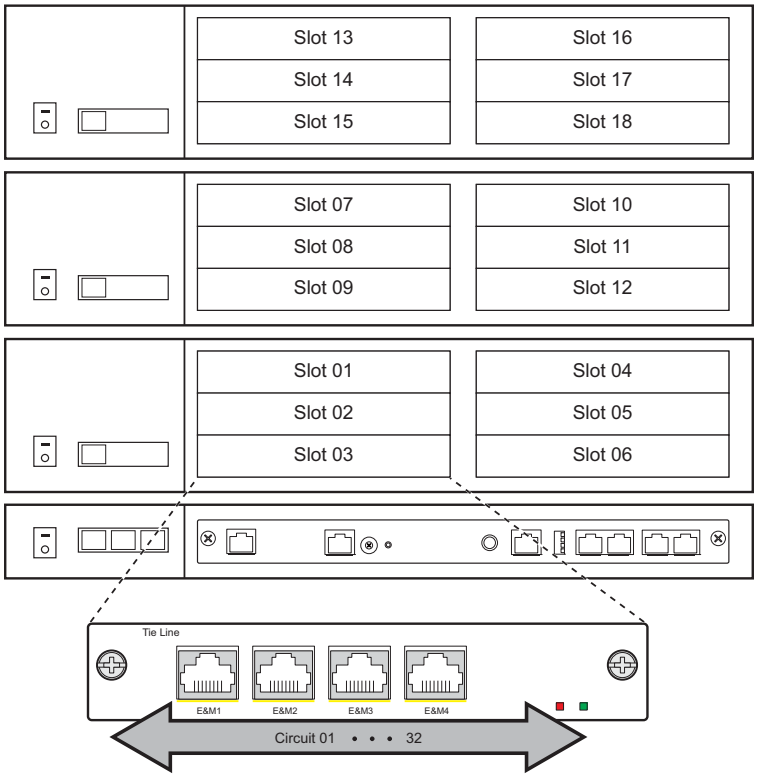
(2) Slot number and Circuit number

The Slot number is the number assigned to the slot which accommodates the blade in a Line/Trunk chassis.

The Circuit number is the number assigned to the circuit which accommodates the blade in a Line/Trunk chassis.

The following shows the outline of the Slot number and Circuit number.

Outline of the Slot No. and Circuit No.



Example: When assigning the station number “300” for the DLC blade accommodated to Slot No. 01 of the Unit01 and for the Multiline Terminal accommodated to the Circuit No. 01.

- Data settings for CM05: CM05 Y=0>0101: 10
- Data settings for CM10: CM10 Y=00>010101: F300

Continued on next page

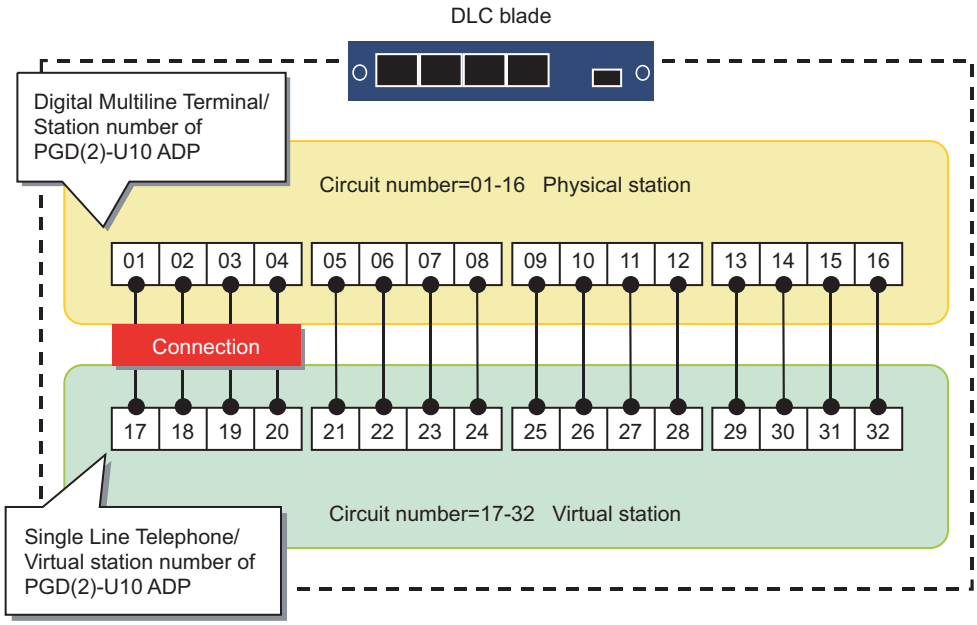
COMMAND CODE	TITLE:
10	STATION NUMBER, TRUNK NUMBER, BLADE NUMBER

■ Setting method of Port number/Station number in Dual port mode

When using Analog Port Adapter and PGD(2)-U10 ADP in Dual port mode **NOTE 1**, the Circuit numbers (17-32) of the DLC blade slot which accommodate Digital Multiline terminal/PGD(2)-U10 ADP are used for the virtual station. Therefore, the virtual station number for Single Line Telephone/PGD(2)-U10 ADP need to be registered to the Circuit numbers (17-32). Then, match the Circuit numbers (01-16) of the physical station and the Circuit numbers (17-32) of the virtual station (see figure below). For example, the Circuit number 17 corresponds to Single Line Telephone connected to the Circuit number 01 of Digital Multiline Terminal.

Example:

- CM10 Y=00>010101: F200 (Station number of Digital Multiline Terminal)
- CM10 Y=00>010117: F300 (Station number of Single Line Telephone)



NOTE 1: *When 2 Paging devices are connected to a PGD(2)-U10 ADP, the setting of Dual port mode is required as with Analog Port Adapter (related command: CM13 Y=32/33/34).*

NOTE 2: *The virtual station needs system capacity licenses only for the number of ports to be used. Even when the virtual station is not connected, to just set the data for Dual port mode becomes the subject of license.*

Continued on next page

COMMAND CODE	TITLE:
10	STATION NUMBER, TRUNK NUMBER, BLADE NUMBER

NOTE 3: *When a new virtual station is added, reassignment of highway channel (CMF7 Y=9) and blade reset (CME0 Y=3) are required for all DLC blade which is accommodated by Line/ Trunk chassis (2U) after office data setting.*

COMMAND CODE	TITLE:
11	VIRTUAL LINE NUMBER

FUNCTION:

This command is used to assign station numbers, Intercom numbers, Loop Line numbers and ICI/OPR Line numbers (for Multiline Terminal Attendant Position) to Virtual Lines assigned on Multiline Terminal.

PRECAUTION:

(1) Virtual Line station numbers must be different from station numbers assigned by CM10.

(2) The Virtual Port No. has no relation to the Physical/Virtual Port No. used in CM10.
Therefore, any Virtual Port No. can be assigned to each Virtual Line station number.

(3) The system can accommodate maximum 1000 Virtual Line stations.
The accommodatable number of Virtual Line stations are difference calculated by subtracting number of accommodated Multiline Terminals from total number of ports (=2000).

(4) The following station data can be assigned to the Virtual Line station numbers.
- Station Class-1 (CM12)
- Station Class-2 (CM13)
- Service Restriction Class (CM15)
- Call Pickup Group/Group Diversion Group (CM16)
- ACD/UCD Group (CM17)
- Station Hunting Group (CM18)
- Direct-in Termination in Day/Night Mode (CM30 Y=04, 05)
- Call Forwarding-Busy Line
- Call Forwarding-No Answer
- Call Forwarding-I'm here (-Destination)
- Call Pickup
- Call Back (In this setting, My Line number is called back.)
- Outgoing Trunk Queuing (Trunk Queuing-Outgoing) (In this setting, My Line number is called back.)

(5) The same condition as My Line is applied to calls from the virtual line station.
Billing of virtual line station is executed to its My Line number.

COMMAND CODE	TITLE:
11	VIRTUAL LINE NUMBER

ASSIGNMENT PROCEDURE:

[ST] + 11 + [DE] + VIRTUAL PORT NUMBER (4 digits) + [DE] + VIRTUAL LINE NUMBER (1-8 digits) / INTERCOM NUMBER (4 digits) + [EXE]

DATA TABLE:

VIRTUAL PORT No.	VIRTUAL LINE NUMBER		RELATED COMMAND
0000-0999	X ~ XXXXXXXX	Station number (1-8 digits) X: 0-9, A (*), B (#)	CM20 CM90
	A000 ~ A031 A100 ~ A131	Automatic Intercom number AX YY X : 0/1 to be made one pair YY : Automatic Intercom Group No. (00-31) NOTE 1	CM12 Y=03 CM56 Y=10 CM90
	A200 ~ A700 A201 ~ A701 ⋮ A224 ~ A724	Manual Intercom number AX YY X : Serial number in a Group (2-7) YY : Manual Intercom Group number (00-24) NOTE 2	CM12 Y=03 CM56 Y=11 CM90

Continued on next page

COMMAND CODE	TITLE:
11	VIRTUAL LINE NUMBER

◀ : Default

VIRTUAL PORT No.	VIRTUAL LINE NUMBER		RELATED COMMAND
0000-0999	B000 ~ B900 B001 ~ B901 ⋮ B024 ~ B924	Dial Intercom number BX YY X : Intercom Code (0-9) YY : Dial Intercom Group number (00-24) NOTE 3	CM12 Y=03 CM56 Y=12 CM90
	AA01 ~ AA05 AA11 ~ AA15 ⋮ AA71 ~ AA75	Loop Line number for Multiline Terminal Attendant Position AAX Y X: Attendant Position number (0-7) Y: Loop number (1-5) NOTE 4	CM12 Y=03 CM90
	AB00 ~ AB99	ICI/OPR Line number for Multiline Terminal Attendant Position	CM12 Y=02 CM15 Y=073 CM17 Y=1, 2 CM90 Y=00
	NONE◀	No data	

Continued on next page

COMMAND CODE	TITLE:
11	VIRTUAL LINE NUMBER

NOTE 1: *Automatic Intercom numbers are assigned as shown below:*

AUTOMATIC INTERCOM GROUP	*AUTOMATIC INTERCOM No. (A)*	*AUTOMATIC INTERCOM No. (B)*
00	*A000*	*A100*
01	*A001*	*A101*
≀	≀	≀
31	*A031*	*A131*

NOTE 2: *Manual Intercom numbers are assigned as shown below:*

MANUAL INTERCOM GROUP	*INTERCOM NUMBER*
00	*A200, A300, A400, A500, A600, A700*
01	*A201, A301, A401, A501, A601, A701*
≀	≀
24	*A224, A324, A424, A524, A624, A724*

NOTE 3: *Dial Intercom numbers are assigned as shown below:*

DIAL INTERCOM GROUP	*INTERCOM NUMBER*
00	*B000, B100, B200, …… B900*
01	*B001, B101, B201, …… B901*
≀	≀
24	*B024, B124, B224, …… B924*

NOTE 4: *Loop Line numbers are assigned as shown below:*

ATTENDANT POSITION	*LOOP LINE NUMBER*
0	*AA01, AA02, AA03, AA04, AA05*
1	*AA11, AA12, AA13, AA14, AA15*
≀	≀
7	*AA71, AA72, AA73, AA74, AA75*

COMMAND CODE	TITLE:
12	STATION CLASS-1

FUNCTION:

The features for each station are determined by assigning Station Class-1 to each station number.

PRECAUTION:

(1) When assigning Station Class-1 to Multiline Terminal by this command, enter "X-XXXXXXXX (My Line number)" of FX-FXXXXXXXX, which is assigned by CM10 Y=00, as the first data.
Also when assigning to IP Station, enter "X-XXXXXXXX (IP station number)" of FX-FXXXXXXXX, which is assigned by CM10 Y=01, as the first data.

(2) The table below shows the key layout for Line/Trunk/Feature Keys and One Touch Keys of the Multiline Terminals.

	CM12 Y=24: 7 (A mode)	CM12 Y=24: 0 (B mode)
DT310/ DT410/ DT710 (2 Keys)	LINE01 LINE02	Same as CM12 Y=24: 7 (A mode)
DT310/ DT410/ DT510/ DT710/ DT820 / DT920 (6 Keys)	LINE01 LINE02 LINE03 LINE04 LINE05 LINE06	Same as CM12 Y=24: 7 (A mode)
DT330/ DT430/ DT530/ DT730/ DT830/ DT920 (12 Keys)	LINE01 LINE02 LINE03 LINE04 LINE05 LINE06 LINE07 LINE08 LINE09 LINE10 LINE11 LINE12	Same as CM12 Y=24: 7 (A mode)

LINEXX: Line/Trunk/Feature Key
DSS : One Touch Key

Continued on next page

COMMAND CODE	TITLE:
12	STATION CLASS-1

	CM12 Y=24: 7 (A mode)	CM12 Y=24: 0 (B mode)
DT330/ DT430/ DT530/ DT730/ DT830 (12 Keys)+ 8LK	LINE01 LINE02 LINE03 LINE04 LINE05 LINE06 DSS LINE07 LINE08 LINE09 LINE10 LINE11 LINE12 DSS DSS DSS DSS DSS DSS DSS	Same as CM12 Y=24: 7 (A mode)
DT330/ DT430/ DT530/ DT730/ DT830 (12 Keys)+ 16LK	LINE01 LINE02 LINE03 LINE04 LINE05 LINE06 DSS DSS LINE07 LINE08 LINE09 LINE10 LINE11 LINE12 DSS DSS DSS DSS DSS DSS DSS DSS DSS DSS DSS DSS DSS DSS	Same as CM12 Y=24: 7 (A mode)
DT330/ DT730 (12 Keys)+ 12LK	LINE01 LINE02 LINE03 LINE04 LINE05 LINE06 LINE07 LINE08 LINE09 LINE10 LINE11 LINE12 LINE13 LINE14 LINE15 LINE16 LINE17 LINE18 DSS DSS DSS DSS DSS DSS	LINE01 LINE02 LINE03 LINE04 LINE05 LINE06 LINE07 LINE08 LINE09 LINE10 LINE11 LINE12 LINE13 LINE14 LINE15 LINE16 LINE17 LINE18 LINE19 LINE20 LINE21 LINE22 LINE23 LINE24
DT330/ DT430/ DT530/ DT730/ DT830/ DT930 (24 Keys)	LINE01 LINE02 LINE03 LINE04 LINE05 LINE06 LINE07 LINE08 LINE09 LINE10 LINE11 LINE12 LINE13 LINE14 LINE15 LINE16 LINE17 LINE18 DSS DSS DSS DSS DSS DSS	LINE01 LINE02 LINE03 LINE04 LINE05 LINE06 LINE07 LINE08 LINE09 LINE10 LINE11 LINE12 LINE13 LINE14 LINE15 LINE16 LINE17 LINE18 LINE19 LINE20 LINE21 LINE22 LINE23 LINE24

LINEXX: Line/Trunk/Feature Key
DSS : One Touch Key

Continued on next page

COMMAND CODE	TITLE:
12	STATION CLASS-1

	CM12 Y=24: 7 (A mode)	CM12 Y=24: 0 (B mode)
DT330/ DT430/ DT530/ DT730/ DT830/ DT930 (24 Keys) +8LK	LINE01 LINE02 LINE03 LINE04 LINE05 LINE06 DSS LINE07 LINE08 LINE09 LINE10 LINE11 LINE12 DSS LINE13 LINE14 LINE15 LINE16 LINE17 LINE18 DSS DSS DSS DSS DSS DSS DSS DSS DSS DSS DSS DSS	LINE01 LINE02 LINE03 LINE04 LINE05 LINE06 DSS LINE07 LINE08 LINE09 LINE10 LINE11 LINE12 DSS LINE13 LINE14 LINE15 LINE16 LINE17 LINE18 DSS LINE19 LINE20 LINE21 LINE22 LINE23 LINE24 DSS DSS DSS DSS DSS
DT330/ DT430/ DT530/ DT730/ DT830/ DT930 (24 Keys) +16LK	LINE01 LINE02 LINE03 LINE04 LINE05 LINE06 DSS DSS LINE07 LINE08 LINE09 LINE10 LINE11 LINE12 DSS DSS LINE13 LINE14 LINE15 LINE16 LINE17 LINE18 DSS DSS DSS DSS DSS DSS DSS DSS DSS DSS DSS DSS DSS DSS DSS DSS DSS DSS	LINE01 LINE02 LINE03 LINE04 LINE05 LINE06 DSS DSS LINE07 LINE08 LINE09 LINE10 LINE11 LINE12 DSS DSS LINE13 LINE14 LINE15 LINE16 LINE17 LINE18 DSS DSS LINE19 LINE20 LINE21 LINE22 LINE23 LINE24 DSS DSS DSS DSS DSS DSS DSS DSS DSS DSS
DT330/ DT430/ DT730/ DT750/ DT820/ DT830 [DESI-less]/ DT920 [Self-Labeling] (8 Keys)	Front Page: LINE01 LINE05 / LINE02 LINE06 / LINE03 LINE07 / LINE04 LINE08 Page 2: LINE09 LINE13 / LINE10 LINE14 / LINE11 LINE15 / LINE12 LINE16 Page 3: DSS DSS / DSS DSS / DSS DSS / DSS DSS Page 4: DSS DSS / DSS DSS / DSS DSS / DSS DSS	Front Page: LINE01 LINE05 / LINE02 LINE06 / LINE03 LINE07 / LINE04 LINE08 Page 2: LINE09 LINE13 / LINE10 LINE14 / LINE11 LINE15 / LINE12 LINE16 Page 3: LINE17 LINE21 / LINE18 LINE22 / LINE19 LINE23 / LINE20 LINE24 Page 4: DSS DSS / DSS DSS / DSS DSS / DSS DSS

LINEXX: Line/Trunk/Feature Key
DSS : One Touch Key

Continued on next page

COMMAND CODE	TITLE:
12	STATION CLASS-1

	CM12 Y=24: 7 (A mode)	CM12 Y=24: 0 (B mode)
DT330/ DT430/ DT730/ DT830 [DESI-less] (8 Keys)+ 8LK	Front Page: LINE01, LINE05, DSS; LINE02, LINE06, DSS; LINE03, LINE07, DSS; LINE04, LINE08, DSS Page 2: LINE09, LINE13, DSS; LINE10, LINE14, DSS; LINE11, LINE15, DSS; LINE12, LINE16, DSS Page 3: DSS, DSS, DSS; DSS, DSS, DSS; DSS, DSS, DSS; DSS, DSS, DSS Page 4: DSS, DSS, DSS; DSS, DSS, DSS; DSS, DSS, DSS; DSS, DSS, DSS	Front Page: LINE01, LINE05, DSS; LINE02, LINE06, DSS; LINE03, LINE07, DSS; LINE04, LINE08, DSS Page 2: LINE09, LINE13, DSS; LINE10, LINE14, DSS; LINE11, LINE15, DSS; LINE12, LINE16, DSS Page 3: LINE17, LINE21, DSS; LINE18, LINE22, DSS; LINE19, LINE23, DSS; LINE20, LINE24, DSS Page 4: DSS, DSS, DSS; DSS, DSS, DSS; DSS, DSS, DSS; DSS, DSS, DSS
DT330/ DT430/ DT730/ DT830 [DESI-less] (8 Keys)+ 16LK	Front Page: LINE01, LINE05, DSS, DSS; LINE02, LINE06, DSS, DSS; LINE03, LINE07, DSS, DSS; LINE04, LINE08, DSS, DSS Page 2: LINE09, LINE13, DSS, DSS; LINE10, LINE14, DSS, DSS; LINE11, LINE15, DSS, DSS; LINE12, LINE16, DSS, DSS Page 3: DSS, DSS, DSS, DSS; DSS, DSS, DSS, DSS; DSS, DSS, DSS, DSS; DSS, DSS, DSS, DSS Page 4: DSS, DSS, DSS, DSS; DSS, DSS, DSS, DSS; DSS, DSS, DSS, DSS; DSS, DSS, DSS, DSS	Front Page: LINE01, LINE05, DSS, DSS; LINE02, LINE06, DSS, DSS; LINE03, LINE07, DSS, DSS; LINE04, LINE08, DSS, DSS Page 2: LINE09, LINE13, DSS, DSS; LINE10, LINE14, DSS, DSS; LINE11, LINE15, DSS, DSS; LINE12, LINE16, DSS, DSS Page 3: LINE17, LINE21, DSS, DSS; LINE18, LINE22, DSS, DSS; LINE19, LINE23, DSS, DSS; LINE20, LINE24, DSS, DSS Page 4: DSS, DSS, DSS, DSS; DSS, DSS, DSS, DSS; DSS, DSS, DSS, DSS; DSS, DSS, DSS, DSS

LINEXX: Line/Trunk/Feature Key
DSS : One Touch Key

Continued on next page

COMMAND CODE	TITLE:
12	STATION CLASS-1

<table>
<tr><th></th><th>CM12 Y=24: 7 (A mode)</th><th>CM12 Y=24: 0 (B mode)</th></tr>
<tr><td>DT930 (Touch Panel)</td><td>
<table>
<tr><td>LINE01</td><td>LINE02</td><td>LINE03</td><td>LINE04</td></tr>
<tr><td>LINE05</td><td>LINE06</td><td>LINE07</td><td>LINE08</td></tr>
<tr><td>LINE09</td><td>LINE10</td><td>LINE11</td><td>LINE12</td></tr>
<tr><td>LINE13</td><td>LINE14</td><td>LINE15</td><td>LINE16</td></tr>
<tr><td>DSS</td><td>DSS</td><td>DSS</td><td>DSS</td></tr>
<tr><td>DSS</td><td>DSS</td><td>DSS</td><td>DSS</td></tr>
<tr><td>DSS</td><td>DSS</td><td>DSS</td><td>DSS</td></tr>
<tr><td>DSS</td><td>DSS</td><td>DSS</td><td>DSS</td></tr>
</table>
</td><td>
<table>
<tr><td>LINE01</td><td>LINE02</td><td>LINE03</td><td>LINE04</td></tr>
<tr><td>LINE05</td><td>LINE06</td><td>LINE07</td><td>LINE08</td></tr>
<tr><td>LINE09</td><td>LINE10</td><td>LINE11</td><td>LINE12</td></tr>
<tr><td>LINE13</td><td>LINE14</td><td>LINE15</td><td>LINE16</td></tr>
<tr><td>LINE17</td><td>LINE18</td><td>LINE19</td><td>LINE20</td></tr>
<tr><td>LINE21</td><td>LINE22</td><td>LINE23</td><td>LINE24</td></tr>
<tr><td>DSS</td><td>DSS</td><td>DSS</td><td>DSS</td></tr>
<tr><td>DSS</td><td>DSS</td><td>DSS</td><td>DSS</td></tr>
</table>
</td></tr>
<tr><td>DT710 [DESI-less] (8 Keys)</td><td>
<table>
<tr><td>LINE01</td><td>LINE05</td></tr>
<tr><td>LINE02</td><td>LINE06</td></tr>
<tr><td>LINE03</td><td>LINE07</td></tr>
<tr><td>LINE04</td><td>LINE08</td></tr>
</table>
</td><td>Same as CM12 Y=24: 7 (A mode)</td></tr>
<tr><td>DT300 Series [Cordless handset] (12 Keys)</td><td>
<table>
<tr><td>LINE01</td><td>LINE02</td><td>LINE03</td><td>LINE04</td><td>LINE05</td><td>LINE06</td></tr>
<tr><td>LINE07</td><td>LINE08</td><td>LINE09</td><td>LINE10</td><td>LINE11</td><td>LINE12</td></tr>
</table>
• The key layout of the Cordless Handset is as follows.
<table>
<tr><td>LINE01</td><td>LINE02</td><td>LINE03</td><td>LINE04</td></tr>
<tr><td>LINE05</td><td>LINE06</td><td>LINE07</td><td>LINE08</td></tr>
</table>
</td><td>Same as CM12 Y=24: 7 (A mode)</td></tr>
<tr><td rowspan="2">D^{term} Series i/ D^{term}IP (32 Keys)</td><td>
<table>
<tr><td>LINE01</td><td>LINE02</td><td>LINE03</td><td>LINE04</td><td>LINE05</td><td>LINE06</td><td>LINE07</td><td>LINE08</td></tr>
<tr><td>LINE09</td><td>LINE10</td><td>LINE11</td><td>LINE12</td><td>LINE13</td><td>LINE14</td><td>LINE15</td><td>LINE16</td></tr>
<tr><td>DSS</td><td>DSS</td><td>DSS</td><td>DSS</td><td>DSS</td><td>DSS</td><td>DSS</td><td>DSS</td></tr>
<tr><td>DSS</td><td>DSS</td><td>DSS</td><td>DSS</td><td>DSS</td><td>DSS</td><td>DSS</td><td>DSS</td></tr>
</table>
</td><td>
<table>
<tr><td>LINE01</td><td>LINE02</td><td>LINE03</td><td>LINE04</td><td>LINE05</td><td>LINE06</td><td>LINE07</td><td>LINE08</td></tr>
<tr><td>LINE09</td><td>LINE10</td><td>LINE11</td><td>LINE12</td><td>LINE13</td><td>LINE14</td><td>LINE15</td><td>LINE16</td></tr>
<tr><td>LINE17</td><td>LINE18</td><td>LINE19</td><td>LINE20</td><td>LINE21</td><td>LINE22</td><td>LINE23</td><td>LINE24</td></tr>
<tr><td>DSS</td><td>DSS</td><td>DSS</td><td>DSS</td><td>DSS</td><td>DSS</td><td>DSS</td><td>DSS</td></tr>
</table>
</td></tr>
<tr><td>
<table>
<tr><td>LINE01</td><td>LINE02</td><td>LINE03</td><td>LINE04</td><td>DSS</td><td>DSS</td></tr>
<tr><td>LINE05</td><td>LINE06</td><td>LINE07</td><td>LINE08</td><td>DSS</td><td>DSS</td></tr>
<tr><td>LINE09</td><td>LINE10</td><td>LINE11</td><td>LINE12</td><td>DSS</td><td>DSS</td></tr>
<tr><td>LINE13</td><td>LINE14</td><td>LINE15</td><td>LINE16</td><td>DSS</td><td>DSS</td></tr>
<tr><td colspan="4"></td><td>DSS</td><td>DSS</td></tr>
<tr><td colspan="4"></td><td>DSS</td><td>DSS</td></tr>
<tr><td colspan="4"></td><td>DSS</td><td>DSS</td></tr>
<tr><td colspan="4"></td><td>DSS</td><td>DSS</td></tr>
</table>
</td><td>
<table>
<tr><td>LINE01</td><td>LINE02</td><td>LINE03</td><td>LINE04</td><td>LINE05</td><td>LINE06</td></tr>
<tr><td>LINE07</td><td>LINE08</td><td>LINE09</td><td>LINE10</td><td>LINE11</td><td>LINE12</td></tr>
<tr><td>LINE13</td><td>LINE14</td><td>LINE15</td><td>LINE16</td><td>LINE17</td><td>LINE18</td></tr>
<tr><td>LINE19</td><td>LINE20</td><td>LINE21</td><td>LINE22</td><td>LINE23</td><td>LINE24</td></tr>
<tr><td colspan="4"></td><td>DSS</td><td>DSS</td></tr>
<tr><td colspan="4"></td><td>DSS</td><td>DSS</td></tr>
<tr><td colspan="4"></td><td>DSS</td><td>DSS</td></tr>
<tr><td colspan="4"></td><td>DSS</td><td>DSS</td></tr>
</table>
</td></tr>
</table>

LINEXX: Line/Trunk/Feature Key
DSS : One Touch Key

Continued on next page

COMMAND CODE	TITLE:
12	STATION CLASS-1

	CM12 Y=24: 7 (A mode)	CM12 Y=24: 0 (B mode)
D^{term} Series i/ $D^{term}IP$ (16 Keys)	LINE01 LINE02 LINE03 LINE04 LINE05 LINE06 LINE07 LINE08 LINE09 LINE10 LINE11 LINE12 LINE13 LINE14 LINE15 LINE16	Same as CM12 Y=24: 7 (A mode)
	LINE01 LINE02 LINE03 LINE04 LINE05 LINE06 LINE07 LINE08 LINE09 LINE10 LINE11 LINE12 LINE13 LINE14 LINE15 LINE16	Same as CM12 Y=24: 7 (A mode)
	LINE01 LINE02 LINE09 LINE10 LINE03 LINE04 LINE11 LINE12 LINE05 LINE06 LINE13 LINE14 LINE07 LINE08 LINE15 LINE16	Same as CM12 Y=24: 7 (A mode)
D^{term} Series i/ $D^{term}IP$ (8 Keys)	LINE01 LINE02 LINE03 LINE04 LINE05 LINE06 LINE07 LINE08	Same as CM12 Y=24: 7 (A mode)
	LINE01 LINE02 LINE03 LINE04 LINE05 LINE06 LINE07 LINE08	Same as CM12 Y=24: 7 (A mode)

LINEXX: Line/Trunk/Feature Key
DSS : One Touch Key

COMMAND CODE	TITLE:
12	STATION CLASS-1

(3) The data for Single Line station number, My Line number of Multiline Terminal, Virtual Line station number, Automatic/Manual/Dial Intercom number, Loop Line number and ICI/OPR Line number, IP station number are shown in the table below.

×: To assign –: Not assigned

STATION NUMBER	Y																	
	00	01	02	03	04	05	07	11	12	13	16	19	20	22	23	24	25	26
Single line station number (Assigned by CM10 Y=00)	×	×	×	× (×)	×	× (×)	–	×	×	×	×	×	×	–	–	–	×	×
Multiline Terminal My line number (Assigned by CM10 Y=00)	–	×	×	× (×)	×	– (–)	×	×	×	×	×	×	–	* ×	* ×	×	×	×
Multiline Terminal Virtual line station number (Assigned by CM11)	–	×	×	× (×)	–	– (–)	–	×	×	×	×	–	–	–	–	×	–	–
Automatic Intercom number (Assigned by CM11)	–	–	–	× (–)	–	– (–)	–	–	–	–	–	–	–	–	–	–	–	–
Manual Intercom number (Assigned by CM11)	–	–	×	× (–)	–	– (–)	–	–	–	–	–	–	–	–	–	–	–	–
Dial intercom number (Assigned by CM11)	–	–	×	× (–)	–	– (–)	–	–	–	–	–	–	–	–	–	–	–	–
Loop Line number for Multiline Terminal Attendant Position (Assigned by CM11)	–	–	–	× (–)	–	– (–)	–	–	–	–	–	–	–	–	–	×	–	–
ICI/OPR Line number for Multiline Terminal (Assigned by CM11)	–	–	×	× (–)	–	– (–)	–	–	–	–	–	–	–	–	–	×	–	–
IP station number (Assigned by CM10 Y=01)	–	×	×	× (–)	×	–	×	×	×	×	–	–	–	×	×	×	–	×

( ) : "FAX Incoming Call lamp Indication" only.

* : CM12 Y=22, 23 are effective for $D^{term}85$ with 85 mode.
$D^{term}85$=D^{term} Series i

Continued on next page

COMMAND CODE	TITLE:
12	STATION CLASS-1

×: To assign –: Not assigned

STATION NUMBER	Y																
	29	30	31	32	33	34	35	36	37	39	43	44	45	46	47	50	51
Single line station number (Assigned by CM10 Y=00)	–	×	×	×	×	×	×	×	×	–	–	×	×	×	×	–	×
Multiline Terminal My line number (Assigned by CM10 Y=00)	×	×	×	×	×	×	×	×	×	–	–	×	×	×	×	–	×
Multiline Terminal Virtual line station number (Assigned by CM11)	–	×	×	×	×	×	×	×	×	–	×	–	×	×	×	–	×
Automatic Intercom number (Assigned by CM11)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Manual Intercom number (Assigned by CM11)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Dial intercom number (Assigned by CM11)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Loop Line number for Multi-line Terminal Attendant Position (Assigned by CM11)	–	–	–	–	–	–	–	–	–	–	–	×	–	–	–	–	–
ICI/OPR Line number for Multiline Terminal (Assigned by CM11)	–	–	–	–	–	–	–	–	–	–	–	×	–	–	–	–	–
IP station number (Assigned by CM10 Y=01)	×	×	×	×	×	×	×	×	×	×	–	×	×	×	×	×	×

Continued on next page

COMMAND CODE	TITLE:
12	STATION CLASS-1

×: To assign –: Not assigned

STATION NUMBER	Y																
	52	55	56	57	58	61	62	63	64	65	66	67	68	69	70	71	72
Single line station number (Assigned by CM10 Y=00)	×	×	×	–	–	×	–	–	×	–	–	–	–	×	×	–	–
Multiline Terminal My line number (Assigned by CM10 Y=00)	×	×	×	×	×	×	×	×	–	×	×	×	×	×	×	–	×
Multiline Terminal Virtual line station number (Assigned by CM11)	×	–	×	–	–	×	×	–	–	–	–	–	–	×	×	×	–
Automatic Intercom number (Assigned by CM11)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Manual Intercom number (Assigned by CM11)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Dial intercom number (Assigned by CM11)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Loop Line number for Multi-line Terminal Attendant Position (Assigned by CM11)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ICI/OPR Line number for Multiline Terminal (Assigned by CM11)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
IP station number (Assigned by CM10 Y=01)	×	×	×	×	×	×	×	×	–	–	–	–	–	×	×	–	×

Continued on next page

COMMAND CODE	TITLE:
12	STATION CLASS-1

×: To assign –: Not assigned

STATION NUMBER	Y																		
	73	76	77	78	79	80	83	84	85	87	88	89	90	92	93	96	97	98	100
Single line station number (Assigned by CM10 Y=00)	×	–	×	×	×	×	–	–	–	×	×	–	–	–	–	–	–	–	×
Multiline Terminal My line number (Assigned by CM10 Y=00)	×	–	×	×	×	×	×	×	×	–	×	×	–	–	–	–	–	–	×
Multiline Terminal Virtual line station number (Assigned by CM11)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Automatic Intercom number (Assigned by CM11)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Manual Intercom number (Assigned by CM11)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Dial intercom number (Assigned by CM11)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
Loop Line number for Multiline Terminal Attendant Position (Assigned by CM11)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
ICI/OPR Line number for Multiline Terminal (Assigned by CM11)	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
IP station number (Assigned by CM10 Y=01)	×	×	×	×	×	×	×	×	×	–	×	×	×	×	×	–	–	–	×

Continued on next page

COMMAND CODE	TITLE:
12	STATION CLASS-1

×: To assign –: Not assigned

STATION NUMBER	Y					
	101	102	103	104	106	107
Single line station number (Assigned by CM10 Y=00)	–	–	–	–	–	–
Multiline Terminal My line number (Assigned by CM10 Y=00)	–	–	–	–	–	–
Multiline Terminal Virtual line station number (Assigned by CM11)	–	–	–	–	–	×
Automatic Intercom number (Assigned by CM11)	–	–	–	–	–	–
Manual Intercom number (Assigned by CM11)	–	–	–	–	–	–
Dial intercom number (Assigned by CM11)	–	–	–	–	–	–
Loop Line number for Multiline Terminal Attendant Position (Assigned by CM11)	–	–	–	–	–	–
ICI/OPR Line number for Multiline Terminal (Assigned by CM11)	–	–	–	–	–	–
IP station number (Assigned by CM10 Y=01)	–	×	×	×	–	–

COMMAND CODE	TITLE:
12	STATION CLASS-1

ASSIGNMENT PROCEDURE:

ST + 12YY + DE + STATION No. (1-8 digits) / AUTOMATIC/ MANUAL/ DIAL INTERCOM No. (4 digits) / LOOP LINE No. (4 digits) / ICI/OPR LINE No. (4 digits) +

DE + DATA (1-12digits) + EXE

DATA TABLE:

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	DTMF or DP **NOTE:** *This data setting is not required for a Multiline Terminal.*	1 2 3◀	DP DTMF DP/DTMF	
01	Trunk Restriction Class	X Z 11◀	X: Day Trunk Restriction Class Z: Night Trunk Restriction Class Contents of Day/Night Trunk Restriction Class 1: Unrestricted (RCA) 2: Non-Restricted 1 (RCB) 3: Non-Restricted 2 (RCC) 4: Semi-Restricted 1 (RCD) 5: Semi-Restricted 2 (RCE) 6: Restricted 1 (RCF) 7: Restricted 2 (RCG) 8: Fully-Restricted (RCH) Restriction of Connection Trunk: CM35 Y=051-058 (OG) Y=061-068 (IC) Toll Restriction: CM81, CM8A	CM60 Y=02 CM35 Y=011 Y=051-058 Y=061-068 CM81 CM8A CM20 Y=0-3: A043
02	Service Restriction Class A, B	XX ZZ 1515◀	XX: Service Restriction Class A (00-15) ZZ: Service Restriction Class B (00-15) **NOTE:** *The features available in each class are programmed in CM15.*	CM15

Continued on next page

COMMAND CODE	TITLE:
12	STATION CLASS-1

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
03	Kind of Telephone	00 01 02 03	House Phone 0 House Phone 1 House Phone 2 House Phone 3	CM51 Y=14
		00 01 02 03	FAX Call Station Group No. 0 FAX Call Station Group No. 1 FAX Call Station Group No. 2 FAX Call Station Group No. 3	CM51 Y=14
		04	Hot Line/Delayed Hotline	CM52 Y=XX: Calling Side (0)
		05	Automatic Intercom	CM11 CM56 Y=10
		06	Manual Intercom	CM11 CM56 Y=11
		07	Dial Intercom	CM11 CM56 Y=12
		08	Multiline Terminal Attendant Position Loop Lines	CM11
		09	Delayed Hotline	CM41 Y=0>119 CM52 Y=00-99
		15◀	Ordinary Station (Other than data 00-09)	
04	Tenant	00 01◀ ~ 63	Tenant 00 Tenant 01 ~ Tenant 63	CM30 Y=01 CM15 Y=196

Continued on next page

COMMAND CODE	TITLE:
12	STATION CLASS-1

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
05	Accommodation of Single line telephone/FAX call station to Multiline Terminal's Multiline	0 1◀	Accommodated Not accommodated	CM10 CM90 CM13 Y=08
07	Service Restriction Class C	00 ~ 15◀	Service Restriction Class C (00-15) **NOTE:** *The features available in each Class are programmed in CM15.*	CM15
11	Kind of idle status of called station on DID MFC call	0 1 2 3◀	Called station idle (No Charge) Called station control (Charge) Called station idle (Charge) Called station idle (Charge)	
	Kind of idle status of called station on DID MFC call	0 1 3◀	Subscriber's Line Free (No Charge) Subscriber's Line control Subscriber's Line Free (Charge)	
12	ISDN/SIP subscriber number 1 (In-Dial No. 1)	X ~ XXXX NONE◀	ISDN/SIP subscriber number 1 (ISDN/SIP Indial No. 1-4 digits)/Calling party number (for MFC Signaling on DOD/Enhanced 911) No data	CM12 Y=13 CM8A Y=5XXX>176, 186
	NOTE: *During a call origination from a station to ISDN/SIP network, this command is used to notify the following numbers to the called party side as the calling number.* *- When a calling station is a Dial-In station: Dial-In No.* *- When a calling station is other than a Dial-In station: Area Code + Local Office Code + Subscriber No.*			
13	ISDN/SIP Local Office Code Table 1	00 ~ 14 15◀	ISDN/SIP Local Office Code Table number 00 ~ ISDN/SIP Local Office Code Table number 14 No data	CM12 Y=12 CM50 Y=05
	NOTE: *This data is used in combination with CM12 Y=12.*			

Continued on next page

COMMAND CODE	TITLE:
12	STATION CLASS-1

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
16	Trunk to be seized as Private Line on per station basis	D000 ~ D511 NONE◀	Trunk number No data	CM35 Y=018 CM35 Y=028 CM15 Y=025
	NOTE: *When assigning Private Line on a per station basis, Outgoing Trunk Queuing (Trunk Queuing- Outgoing) and Timed Queue features are not available.* *To restrict Outgoing Trunk Queuing, set the second data "0" by CM35 Y=028. Also to restrict Timed Queue, set the second data "0" by CM15 Y=025.*			
19	Combination of the main station and sub station for WCS Number Sharing	X ~ XXXXXXXX NONE◀	Main station number/Sub station number No data	
	NOTE: *Assign the data as follows.* *1st data: Main station (Multiline Terminal My line)* *2nd data: Sub station (PS)* *1st data: Sub station (PS)* *2nd data: Main station (Multiline Terminal My line)*			
20	Calling party information sent to the analog telephone for Caller ID-Station **[North America Only]**	0 1 3◀	Calling Party Number Calling Party Number and Calling Party Name Calling Party Number is not sent	CM04 Y=01>02 CM08>507 CM10 CM50 Y=00>8
22	Multiline Terminal Soft Keys	0 1◀	Not available Available	CM9A
23	Multiline Terminal Soft Key Pattern number	0 1 2 3◀	Pattern number 0 Pattern number 1 Pattern number 2 Pattern number 3	CM9A

Continued on next page

COMMAND CODE	TITLE:
12	STATION CLASS-1

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
24	Kind of Multiline Terminal	0 7◀	B mode A mode	CM94
	NOTE 1: *For the combination of Line/Trunk/Feature Keys and One Touch Keys of the Multiline Terminals, see PRECAUTION (2).* **NOTE 2:** *The default data of this command is "0" (B mode) when the station number is assigned by CM10.* **NOTE 3:** *After the 2nd data of CM12 Y=24 is changed, pull out and reconnect the modular connector of the Multiline Terminal.*			
25	Type of Voice Mail System (VMS) **NOTE:** *Effective only when CM08>443: 0.*	0 3◀	VMS with DTMF signaling VMS with MCI	CM08>443
26	Specification of Voice Mail Live Monitoring mode	0 1 3◀	Available (Automatic mode) Available (Manual mode) Not available	
29	Applying LCD display settings of Multiline Terminal	0 1◀	Execute Not executed	
	NOTE: *After changing the following system data, the changed data is promptly applied to each Multiline Terminal by setting this second data to 0 (Execute). (After setting the second data to 0, the data returns to 1 (Not executed.).* *- CM04 Y=00>00* *- CM08>2000, 2001* *- CM15 Y=210, 215, 224, 225, 280, 485* *- CM90 Y=00 (Update of DESI-less display)* *- CM9C*			
30	Sending BLF message via CCIS to Destination No.0	0 1◀	To send Not sent	CM50 Y=08>0
31	Sending BLF message via CCIS to Destination No.1	0 1◀	To send Not sent	CM50 Y=08>1
32	Sending BLF message via CCIS to Destination No.2	0 1◀	To send Not sent	CM50 Y=08>2

Continued on next page

COMMAND CODE	TITLE:
12	STATION CLASS-1

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
33	Sending BLF message via CCIS to Destination No.3	0 1◀	To send Not sent	CM50 Y=08>3
34	Sending BLF message via CCIS to Destination No.4	0 1◀	To send Not sent	CM50 Y=08>4
35	Sending BLF message via CCIS to Destination No.5	0 1◀	To send Not sent	CM50 Y=08>5
36	Sending BLF message via CCIS to Destination No.6	0 1◀	To send Not sent	CM50 Y=08>6
37	Sending BLF message via CCIS to Destination No.7	0 1◀	To send Not sent	CM50 Y=08>7
39	Location number of IP Station for Local Connection	00 ~ 63 NONE◀	Location number 00 ~ Location number 63 Location number 00	CM67
43	Group number for Group Call by Pilot Number Dialing **NOTE:** *Effective only when CM13 Y=45 is 0.*	00 ~ 19 00 ~ 59 NONE◀	Group Call No. 00 ~ Group Call No. 19 **[9300V4 software or before]** Group Call No. 00 ~ Group Call No. 59 **[9300V5 software or later]** No data	CM13 Y=45 CM57 Y=10-29, 40-79
44	Time to start the power saving of D^{term}85 (D^{term} Series i)/DT300/DT400/DT500 Series	0 1 2 3 4 5 6 7◀	1 minute later 2 minutes later 4 minutes later 8 minutes later 16 minutes later 32 minutes later 64 minutes later Not use the power saving	

Continued on next page

COMMAND CODE	TITLE:
12	STATION CLASS-1

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
45	Charging Station Class number	00 ~ 15◀	Charging Station Class No. 00 ~ Charging Station Class No. 15	CM15
46	ISDN/SIP subscriber number 2 (In-Dial No. 2)	X-XXXX NONE◀	ISDN/SIP subscriber number (Indial No. 2: 1-4 digits) No data	CM12 Y=47 CM8A Y= 5XXX>176, 186
	NOTE: *During a call origination from a station to ISDN/SIP network, this command is used to notify the following numbers to the called party side as the calling number.* *- When a calling station is a Dial-In station: Dial-In No.* *- When a calling station is other than a Dial-In station: Area Code + Local Office Code + Subscriber No.*			
47	SIP Local Office Code Table 2	00 ~ 14 15◀	SIP Local Office Code Table number 00 ~ SIP Local Office Code Table number 14 No data	CM12 Y=46 CM50 Y=05
	NOTE: *This data is used in combination with CM12 Y=46.*			
50	Location number of IP Station for Remote Connection	00 ~ 63 NONE◀	Location number 00 ~ Location number 63 Location number 00	CM67
51	ISDN/SIP Subscriber Number 3	X ~ X.....X NONE◀	ISDN/SIP Subscriber Number (1-16 digits) No data	CM8A Y= 5XXX>176, 186
	NOTE: *During a call origination from a station to ISDN/SIP network, this command is used to notify the following numbers to the called party side as the calling number.* *- When a calling station is a Dial-In station: Dial-In No.* *- When a calling station is other than a Dial-In station: Area Code + Local Office Code + Subscriber No.*			

Continued on next page

COMMAND CODE	TITLE:
12	STATION CLASS-1

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
52	ISDN/SIP Subscriber Number 4	X ~ X.....X NONE◀	ISDN/SIP Subscriber Number (1-16 digits) No data	CM8A Y=5XXX>176, 186
	NOTE: *During a call origination from a station to ISDN/SIP network, this command is used to notify the following numbers to the called party side as the calling number.* *- When a calling station is a Dial-In station: Dial-In No.* *- When a calling station is other than a Dial-In station: Area Code + Local Office Code + Subscriber No.*			
55	User permission for User Web Portal	0 1 2 3 NONE◀	Administrator Supervisor User Unauthorized User User	CMEF Y=08
	NOTE: *When any user permission has been assigned by using User Web Portal (i.e. when a value other than NONE has been set to the 2nd data of CMEF Y=08), the setting assigned by CMEF Y=08 takes priority over the setting of this command.*			
56	Caller ID method when CM12 Y=12, 46, 51, 52 has not been set up.	0 1◀	Representative Number assigned by CMBA Y=32 Not informed	CMBA Y=32 CM8A Y=5XXX>186
57	Type of My Line Information Display on Multiline Terminal	0 1 2 3 NONE◀	Station No. Station Name Station No. + Name Station Name + No. As per CM08>2000	CM15 Y=210 CM08>2000 CMEF Y=05
	NOTE 1: *When the own Station Name is not assigned, only the Station No. is displayed (as per the 2nd data=0) regardless of this data setting.* **NOTE 2:** *When any Type of My Line Information Display on Multiline Terminal has been assigned by User Web Portal (i.e. when a value other than NONE has been set to the 2nd data of CMEF Y=05), the setting assigned by CMEF Y=05 takes priority over the setting of this command.*			

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COMMAND CODE	TITLE:
12	STATION CLASS-1

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
58	Type of Clock/Calendar Display on Multiline Terminal	00	DD MMM WWW hh: mmAP	CM08>2001
		01	hh: mmAP MMM DD WWW	
		02	hh: mmAP WWW DD MMM	
		03	MM-DD WWW hh: mmAP	
		04	hh:mmAP WWW DD MMM YYYY	
		10	DD MMM WWW HH: mm	
		11	HH: mm MMM DD WWW	
		12	HH: mm WWW DD MMM	
		13	MM-DD WWW HH: mm	
		14	HH:mm WWW DD MMM YYYY	
		29	Not displayed **[9300V7]**	
		30	As per an initial setting of each display language	
		NONE◀	As per CM08>2001	

NOTE 1: *The meanings of 2nd data are shown below.*

YYYY : Year

MMM: Month (Displayed in 3 alphabetical characters according to the display language (such as Jan and Feb for English)).

** When the display language is represented by Japanese/Simplified Chinese/Traditional Chinese characters, this data is displayed in English.*

MM : Month (Displayed in numeric characters) [01-12]

DD : Date [01-31]

WWW: Day (Displayed in 3 alphabetical characters according to the display language (such as Sun and Mon for English)).

** When the display language is represented by Japanese/Simplified Chinese/Traditional Chinese characters, this data is displayed in English.*

HH : Hour (24-hour clock) [00-23]

hh : Hour (12-hour clock) [00-11]

mm : Minute [00-59]

AP : AM/PM

NOTE 2: *When using DT900 Series with Portal Mode and the duplicated information on the LCD (the calendar display on the information area) is not necessary, set the second data 29.*

Continued on next page

COMMAND CODE	TITLE:
12	STATION CLASS-1

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
61	Warning SST sending timer for forced release	0 1 2 3◀	Depends on Timer A (CM41 Y=0>114) Depends on Timer B (CM41 Y=0>115) Depends on Timer C (CM41 Y=0>116) Forced release is not provided	CM35 Y=247 CM35 Y=248
	NOTE: *This command is effective when the forced release is provided to the destination trunk route (CM35 Y=247 and 248 is set to 0).*			
62	Do Not Disturb/Message Waiting Lamp Indication on Line/Trunk/Feature keys of Multiline Terminal	0 2 3◀	Neither Message Waiting Lamp nor Do Not Disturb Lamp is indicated Do Not Disturb Lamp Indication Message Waiting Lamp Indication	CM08>140 CM15 Y=188 CM15 Y=189
63	Display language for Multiline Terminal LCD (Station Base)	00 01 02 03 04 05 06 07 08 09 10 11 12 13 15 16 17 18 NONE◀	Japanese English French (Canadian French) Spanish (Latin Spanish) Portuguese (Brazilian Portuguese) German Italian Netherlandish French (Europe) Spanish (Europe) Portuguese (Europe) Swedish Danish Catalan Russian Turkish Simplified Chinese Traditional Chinese As per CM04 Y=00>00	CM04 Y=00>00
	NOTE 1: *When the setting of the DT700/DT800/DT900 Series is changed, a reset of the terminal is required.* **NOTE 2:** *When this data is set to 15-18 for the terminal which cannot display Russian/Turkish/Chinese characters on the LCD, the terminal displays English characters on the LCD (same as the second data "01").*			

Continued on next page

COMMAND CODE	TITLE:
12	STATION CLASS-1

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
64	Unit number to ISDN Alternative Routing Unit for IP station/Standard SIP station number in Remote Unit survival mode/Home unit number of IP station (For User Mobility)	01 ~ 50 NONE◀	Unit number 01 ~ Unit number 50 No data	
65	Kind of PGD(2)-U10 station	1 3 NONE◀	Paging External relay/External key/External Tone Source Ordinary station	
	NOTE: *After this data setting, a reset of the PGD(2)-U10 ADP (Unplugged and plugged in/Blade Reset) is required.*			
66	External Key group number of PGD(2)-U10 ADP **NOTE:** *Effective when the second data of CM12 Y=65 is set to "3".*	00 ~ 63◀	External Key Group No. 00 ~ External Key Group No. 63	CM12 Y=65: 3 CM61
67	Kind of paging **NOTE:** *Effective when the second data of CM12 Y=65 is set to "1".*	0 1 2 3◀	Calling only (not using paging answer) Non-delay answer Non-delay and delay answer Ordinary station	CM12 Y=65: 1
68	Specification of Paging Zone **NOTE:** *Effective when the second data of CM12 Y=65 is set to "1".*	00 ~ 09 NONE◀	Paging Zone Group No. 00 ~ Paging Zone Group No. 09 No data	CM20 Y=0-3: A070-A079 CM12 Y=65: 1

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COMMAND CODE	TITLE:
12	STATION CLASS-1

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
69	Type of pilot station number for Conference (built-in on CPU)	0 1 2 3◀	Group Call Meet-Me Conference Sequential Call-up Ordinary station (Not pilot station)	
70	Conference group number for Conference pilot station number (built-in on CPU)	00 ~ 15 NONE◀	Conference group No. 00 ~ Conference group No. 15 No data	CM57 Y=31, 32
71	Assign the PGD(2)-U10 station number to control the relay specified by an intervening Virtual Line Station	X ~ XXXX XXXX NONE◀	PGD(2)-U10 Station number No data	
	NOTE: *This data is not available when setting the first data that is not a virtual station number.*			
72	DT300/DT400/DT500/ DT700/DT800/DT900 series Display Enhancement for Universal Design	0 1 NONE◀	Second line is twofold font, First line is delete Third line is twofold font, First line is delete Twofold font is not display	CM90 Y=00: F5030, F5031
	NOTE: *This data is effective only DT300/DT400/DT500/DT700/DT800/DT900 Series.*			
73	Level diagram group number	20 ~ 31 NONE◀	Level diagram group number 20 ~ Level diagram group number 31 As per station kind	CM68
	NOTE 1: *When no data is assigned, a level diagram group number corresponding to the station kind is applied. For details, see Appendix B "LEVEL DIAGRAM SETTING FOR SYSTEM".* ☞ Page B-1			
76	DT700/DT800/DT900 Menu time out timer setting	00 01 ~ 16 NONE◀	No time out 1 minute ~ 16 minutes 4 minutes	
	NOTE: *Set this data to "00" and reset the station when using DTPlusWare.*			

Continued on next page

COMMAND CODE	TITLE:
12	STATION CLASS-1

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
77	Dual Ringing	0 1◀	Available Not available	
	NOTE 1: *Set this data for Mobility Access station from CAT/PCPro.* **NOTE 2:** *"DATA ERROR" is displayed on LCD when System version license is not registered, if this data is set to "0".*			
78	Registration of master station/sub station in suite room	0 1 3◀	Master station Sub station Ordinary station	CM12 Y=79 CM57 Y=34
79	Suite Room Group Number	000 ~ 749 NONE◀	Suite Room Group number 000 ~ Suite Room Group number 749 No data	CM12 Y=78 CM57 Y=34
	NOTE: *This data must be set for both master station and sub stations in suite room.*			
80	Trunk Access Code for Call Forwarding in Mobility Access Mode	1 2 3 4 NONE◀	Trunk Access Code 1 Trunk Access Code 2 Trunk Access Code 3 Trunk Access Code 4 Trunk Access Code 1	CM20 Y=0-3: A256, A267-A269 CM64 Y=10, 14-16

Continued on next page

COMMAND CODE	TITLE:
12	STATION CLASS-1

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
83	Illumination Color of Multiline Terminal for Internal Call (to be specified for each station)	0 1 2 3 4 5 6 7 NONE◀	Pattern 0 Pattern 1 Pattern 2 Pattern 3 Pattern 4 Pattern 5 Pattern 6 Pattern 7 Red	CM12 Y=84 CM35 Y=358 CM76 Y=72 CMEF Y=06

NOTE 1

NOTE 1: *The illumination color for each pattern can be set as shown in the table below depending on the terminal type (7-color LED/3-color LED).*

Pattern No.	7-color LED terminal	3-color LED terminal		
	DT530/DT730/DT730CG/DT730DG/DT730 DESI-less/DT830/DT830CG/DT830DG/DT830 DESI-less/DT830DG DESI-less/DT900 Series	DT310/DT330/DT410/DT430/DT430 DESI-less/DT510/DT710/DT820	DT710 DESI-less	DT820 DESI-less
Pattern 0	Red	Red	Red	Red
Pattern 1	Green	Green	Green	Green
Pattern 2	Blue	Yellow	-	Yellow
Pattern 3	Yellow	Yellow	Yellow	Yellow
Pattern 4	Purple	Yellow	-	Yellow
Pattern 5	Light blue	Yellow	-	Yellow
Pattern 6	White	Yellow	-	Yellow
Pattern 7	7-color rotation	Yellow	3-color rotation	3-color rotation

NOTE 2: *For DT820 including a DESI-less terminal, use the 9300V3 STEP2 software or later. When the DT820 is connected to SV9300 using the 9300V3 software or before, the DT820 operates as DT710.*

NOTE 3: *For DT700/DT800/DT900 Series terminals, follow the setting of the terminal if its color-coding method for a distinction between an internal call and an external call is set to a method other than "Automatic".*

NOTE 4: *When any illumination color is assigned for an internal call by using User Web Portal (i.e. when any value other than NONE is set to the 2nd data of CMEF Y=06), the setting assigned by CMEF Y=06 takes priority over the setting of this command.*

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COMMAND CODE	TITLE:
12	STATION CLASS-1

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
84	Illumination Color of Multiline Terminal for External Call (to be specified for each station)	0 1 2 3 4 5 6 7 NONE◀	The same as the data meanings for "Illumination Color of Multiline Terminal for Internal Call" See CM12 Y=83	CM12 Y=83 CM35 Y=358 CM76 Y=72 CMEF Y=07
	NOTE: *When any illumination color is assigned for an external call by using User Web Portal (i.e. when any value other than NONE is set to the 2nd data of CMEF Y=07), the setting assigned by CMEF Y=07 takes priority over the setting of this command.*			
85	Automatic Idle Return on Multiline Terminal	0 1 3◀	Not available Available As per CM08>172	CM08>172, 567
87	When CM08>1056: 0 for Single Line Telephone **[9300V5]**	0 1 2 3◀	The call is disconnected, and returns to the held call Broker's call Three-party conference As per CM08>102/CM08>103/CM08>1055	CM08>102, 103, 1055, 1056
	NOTE: *This data is valid when CM08>1056 is set to "0".*			
88	Mobility Access **[9300V5]**	0 1◀	Available Not available	CME6 Y=50
	NOTE 1: *When a trunk number link up with a Mobility Access station number (CME6 Y=50) is assigned, the second data is automatically set to "0 (Available)." If the trunk number link up with a Mobility Access station number (CME6 Y=50) is deleted, the second data is automatically set to "1 (Not available)."* **NOTE 2:** *This data setting is available only when CME6 Y=50 is assigned.*			
89	Reset for Multiline Terminal **[9300V3]**	0 1	Reset Forced Reset	
	NOTE: *The second data 0 is valid only when the terminal is in an idle state.*			

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COMMAND CODE	TITLE:
12	STATION CLASS-1

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
90	MAC Address automatic registration in Fixed Connection Mode	0	Automatic Registration	CM12 Y=92
	Registered IP Station MAC Address display/clear	X.....XXX (12 digits) CCC NONE◀	MAC Address display Clear No data	
	NOTE 1: *If you clear the registered IP Station MAC Address while the system is operating, IP Station is reset even if it is connected.* **NOTE 2:** *MAC Address automatic registration in Fixed Connection Mode should be executed during the terminal logging in.* **NOTE 3:** *A maximum of 256 MAC Addresses can be registered in Fixed Connection Mode.* **NOTE 4:** *This command has to be registered after assigning CM15 Y=480 2nd data "1" and CM2B Y=00 in Fixed Connection Mode. If you do not do that, "DATA ERROR" is displayed.* **NOTE 5:** *Execute the system data backup by CMEC Y=6>0: 0 after this command registered. When changing this data of terminals accommodated in a Remote Unit, execute the system data copy by CMEC Y=8 to the Remote Unit.* **NOTE 6:** *Confirm the registered MAC Addresses by CM12 Y=92.*			
92	MAC Address registration in Fixed Connection Mode	X.....XXX (12 digits) CCC NONE◀	MAC Address Clear No data	
	NOTE 1: *A maximum of 256 MAC Addresses can be registered in Fixed Connection Mode.* **NOTE 2:** *This command has to be registered after assigning CM15 Y=480 2nd data "1" and CM2B Y=00 in Fixed Connection Mode. If you do not do that, "DATA ERROR" is displayed.* **NOTE 3:** *When a MAC Address is entered during the terminal logging in incorrectly, "DATA ERROR" is displayed. When a MAC Address of the other terminals which is logging in is entered, "WAIT, BUSY NOW" is displayed.* **NOTE 4:** *Execute the system data backup by CMEC Y=6>0: 0 after this command is registered.* *When changing this data of terminals accommodated in a Remote Unit, execute the system data copy by CMEC Y=8 to the Remote Unit.*			

Continued on next page

COMMAND CODE	TITLE:
12	STATION CLASS-1

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
93	Security Lock Cancel (forced) for DT700/DT800/DT900 Series	1 CCC	Always displayed when the DT700/DT800/DT900 Series is protected To cancel (forced)	
	NOTE: *When entering "CCC", regardless of the result, "OK" is displayed immediately.*			
96	Standard SIP station connection status (Only display)	0 1 2 3 4 NONE◀	Not connected Connecting Connected (PUSH Notification service) **[from 9300V6 to 9300V8]** Connected (PUSH Notification service: terminal info not registered) **[9300V9]** Connected (PUSH Notification service: terminal info registered) **[9300V9]** Other than Standard SIP station	
		CCC	Idle Return (Forced)	
	NOTE 1: *When a station during calling is set forced idle return by this data, the forced idle return is completed and the call is terminated.* **NOTE 2:** *Re-register the Standard SIP station by CMBC Y=15 after forced idle return by this data.* **NOTE 3:** *When an unassigned number is set to the first data of this data, "DATA NOT FOUND" is displayed.* **NOTE 4:** *When assigning forced idle return for a disconnected station displayed "0" as readout data of this data, "DATA ERROR" is displayed and the forced idle return is not executed.*			
97	IP address of Standard SIP station without REGISTER	aaabbbcccddd NONE◀	IP address of Standard SIP station without REGISTER aaa : 000-255 bbb: 000-255 ccc : 000-255 ddd: 001-254 No data/Other than Standard SIP station	CMBC Y=15
	NOTE 1: *Set this data to the related station before registering Standard SIP station without REGISTER by CMBC Y=15.* **NOTE 2:** *When the IP address is changed or deleted by specifying the registered Standard SIP station, "WAIT, BUSY NOW" is displayed (the IP address is not changed or deleted).* **NOTE 3:** *When changing the IP address assigned by this data, delete the registered terminal once by CMBC Y=15. Then register the terminal again.*			

Continued on next page

COMMAND CODE	TITLE:
12	STATION CLASS-1

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
98	Port number of Standard SIP station without REGISTER	00000 ~ 65534 NONE◀	Port number of Standard SIP station without REGISTER 5060/Other than Standard SIP station	CMBC Y=15
	NOTE 1: *When using the port number other than 5060 (default), set this data to the related station before registering Standard SIP station without REGISTER by CMBC Y=15.* **NOTE 2:** *When the IP address is changed or deleted by specifying the registered Standard SIP station, "WAIT, BUSY NOW" is displayed (the IP address is not changed or deleted).* **NOTE 3:** *When changing the port number assigned by this data, delete the registered terminal once by CMBC Y=15. Then register the terminal again.*			
100	LIN (Location Identification Number) Index setting **[9300V4]**	0000 ~ 1999 2000 NONE◀	Index 0000 ~ Index 1999 Unknown **[9300V9]** No data	CM04 YY=90, 91 CM04 Y=95 CM0B Y=1XX>180
	NOTE: *The second data 2000 is effective from 9300V9 (V9.2.0) software or later.*			
101	Login lock state **[9300V7]**	0 1 NONE◀ CCC	Normal Login lock Not supported station To cancel (Forced)	
	NOTE 1: *This command is effective only for Standard SIP station. For other stations, "NONE" is displayed.* **NOTE 2:** *When a station is not locked, this data is set to "0" whether the station is connecting or not.* **NOTE 3:** *Setting "CCC" when the Login lock state is "0", the number of login failure is cleared.*			
102	LCD display mode (for Portal mode support terminal) **[9300V7]**	0 1 NONE◀	Classic mode Portal mode As per CM08>2002	CM08>2002
	NOTE: *A reset of the terminal is required when this data is set or changed.*			

Continued on next page

COMMAND CODE	TITLE:
12	STATION CLASS-1

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
103	Specify Home Screen (for Portal mode support terminal) **[9300V7]**	0 1 2 NONE◀	Favorite Screen Call Screen Line Screen As per CM08>2003	CM08>2003
	NOTE 1: *This data is available from 9300V7 (V7.2.0) software or later.* **NOTE 2:** *When the second data 2 is assigned for DT930 other than Touch Panel model, the Favorite Screen is set as the Home Screen.* **NOTE 3:** *A reset of the terminal is required when this data is set or changed.*			
104	Automatic change time of the display to Line Screen for Multiline Terminal (Portal Mode) **[9300V7]**	0 1 ~ 5 NONE◀	Not changed 1 second later ~ 5 seconds later Immediately	CM15 Y=280
	NOTE 1: *This data is available from 9300V7 (V7.2.0) software or later.* **NOTE 2:** *A reset of the terminal is required when this data is set or changed.*			
106	Setting of Additional location information Index **[9300V8]** **[North America Only]**	0000 ~ 1999 NONE◀	LIN Index 0000 ~ LIN Index 1999 No data	CM04 YY=92, 96 CM0B1 Y=1XX>181
	NOTE: *This data is available from 9300V8 (V8.3.0) software or later.*			
107	Group number for a representative call notification **[9300V9]**	XXZZZ NONE◀	XX: Unit Number (01-50) ZZZ: Group number for a representative call notification (000-127) No data	CM57 Y=39
	NOTE 1: *This command assigns an Unit number and a group number for a representative call notification to the virtual station assigned by CM11.* **NOTE 2:** *Do not assign the same group number for a representative call notification to multiple Unit numbers.*			

COMMAND CODE	TITLE:
13	STATION CLASS-2

FUNCTION:

The features for each station are to be designated by assigning Station Class-2 for each station number.

PRECAUTION:

(1) When assigning Station Class-2 to a Multiline Terminal by this command, enter "X-XXXXXXXX (My Line number)" of FX-FXXXXXXXX, which is assigned by CM10 Y=00, as the first data.

(2) When a station has been set as an FAX station (CM13 Y=07), the following limitations are applied to that station.
- Periodic Time Indication tone is not given to the line.
- Override by other stations is restricted.
- The ringing interval for the FAX station is as per the setting of ringing signal for FAX (CM04 Y=00>09) (default: as per CM04 Y=00>05)
- Call Waiting Answer-Called Side to be restricted by CM15 Y=044: 0.

(3) After setting CM13 Y=32, 33, 63, blade reset is required.

(4) When 2 Paging equipment are connected to a PGD(2)-U10 ADP, the setting of Dual port mode is required as with Analog Port Adapter (related command: CM13 Y=32/33/34).

(5) In terms of the setting of System Data for storing call records, when Digital Multiline terminal or IP station is assigned by CM10 Y=00/01: FX-FXXXXXXXX, the second data of each office data below is automatically set to "0" (To store).
- CM13 Y=41: 0 (To store the call record when answering a station call.)
- CM13 Y=49: 0 (To store the call record when handling an unanswered call.)
- CM13 Y=60: 0 (To store the call record when answering a trunk call.)
- CM13 Y=61: 0 (To store the call record when handling an unanswered trunk call.)

For a terminal which requires no call history storing, set the second data to"1" (Not stored).

COMMAND CODE	TITLE:
13	STATION CLASS-2

(6) The data for a Single Line station number, My Line number of a Multiline Terminal and Virtual Line station number are shown in the table below.

×: To assign –: Not assigned

STATION NUMBER \ Y	00	01	02	03	04	05	06	07	08	09	10	11	12	13	18	21	22	23	24	25	29	32	33
Single Line station number (Assigned by CM10 Y=00)	×	×	×	×	×	×	×	×	×	×	×	–	×	×	×	×	×	×	–	×	×	–	–
Multiline Terminal My Line number (Assigned by CM10 Y=00, 01)	×	×	×	×	×	×	×	×	–	×	×	–	×	×	–	×	×	×	×	×	×	×	×
Virtual Line station number (Assigned by CM11)	–	–	–	–	–	–	–	×	–	–	–	×	×	×	–	×	–	–	–	–	–	–	–

STATION NUMBER \ Y	34	35	37	40	41	45	46	49	51	52	54	56	57	58	59	60	61	63	64	66	67	68	69
Single line station number (Assigned by CM10 Y=00)	–	–	–	–	–	–	×	–	×	–	–	–	–	–	–	–	–	–	×	–	–	–	×
Multiline Terminal My line number (Assigned by CM10 Y=00, 01)	×	×	×	–	×	–	×	×	×	×	×	×	×	×	×	×	×	×	–	×	×	–	×
Virtual line station number (Assigned by CM11)	–	–	–	×	–	×	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	×	×

STATION NUMBER \ Y	70	71	73	74	78	79	80	81	82	84	85	86	87	88	89	90	91	92	93	94	97	98	99
Single line station number (Assigned by CM10 Y=00)	–	×	×	–	–	–	–	–	–	×	–	–	–	–	–	×	×	×	–	–	–	–	–
Multiline Terminal My line number (Assigned by CM10 Y=00, 01)	×	×	×	–	×	×	×	×	×	×	–	×	–	–	–	×	×	×	–	–	×	×	×
Virtual line station number (Assigned by CM11)	–	×	×	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–

COMMAND CODE	TITLE:
13	STATION CLASS-2

×: To assign –: Not assigned

STATION NUMBER \ Y	100	101	102	103
Single line station number (Assigned by CM10 Y=00)	–	×	–	–
Multiline Terminal My line number (Assigned by CM10 Y=00, 01)	–	×	–	–
Virtual line station number (Assigned by CM11)	–	×	–	–

COMMAND CODE	TITLE:
13	STATION CLASS-2

ASSIGNMENT PROCEDURE:

ST + 13YY + DE + STATION NUMBER (1-8 digits) + DE + DATA (1 digit) + EXE

DATA TABLE:

◀: Default

Y		SETTING DATA	
No.	MEANING	DATA	MEANING
00	Do Not Disturb-System	0 1◀	To provide Not provided
01	Room Cutoff-System	0 1◀	To provide Not provided
02	Off-Hook Alarm	0 1◀	To provide ☞ See CM51 Y=12 Not provided
03	Message Waiting/Message Reminder	0 1◀	To provide (for the station with MW lamp) Not provided
	NOTE: *This command is effective only when using a Single Line Telephone with MW lamp, Standard SIP Terminal.*		
04	Howler tone automatic sending	0 1◀	Not provided ☞ See CM08>153 To provide
05	SMDR for incoming call	0 1◀	To provide ☞ See CM08>820, 823, CM35 Y=049 Not provided
06	SMDR/Centralized Billing-CCIS for out-going call	0 1◀	Not provided ☞ See CM35 Y=014 To provide
07	Analog data station (FAX, MODEM, etc.) or ordinary station ☞ See PRECAUTION (2)	0 1◀	Data station Ordinary station
08	Send or not ringing signal to the single line telephone on multiline of Multiline Terminal	0 1◀	Not sent ringing signal ☞ See CM12 Y=05 Send ringing signal

Continued on next page

COMMAND CODE	TITLE:
13	STATION CLASS-2

◀: Default

Y		SETTING DATA	
No.	MEANING	DATA	MEANING
09	Intra-office connection PAD	0 1◀	Without PAD As per CM42>190
	Analog SLT connection PAD **[For EMEA]**	0 1◀	Without PAD As per CM42>190
10	Ordinary station or VMS station	0 1◀	VMS station See CM41 Y=0>44, 48, 49, CM50 Y=00 Ordinary station
11	BLF indication for Automatic Intercom	0 1◀	To provide Not provided
12	Secretary station (Boss Secretary Transfer/Override)	0 1◀	Secretary station Ordinary station or Boss station
13	Ordinary station or Front Desk Terminal/ Administrative station	0 1◀	Message Waiting Front Desk Terminal/Administrative station Ordinary Station
	NOTE: *MW Lamp of calling station is turned off when Message Waiting Front Desk Terminal answers.* See CM08>233		
18	Reverse signal sending to stations	0 1◀	To send Not sent
	NOTE: *This command is effective when using the LC blade supports reverse signal.*		
21	VIP Class for Executive Calling/Call Waiting	0 1◀	To provide Not provided
22	Momentary Open	0 1◀	To provide Not provided
23	Automatic live recording	0 1◀	To provide Not provided
	NOTE: *When this feature is activated, be sure to set CM08>141, CM35 Y=22, and/or CM76 Y=13.* See CM08>141 CM35 Y=022 CM76 Y=13		

Continued on next page

COMMAND CODE	TITLE:
13	STATION CLASS-2

◀: Default

Y		SETTING DATA	
No.	MEANING	DATA	MEANING
24	In-Skin UMS or Digital Multiline Terminal	0 1◀	In-Skin UMS Digital Multiline Terminal
	NOTE: *When sending the DTMF tone while a call between IP Multiline Terminal and DT700/DT800/DT900 Series is established, the second data of CM13 Y=24 and CM13 Y=59 must be set to 0 for IP Multiline Terminal.*		
25	Facility control of ISDN Calling Party Number (CPN)	0 1◀	To provide **[For Australia]**/Not provided **[Other than Australia]** Not provided **[For Australia]**/To provided **[Other than Australia]**
29	Designation of FAX call stations	0 1◀	FAX call station Ordinary station
32	Connection of Analog Port Adapter/ PGD(2)-U10 ADP BLADE RESET See PRECAUTION (4)	0 1◀	To connect Not connected
33	Port mode of Analog Port Adapter/ PGD(2)-U10 ADP BLADE RESET See PRECAUTION (4)	0 1◀	Dual port mode Single port mode
34	Designation of station connected to Dual port mode of Analog Port Adapter/ PGD(2)-U10 ADP See PRECAUTION (4)	0 1◀	Station connected to Dual port mode of Analog Port Adapter/PGD(2)-U10 ADP Station not connected to Analog Port Adapter/ PGD(2)-U10 ADP
35	Send or not ringing signal to the single line telephone connected to Analog Port Adapter	0 1◀	Not sent To send
37	VMS Soft Key feature **NOTE:** *Set this data to VMS station number.*	0 1◀	To provide Not provided
40	Station number assigned by CM11 for BLF-CCIS	0 1◀	Other office station Own office station

Continued on next page

COMMAND CODE	TITLE:
13	STATION CLASS-2

◀: Default

Y		SETTING DATA	
No.	MEANING	DATA	MEANING
41	Storage of the call record when answering a station call See PRECAUTION (5)	0 1◀	To store Not stored
45	Group Call by Pilot Number Dialing	0 1◀	To provide Not provided
46	Call Forwarding-No Answer Timing	0 1◀	As per CM41 Y=0>100, 101/CME6 Y=07, 08 As per CM41 Y=0>01, 15
	NOTE: *Call Forwarding-No Answer Timing is as follows when second data is set as 0.* *When the timer for each station is set up by CME6 Y=07, 08: The timer of CME6 Y=07, 08 is effective.* *When the timer for each station is not set up by CME6 Y=07, 08: The timer of CM41 Y=0>100, 101 is effective.*		
49	Storage of the call history (IC) when handling of unanswered call See PRECAUTION (5)	0 1◀	To store Not stored
51	Kind of station in the hotel function (Related Command: CM13 Y=52)	0 1◀	Administrative station Guest station
	NOTE 1: *Set the second data to "0", when the station except Hotel Console and Guest station is used.* **NOTE 2:** *Set this command to the office which accommodates the terminal to display the Guest information.*		
52	Whether the PMS information for 8 characters display in left-side on upper line of LCD is to be displayed on administrative station (Multiline Terminal) or not (Related Command: CM08>548/CM13 Y=51)	0 1◀	Display information assigned by CM08>548 Not displayed
	NOTE: *Set this command to the office which accommodates the terminal to display the Guest information.*		
54	Provide Calling Number Display for the My Line assigned by CM57 Y=30 (Related Command: CM08>1232/CM57 Y=30/CM65 Y=42)	0 1◀	To provide Not provided
	NOTE: *This command is effective when the second data of CM08>1232 is set to 1.*		
56	Call termination to Attendant Position/ station Night mode is set	0 1◀	Restricted Allowed

Continued on next page

COMMAND CODE	TITLE:
13	STATION CLASS-2

◀: Default

Y		SETTING DATA	
No.	MEANING	DATA	MEANING
57	Voice Mail Live Record-CCIS	0 1◀	To provide Not provided
	NOTE: *Set the second data to "0" for all the VMS ports performing Voice Mail Live Record-CCIS.*		
58	Operation at pressing another Line/Trunk key while talking on the station/trunk using Trunk-Direct Appearances	0 1◀	Hold the call and seize the Line/Trunk key Disconnect the call and seize the Line/Trunk key
59	Kind of VMS	0 1◀	Not used In-Skin UMS
	NOTE: *When sending the DTMF tone while a call between IP Multiline Terminal and DT700/DT800/DT900 Series is established, the second data of CM13 Y=59 and CM13 Y=24 must be set to 0 for the IP Multiline Terminal.*		
60	Storage of the call history (IC) when answering a trunk call See PRECAUTION (5)	0 1◀	To store Not stored
61	Storage of the call history (IC) when handling of unanswered a trunk call See PRECAUTION (5)	0 1◀	To store Not stored
63	Accommodation of PGD(2)-U10 ADP BLADE RESET	0 1◀	To accommodate Not accommodated
	NOTE 1: *Set this data only for a Base Port No. (Circuit No. 01) of DLC blade.* **NOTE 2:** *Whether the following equipment can be accommodated to the same DLC blade or not depends on this data.* *- When the second data is set to "0"* *Accommodatable : DT300/DT400/DT500/D^{term}85/PGD(2)-U10 ADP* *Unaccommodatable: DESKCON/DSS Console* *- When the second data is set to "1"* *Accommodatable : DT300/DT400/DT500/D^{term}85/DESKCON/DSS Console* *Unaccommodatable: PGD(2)-U10 ADP* **NOTE 3:** *When the second data is set to 0, and accommodating DT300/DT400 Series DESI-less to the same DLC blade to which PGD(2)-U10 ADP is accommodated, the Line Key of the DT300/DT400 Series DESI-less does not light up (however, Character Display or Icon Display on the DESI-less screen is provided).*		

Continued on next page

COMMAND CODE	TITLE:
13	STATION CLASS-2

◀: Default

Y		SETTING DATA	
No.	**MEANING**	**DATA**	**MEANING**
64	Whether the station is for the outgoing call of Conference	0 1◀	Station for the outgoing call Ordinary station
66	Reverse Contrast on the LCD for Universal Design	0 1◀	Background: Black, Letters: White Background: White, Letters: Black
	NOTE: *This command is effective only when DT330/DT430/DT530/DT710/DT730/DT730DG/DT820/DT830/DT830DG/DT920 are used.*		
67	Accommodation of DTH-4R/DTL-8R **[North America Only]**	0 1◀	To accommodate Not accommodated
68	The DTMF signal is transmitted from DT700/DT800/DT900 to D^{term}IP (Set it to the station number of D^{term}IP)	0 1◀	To send Not sent
	NOTE: *This data is used when IP Multiline Terminal or BCT (IVR) is connected to the system. This data is assigned to the station number of IP Multiline Terminal/BCT (IVR).*		
69	Calling Number Display when an incoming call is terminated to the Sub Line of Multiline Terminal	0 1◀	To provide Not provided
	NOTE: *This command is usually set to the station which is accommodated as sub line. However, when Caller ID Display for an incoming call to my line is also set to the same format as for an incoming call to sub line (CM08>1012: 0), set the second data 0 to the station which is accommodated as my line.*		
70	Calling Party Number sending to ISDN when making an outgoing call from Sub Line (Terminal side)	0 1◀	As per CM13 Y=71 Calling number of My Line
71	Calling Party Number sending to ISDN when making an outgoing call from Sub Line (Multiline side)	0 1◀	Calling number of My Line Calling number of Sub Line
73	Pilot station of 32-Party Conference with password protection	0 1◀	Pilot station Ordinary station
	NOTE 1: *This command is effective only to the pilot station for the Conference group specified in CM04 Y=04: 0 (with password protection).* **NOTE 2:** *The type of pilot station number for Conference assigned by CM12 Y=69 becomes ineffective when the pilot station number is set by this command.*		

Continued on next page

COMMAND CODE	TITLE:
13	STATION CLASS-2

◀: Default

Y		SETTING DATA	
No.	MEANING	DATA	MEANING
74	Hold tone select for Standard SIP station	0 1◀	Hold Tone Source on CPU blade (selected by CM48 Y=0) As per CM08>1007
	NOTE: *When setting External Hold Tone by CM48 Y=0/CM64 Y=1, External Hold Tone is selected regardless of this command.*		
78	Multiline Terminal ringing tone for Wake Up Call	0 1◀	No ringing Ringing
79	Multiline Terminal Power Saving	0 1◀	To provide Not provided
	NOTE: *Set this data to 0 (To provide) only for a station No. of Multiline terminal for which power feeding is switched ON/OFF. For other station numbers such as a PGD(2)-U10 station, set the second data to 1 (Not provided).*		
80	Power Cut to Multiline Terminal during a Power Failure	0 1◀	To provide Not provided
	NOTE: *Set this data to 0 (To provide) only for a station No. of Multiline terminal for which power feeding is switched ON/OFF. For other station numbers such as a PGD(2)-U10 station, set the second data to 1 (Not provided).*		
81	Connection of Wireless Headset System	0 1◀	To connect Not connected
	NOTE: *Assign this data only when connecting a wireless headset system to a DT300/DT700-series terminal as below. (No setting is required for a DT400/DT500/DT800/DT900 series terminal.)* *- DT330 (8/12 Keys)* *- DT730 (8/12 Keys)* *- DT730G (12/24 Keys)* *- DT750*		
82	Selection of displayed Line for My Line Information Display	0 1◀	Prime Line My Line

Continued on next page

COMMAND CODE	TITLE:
13	STATION CLASS-2

◀: Default

Y		SETTING DATA	
No.	MEANING	DATA	MEANING
84	Display of calling name stored in Station Speed Dialing Memory at call incoming	0 1◀	Not provided To provide
	NOTE: *When the second data is set to 1 (To provide), a search is performed in the Station Speed Dialing Memory Area corresponding to the My line of the destination Multiline Terminal, and a name matched up with the calling number is displayed. When the second data is set to 0 (Not provided), a search is performed only in the System Speed Dialing Memory Area corresponding to the incoming trunk tenant.*		
85	The Request-URI user field setting included in a SIP request message for standard SIP station **[North America Only]**	0 1◀	Contact header user field of REGISTER message Standard SIP station number
	NOTE: *A reset of the Standard SIP terminal is required after this data setting.*		
86	Type of station for Call Back to Mobile Phone **[9300V3]**	0 1◀	For Call Back Mobile Phone Not for Call Back Mobile Phone
	NOTE 1: *Every user cannot use a Call Back Mobile Phone station as an ordinary station.* **NOTE 2:** *The system capacity license (port key) is not required for Call Back Mobile Phone stations.*		
87	Addition of Trunk Access Code for redialing by Missed Call **[9300V3]**	0 1◀	To provide Not provided
	NOTE: *Do not set this command when adding a trunk access code for other services or on a terminal side.*		
88	Three-party conference for Standard SIP station **[9300V3]**	0 1◀	Not provided To provide
	NOTE: *Set this command to the Standard SIP Terminal which is used to operate Three-party conference.*		
89	Broker's call for Standard SIP station **[9300V3]**	0 1◀	Not provided To provide
	NOTE: *Set this command to the Standard SIP Terminal which is used to operate Broker's call.*		
90	Malicious Call List set by station dialing (Related command: CM13 Y=92) **[9300V3]**	0 1◀	Allowed Restricted

Continued on next page

COMMAND CODE	TITLE:
13	STATION CLASS-2

◀: Default

Y		SETTING DATA	
No.	MEANING	DATA	MEANING
91	Malicious Call List delete by station dialing [9300V3]	0 1◀	Allowed Restricted
92	Malicious Call List Set by call history (Related command: CM13 Y=90) [9300V3]	0 1◀	Allowed Restricted
	NOTE 1: *When the second data is set to 0 (Allowed), be sure to set the second data of CM13 Y=90 to 0 (Allowed).* NOTE 2: *When the second data is set to 0 (Allowed), the 3rd display (Soft Key No. 8-11) of the Call History menu will appear.*		
93	Operation when Standard SIP station is holding the other call goes on-hook while originating a call or in a call (Related command: CM08>1047) [9300V3]	0 1◀	Hold Transfer Disconnect
94	Setting to add Server header and User-Agent header for Standard SIP station	0 1◀	Not provided To provide
97	Storage of the call record when answering a trunk call which transferred from other station (Related Command: CM13 Y=60: 0/ CM35 Y=150: 0) [9300V4]	0 1◀	Not stored To store
	NOTE: *When setting the second data of this command to 1 (To store), this command is effective when the second data of CM13 Y=60 and CM35 Y=150 are set to 0 (To sore).*		
98	LCD Display on Multiline Terminal during Live Recording [9300V5]	0 1◀	Display the information about calling/called party Display “Live Recording”

COMMAND CODE	TITLE:
13	STATION CLASS-2

◀: Default

Y		SETTING DATA	
No.	MEANING	DATA	MEANING
99	Music ring [9300V7]	0 1◀	Available Not available
	NOTE 1: *This command is effective only for DT500/DT900 Series.* **NOTE 2:** *Be sure to set this data to "1" (Not available) for music ring unsupported terminals.* **NOTE 3:** *When music ring is not used, set this data to "1" (Not available) even for music ring supported terminals.* **NOTE 4:** *Music ring can be used regardless of this command when music ring is set by the terminal operation ("Feature" + "3") or on a terminal menu.*		
100	Terminal Phonebook feature [9300V7]	0 1◀	Available Not available
	NOTE 1: *To use the Terminal Phonebook featrue, download the Terminal Phonebook data after setting or changing this data. For details, refer to "Terminal Phonebook" of the PC Programming Manual.* **NOTE 2:** *A reset of the terminal is required when this data is set or changed.*		
101	Group Messaging by Access Code Dialing [9300V8] (Related Command: CM20 Y=0-3: A400-A649)	0 1◀	Available Not available
	NOTE: *To avoid unintentional activation of this feature by dialing a wrong number, assign the second data to 0 (available) only for stations that activate this feature.*		
102	Whether to give Caller ID/Name/Ringer Tone Pattern for PUSH Notification [9300V9]	0 1◀	Not given To give
103	Select of Location information by the Emergency button on the Soft Phone [9300V9]	0 1◀	To provide Not provided
	NOTE: *This data is available from 9300V9 (V9.2.0) software or later.*		

COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS

FUNCTION:

Restriction of each service is to be set for each service restriction class assigned to the stations. There are four kinds of Service Restriction Class A/B/C and Charging Station. The services to be restricted by these Service Restriction Classes are different.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + 15YYY + [DE] + SERVICE RESTRICTION CLASS A/B/C/CHARGING STATION (00-15: As assigned in CM12 Y=02, 07, 45) + [DE] + DATA (1/2 digits) + [EXE]

COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS A

DATA TABLE:

Service Restriction Class A

◀: Default

Y		SERVICE REST. CLASS (A)	SETTING DATA	
No.	MEANING		DATA	MEANING
000	Call Forwarding-All Calls	00 ~ 15	0	Restricted
001	Call Hold		1◀	Allow
002	Outgoing Trunk Queuing			
003	Call Back			
005	Executive Right of Way (Executive Override) Calling side			
006	System Speed Dialing			
007	Station Speed Dialing			
008	Paging Access (External Speaker and Radio)			
009	Executive Right of Way (Executive Override)/Busy Verification/Attendant Override Called side			
010	Call Forwarding-No Answer			
011	Call Forwarding-Busy Line			
012	Call Forwarding-Busy Line/No Answer			
013	Wake Up/Timed Reminder			
014	Call Pickup-Direct			
015	Call Forwarding-I'm here (Destination)			
016	Station Camp-On (Transfer method)			
017	Priority Call 0			
018	Priority Call 1			
019	Do Not Disturb set from station/Return Message Schedule			
020	Automatic Wake Up set from guest or administrative station (Same wake up time is set to multiple stations)			

Continued on next page

COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS A

Service Restriction Class A

◀: Default

Y		SERVICE REST. CLASS (A)	SETTING DATA	
No.	MEANING		DATA	MEANING
021	Automatic Wake Up set from guest or administrative station (Different wake up time is set to multiple stations)	00 ~ 15	0 1◀	Restricted Allow
022	Trunk-to-Trunk Transfer			
024	Message Waiting Lamp set/reset from station			
025	Timed Queue			
026	Call Forwarding-All Calls-Outside			
027	Call Forwarding-No Answer-Outside			
028	Call Forwarding-Busy Line-Outside			
029	Call Forwarding-Busy Line-Outside/No Answer-Outside			
030	Account Code			
031	Authorization Code/Forced Account Code			
033	Voice Response System Access Record/Replay/Delete			
034	Announcement Service Replay – No. 0 Announcement Service Group			
035	Announcement Service Replay – No. 1 Announcement Service Group			
036	Announcement Service Replay – No. 2 Announcement Service Group			
037	Announcement Service Replay – No. 3 Announcement Service Group			
038	Announcement Service Replay – No. 4 Announcement Service Group			
039	Announcement Service Recording			
040	Message Waiting Lamp Control from predetermined station or attendant			

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COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS A

Service Restriction Class A

◀: Default

Y		SERVICE REST. CLASS (A)	SETTING DATA	
No.	MEANING		DATA	MEANING
041	Voice Message Waiting-System/Individual Set/Cancel/Retrieve	00 ~ 15	0 1◀	Restricted Allow
042	Voice Message Waiting-System Recording			
043	Call Waiting Set-Calling Side			
044	Call Waiting Answer-Called Side			
046	Call Back-Multiple Assignment			
047	Message Reminder Setting Side			
048	Message Reminder Set Side			
049	Internal Zone Paging Access/All Zone Internal Paging NOTE 1			
100	Voice Message Waiting-Individual Called Side			
102	Voice Message Waiting-Individual All clear when the called station does not answer Calling/Called Side		0 1◀	Allow Restricted
103	Station-to-Station/Station-to-Trunk Call Monitoring Monitoring Side NOTE 2		0 1◀	Restricted Allow
104	Station-to-Station/Station-to-Trunk Call Monitoring Monitored Side NOTE 2			
111	Whisper Page Whispering Side		0 1◀	Restricted Allow
112	Whisper Page Whispered Side			

NOTE 1: *Set the second data to "0" when MH240 is used.*

NOTE 2: *Monitoring telephone conversations may be illegal under certain circumstances and laws. Consult a legal advisor before implementing the monitoring of telephone conversations. Some federal and state laws require a party monitoring a telephone conversation to use beep-tones, to notify all parties to the telephone conversation, and/or to obtain consent from all parties to the telephone conversation. Some of these laws provide strict penalties for illegal monitoring of telephone conversations.*

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COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS A

Service Restriction Class A

◀: Default

Y		SERVICE REST. CLASS (A)	SETTING DATA	
No.	MEANING		DATA	MEANING
115	Standard SIP station Call Forwarding-Not Available	00 ~ 15	0 1◀	Restricted Allow
116	Voice Guide Validity of dial tone sending		0 1◀	Restricted Allow
120	Dynamic Dial Pad		0 1◀	Allow Restricted
123	Calling Name Display-Standard SIP station		0 1◀	Allow Restricted
	NOTE: *The display on Standard SIP station depends on the terminal specification.*			
124	Remote Hold **[North America Only]**	00 ~ 15	0 1◀	Allow Restricted
127	WCS Number Sharing Station number which is informed to calling/called party, SMDR and MCI **NOTE:** *Set "0" to sub station.* *Set "1" to main station.*		0 1◀	Main station number is informed Own station number is informed
128	WCS Number Sharing set/cancel from sub station **NOTE:** *Set "0" to sub station.* *Set "1" to main station.*		0 1◀	Allow Restricted
129	WCS Number Sharing Sub station is controlled as same as main station, by Message Waiting lamp control signal sent to main station		0 1◀	Main station and sub station are controlled Only main station is controlled

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COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS A

Service Restriction Class A

◀: Default

Y		SERVICE REST. CLASS (A)	SETTING DATA	
No.	MEANING		DATA	MEANING
130	System Clock Setup by Station Dialing	00 ~ 15	0 1◀	Allow Restricted
131	Set Relocation Setting Side NOTE 1, NOTE 2		0 1◀	Allow Restricted
132	Being moved and changed by Set Relocation Set Side NOTE 1, NOTE 2		0 1◀	Allow Restricted
133	Automatic Call Forwarding set by DISA		0 1◀	Allow Restricted
134	Manual Call Forwarding set by DISA		0 1◀	Allow Restricted
135	Keep volume level changed by volume button on Multiline Terminal, after the call is finished.		0 1◀	Allow Restricted
136	Calling Number/Calling Name Display for ISDN/T1-ANI/ MFC-R2 incoming call		0 1◀	Calling Number Display Calling Name Display

NOTE 1: *Set Relocation is not available for the following combination.*

- *Single Line Telephone and Multiline Terminal*
- *Single Line Telephone (DP) and Single Line Telephone (PB)*
- *Between the Multiline Terminal with the different number of Programmable Function Keys*
- *IP Multiline Terminal and Digital Multiline Terminal*

NOTE 2: *Combination of Multiline Terminals with different number of Line/Trunk keys Also, Set Relocation should not be set to Multiline Terminals which accommodate the following peripherals or function.*

- *DSS Console*
- *Add-on Module*
- *Analog Port Adapter*

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COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS A

Service Restriction Class A

◀: Default

Y		SERVICE REST. CLASS (A)	SETTING DATA	
No.	MEANING		DATA	MEANING
140	Pad Lock Set/Reset from station	00 ~ 15	0 1◀	Allow Restricted
141	Station Authorization Code Set/Change		0 1◀	Restricted Allow
143	IP Station Logout operation		0 1◀	Allow Restricted
146	Sending Switch Hook Flash for Adjunct Analog System		0 1◀	Allow Restricted
147	Voice Mail Private Password-CCIS		0 1◀	Allow Restricted
	NOTE 1: *The first data must be the preassigned VMS Service Restriction Class which is sent from the office via CCIS.* **NOTE 2:** *This command is not effective for the Service Restriction Class of own office.*			
205	Selection of Off Hook Ring Volume	00 ~ 15	0 1◀	Off Hook Ring Volume 2 (As per CM42>75) Off Hook Ring Volume 1 (As per CM42>74)
	NOTE: *The following operations are required when this data is changed.* *Digital Multiline Terminal: Disconnect the Digital Multiline Terminal cable and connect the Digital Multiline Terminal cable again/Unplug the DLC blade and plug the DLC blade again.* *IP Station : Logout the IP Station and login the IP Station again.*			
207	Indication when a station is set to the Line Key of Multiline Terminal (DESI-less)	00 ~ 15	0 1◀	Station Number Station Name
210	My Line Information Display for Multiline Terminal		0 1◀	Restricted Allow
	NOTE: *After setting this data, the assigned data is reflected to each Multiline Terminal by resetting the terminal or executing CM12 Y=29.*			

Continued on next page

COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS A

Service Restriction Class A

◀: Default

Y		SERVICE REST. CLASS (A)	SETTING DATA	
No.	MEANING		DATA	MEANING
211	Malicious Call Trace **[Australia Only]**	00 ~ 15	0 1◀	Restricted Allow
212	Preset Dialing on Multiline Terminal		0 1◀	Restricted Allow
	NOTE: *If this data is set to "1", Preset Dialing on Multiline Terminal is active regardless of the setting of CM12 Y=22.*			
213	SMDR service for station to station call	00 ~ 15	0 1◀	Allow Restricted
	NOTE: *To provide SMDR output for abandoned station call also, set the second data to 0 (set this data for the all target calling stations/called stations).*			
214	Caller ID Display on each Multiline Terminal	00 ~ 15	0 1◀	Restricted Allow
215	Blinking LCD for caller ID Display on each Multiline Terminal		0 1◀	Restricted Allow
	NOTE: *After setting this data, the assigned data is reflected to each Multiline Terminal by resetting the terminal or executing CM12 Y=29.*			
216	Mobility Access Mode	00 ~ 15	0 1◀	Restricted Allow
217	ISDN Alternative Routing in Remote Unit survival mode		0 1◀	Allow Restricted
218	Call Forwarding-All Calls of Mobility Access call		0 1◀	Restricted Allow
219	Call Forwarding-Busy Line/-No Answer for call forwarding in Mobility Access Mode		0 1◀	Restricted Allow

Continued on next page

COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS A

Service Restriction Class A

◀: Default

Y		SERVICE REST. CLASS (A)	SETTING DATA	
No.	MEANING		DATA	MEANING
222	Room Status setting (Room Cutoff/Do Not Disturb/Message Waiting/Wake Up Call/Trunk Restriction class change)	00 ~ 15	0 1◀	Allow Restricted
223	Conference (built-in on CPU)		0 1◀	Restricted Allow
	NOTE: *This data is effective for the station of Conference participants from own office. The station of Conference participants from the different offices via CCIS/IP trunk (P2P CCIS) is allowed to participate in Conference regardless of this data.*			
224	Calling Number Display when an internal incoming call is terminated to the sub line of Multiline Terminal	00 ~ 15	0 1◀	Restricted Allow
	NOTE: *After setting this data, the assigned data is reflected to each Multiline Terminal by resetting the terminal (i.e. unplug the modular connector of the terminal and then plug it again or eject the DLC Card and then insert it again) or executing CM12 Y=29.*			
225	Calling Number Display when an external incoming call is terminated to the sub line or TAS of Multiline Terminal	00 ~ 15	0 1◀	Restricted Allow
	NOTE 1: *To provide the Calling Number Display in an incoming call to TAS of Multiline Terminal, this command is effective for 9300V4 software or later and when the second data of CM08>1232 and CM65 Y=70 is set to 0.* **NOTE 2:** *After setting this data, the assigned data is reflected to each Multiline Terminal by resetting the terminal (i.e. unplug the modular connector of the terminal and then plug it again or eject the DLC blade and then insert it again) or executing CM12 Y=29.*			
226	Preset Do Not Disturb-Override	00 ~ 15	0 1◀	Restricted Allow
	NOTE: *Preset Do Not Disturb-Override is allowed for DESKCON regardless of this data.*			

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COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS A

Service Restriction Class A

◀: Default

Y		SERVICE REST. CLASS (A)	SETTING DATA	
No.	MEANING		DATA	MEANING
227	Select the call termination to Suite Room station while one of the suite room stations is busy	00 ~ 15	0 1◀	Ring an idle station Hearing busy tone
	NOTE 1: *When this data is set to "1", Call Forwarding-Destination specified by CM51 Y=35 is available.* **NOTE 2:** *Set this data for a Suite Room master station.*			
228	32-Party Conference Connection by Call Transfer	00 ~ 15	0 1◀	Restricted Allow
	NOTE: *This data is effective for the station of Call Transfer operator from own office. The station of Conference participants from the different offices via CCIS/IP trunk (P2P CCIS) is allowed to participate in Conference regardless of this data.*			
229	RTP route for station-to-station connection using Standard SIP station	00 ~ 15	0 1◀	Peer-to-Peer connection Via VoIPDB
	NOTE 1: *To establish Peer-to-Peer connection of station-to-station calling with Standard SIP station, set this data to "0" for both Standard SIP station.* **NOTE 2:** *When using access codes assigned by CM20 Y=0-3: A263/A264, whether to use Peer-to-Peer connection or not depends on access codes regardless of this data.* **NOTE 3:** *A reset of the terminal is required after this data setting.*			
231	Change Power ON/OFF for Multiline Terminal Power Saving	00 ~ 15	0 1◀	Allow Restricted
232	Select Trunk Restriction Class for System Speed Dialing		0 1◀	As per Trunk Restriction Class for Station (CM12 Y=01) As per Trunk Restriction Class for System Speed Dialing (CM04 Y=01>18)
	NOTE: *Assign 2nd data=1 to a station for which "System Speed Dialing Origination" is allowed, and 2nd data=0 to a station on which the "System Speed Dialing Origination" is restricted.*			

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COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS A

Service Restriction Class A

◀: Default

Y		SERVICE REST. CLASS (A)	SETTING DATA	
No.	MEANING		DATA	MEANING
234	Copy of Multiline Terminal Key Assignment by service access code (for copy source station) (Related Command: CM20 Y=0-3: A277) **[9300V4]**	00 ~ 15	0 1◀	Restricted Allow
	NOTE 1: *Restrict the particular stations with confidential information, if necessary.* **NOTE 2:** *Because this feature does not support Carl Cordless Telephones, set the second data to 0 (Restricted) for a Carl Cordless Telephone (when a Multiline Terminal Key Assignment is accidentally copied to a Carl Cordless Telephone, the Carl Cordless Telephone, does not operate normally).*			
235	Copy of Multiline Terminal Key Assignment by service access code (for copy destination station) (Related Command: CM20 Y=0-3: A277) **[9300V4]**	00 ~ 15	0 1◀	Restricted Allow
	NOTE 1: *Restrict the station which you do not want to change the station key data by an operating error such as a meeting room, if necessary.* **NOTE 2:** *Because this feature does not support Carl Cordless Telephones, set the second data to 0 (Restricted) for a Carl Cordless Telephone (when a Multiline Terminal Key Assignment is accidentally copied to a Carl Cordless Telephone, the Carl Cordless Telephone, does not operate normally).*			
236	Caller ID Display on the LCD of Multiline Terminal before answering or after answering an incoming CCIS call (Related Command: CM15 Y=237) **[9300V4]**	00 ~ 15	0 1◀	Not displayed To display
	NOTE: *When the second data is set to 0 (Not displayed), both Calling Station Number + Name from other offices via CCIS and Calling Number in a tandem connection via CCIS from a C.O. line are not displayed.*			
237	The destination information Display on the LCD of Multiline Terminal when an outgoing CCIS call is before answering or after answering by the destination (Related Command: CM15 Y=236) **[9300V4]**	00 ~ 15	0 1◀	Not displayed To display
	NOTE: *When the second data of CM15 Y=237 is set 0 (Not displayed), in an outgoing CCIS call to the station of another office, the name and the station number of destination are not displayed on the LCD of Multiline Terminal.*			

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COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS A

Service Restriction Class A

◀: Default

Y		SERVICE REST. CLASS (A)	SETTING DATA	
No.	MEANING		DATA	MEANING
400	Displaying pattern of Caller ID on the LCD of Multiline Terminal before answering or after answering a trunk call	00 ~ 15	0 1 7◀	Not displayed calling number and calling name simultaneously To display calling name on upper line of LCD, calling number on middle line of LCD To display calling number on upper line of LCD, calling name on middle line of LCD
	NOTE 1: *Set this data to "7" or "1" when calling number and calling name is displayed at the same time.* **NOTE 2:** *When the second data of CM15 Y=400 is set to 7, set the second data of CM15 Y=136 to 1 (Calling Name Display).* **NOTE 3:** *When the second data of CM15 Y=400 is set to 1, set the second data of CM15 Y=136 to 0 (Calling Number Display).*			
401	Entry of Authorization Code/Forced Account Code after dialing an LCR access code and desired number	00 ~ 15	0 1 2 7◀	Allow (Authorization Code) Allow (Forced Account Code) Allow (Authorization Code [PAD LOCK]) Restricted
	NOTE: *To provide this operation, the following data assignments are required.* *- Toll restriction* *(CM12 Y=01, CM8A Y=5XXX: 000, CM81)* *- LCR origination* *(CM20 Y=0-3: A126/A127/A128/A129, CM8A Y=5XXX: 180, CM85)*			

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COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS A

Service Restriction Class A

◀: Default

Y		SERVICE REST. CLASS (A)	SETTING DATA	
No.	MEANING		DATA	MEANING
403	Trunk restriction class to be changed over when Check Out (FTC=16, FC=2 or FTC=56, FC=2) is set from the PMS	00 ~ 15	1 2 3 4 5 6 7 8 NONE◀	Unrestricted (RCA) Non-Restricted 1 (RCB) Non-Restricted 2 (RCC) Semi-Restricted 1 (RCD) Semi-Restricted 2 (RCE) Restricted 1 (RCF) Restricted 2 (RCG) Fully-Restricted (RCH) Set Room Cutoff
404	Trunk restriction class to be changed when the Restriction Level=1, 6 (Room Cutoff Set) of the Restriction Control (FTC=15, FC=1) is set from the PMS		1 2 3 4 5 6 7 8 NONE◀	Unrestricted (RCA) Non-Restricted 1 (RCB) Non-Restricted 2 (RCC) Semi-Restricted 1 (RCD) Semi-Restricted 2 (RCE) Restricted 1 (RCF) Restricted 2 (RCG) Fully-Restricted (RCH) Set Room Cutoff
405	Setting of DTMF Receiver PAD Pattern (For SLT)		00 15◀	PAD Pattern 0 (As per CM42>210) 0 dB

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COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS A

Service Restriction Class A

◀: Default

Y		SERVICE REST. CLASS (A)	SETTING DATA	
No.	MEANING		DATA	MEANING
406	Setting of DTMF Receiver Type (For SLT)	00 ~ 15	0 1 2 7◀	Receiver Type 0 (For Station/Trunk) Receiver Type 1 (As per CM45 Y=B) Receiver Type 2 (As per CM45 Y=B) Receiver Type 0 (For Station/Trunk)
407	Calling Number information to be displayed when an transferred call is terminated to the sub line of Multiline Terminal		0 1 3◀	Not displayed Transferring Party display Transferred Party display
408	VRS Waiting Message		0 1◀	Restricted Allow
409	Whether to transmit the caller ID of the call originator when an intermediate station holds the trunk incoming call and transfers it to the trunk		0 1◀	To transmit Not transmitted

NOTE 1: *Only ISDN/SIP Trunk can transmit the caller ID of the call originator at the outgoing trunk.*
NOTE 2: *This data is effective when CM35 Y=306 is set to 0 or CMBA Y=44 is set to 01/15.*
NOTE 3: *When an intermediate station is Attendant Console, set CM08>1030 (Whether to transmit the caller ID of the call originator when an Attendant Console holds the trunk incoming call and transfer it to the trunk).*

COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS B

Service Restriction Class B

◀: Default

Y		SERVICE REST. CLASS (B)	SETTING DATA	
No.	MEANING		DATA	MEANING
053	TAS Service	00 ~ 15	0 1◀	Restricted Allow
055	Individual Trunk Access from Station			
056	Change of mode for CAT			
059	Starting up OAI MSF from PB telephone/Multiline Terminal by using access code			
060	Day Night Mode Change by Station Dialing			
061	Periodic Time Indication Tone Sending			
062	Front Desk Terminal			
063	Privacy Release			
	NOTE: *To add a held call on Multiline Terminal multiline as a third party of Three-Way Calling (Conference [Three/Four Party]) by CNF and LINE key operation, set CM15 Y=063 to 1.*			
064	Dual Hold	00 ~ 15	0 1◀	Restricted Allow
066	Privacy (Inhibit Override by Do Not Disturb)			
067	Voice Call (called side)			
	NOTE: *Set the second data to "0" when MH240 is used.*			
068	Off-Hook Ringing	00 ~ 15	0 1◀	Restricted Allow
070	Group Listening		0 1◀	Allow Restricted
071	Attendant Terminal Class (Attendant Position)		0 1◀	Attendant Terminal Ordinary station
	NOTE: *To provide the Multiline Terminal Attendant Terminal, set "0" to a different Service Restriction Class number than for regular Multiline Terminal stations.* ***Example:*** *CLASS No. 00 (ATT Terminal)* / *CLASS No. 15 (STATION)* *CM15 Y=71* — *0* / *1* *CM15 Y=73* — *0* / *1*			

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COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS B

Service Restriction Class B

◀: Default

Y		SERVICE REST. CLASS (B)	SETTING DATA	
No.	MEANING		DATA	MEANING
072	Automatic Hold	00 ~ 15	0 1◀	Allow Restricted
073	Attendant Terminal ICI/OPE Key See CM15 Y=071		0 1◀	ICI/OPE Key Regular station
075	Maid Status		0 1◀	Restricted Allow
076	Collect Call Called Side			
151	Connected Destination Number/Calling Party Number Indication on Q-SIG		0 1◀	Restricted Allow
152	Connected Destination Name/Calling Party Name Indication on Q-SIG		0 1◀	Restricted Allow
153	Connected line number indication on Multiline Terminal display in ETSI ISDN Connected Line Identification Presentation (COLP) for a call termination office **[For EMEA]**		0 1◀	Restricted Allow
154	ETSI ISDN Connected Line Identification Presentation (COLP) for a call originating office **[For EMEA]**		0 1◀	Restricted Allow
155	International/National Prefix Code display for ETSI ISDN Addressing **[For EMEA]**		0 1◀	Restricted Allow
156	Calling Party Name sending to ISDN **[North America Only]**			
157	Call Completion to Busy Subscriber (CCBS) set from calling party **[For EMEA]**			
158	Call Completion to Busy Subscriber (CCBS) set to called party **[For EMEA]**			

COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS C

Service Restriction Class C

◀: Default

Y		SERVICE REST. CLASS (C)	SETTING DATA	
No.	MEANING		DATA	MEANING
081	One hit ringing for Call Forwarding-All Calls	00 ~ 15	0 1◀	Restricted Allow
082	Ringing Line Pick up		0 1◀	Allow Restricted
086	Ringing Line Pickup by Speaker key		0 1◀	Allow Restricted (Prime Line Pickup)
	NOTE: *This data is effective when CM15 Y=082 is set to "0" (Allow).*			
087	Off-Hook + Dial Tone is provided when pressing One-Touch key while terminal is idle	00 ~ 15	0 1◀	Restricted Allow
088 089	Switch Hook Flash during internal call Result of a Switch Hook Flash during a station-to-station call is specified by the combination of CM15 Y=088, 089.		0 1◀	See below

◀: Default

088	089	MEANING OF DATA	
1	1	Effective (Special Dial Tone Connection)	◀
0	1	Ineffective	
0	0	Attendant Recall	

090 091	Switch Hook Flash during C.O. line connection Result of a Switch Hook Flash during a C.O. line connection is specified by the combination of CM15 Y=090, 091.	00 ~ 15	0 1◀	See below

◀: Default

090	091	MEANING OF DATA	
1	1	Effective (Special Dial Tone Connection)	◀
0	1	Ineffective	
0	0	Attendant Recall	

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COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS C

Service Restriction Class C

◀: Default

Y		SERVICE REST. CLASS (C)	SETTING DATA	
No.	MEANING		DATA	MEANING
094	Display of the elapsed time to Multiline Terminal	00 ~ 15	0 1◀	Not displayed To display
096	Type of Multiline Terminal Automatic Allocation is available by Multiline Terminal with LCD for Call Park-System		0 1◀	Multiline Terminal without LCD Multiline Terminal with LCD
	NOTE: *Set the second data to "0" when outgoing call history (stack dial) is restricted.*			
097 098	Service for overflowed Off-Hook Alarm call Service for an Off-Hook Alarm call which encounters the terminating station busy is specified by the combination of data for CM15 Y=097, 098.	00 ~ 15	0 1◀	See below

◀: Default

097	098	MEANING OF DATA
0	0	UCD-Call Waiting (CM08>212: 0) Call Waiting is automatically selected, if UCD is not provided in the system.
0	1	UCD (CM08>212: 1)
1	0	Call Waiting
1	1	Hunting ◀

099	Voice Call Mike Off Called Side	00 ~ 15	0 1◀	Available Not available
182	Non private extension		0 1◀	Available Not available
186	Voice Mail Live Monitoring		0 1◀	Available Not available
188	Do Not Disturb Setting to sub-line (setting side)		0 1◀	Allow Restricted
189	Do Not Disturb Setting to sub-line (set side)		0 1◀	Allow Restricted

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COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS C

Service Restriction Class C

◀: Default

Y		SERVICE REST. CLASS (C)	SETTING DATA	
No.	MEANING		DATA	MEANING
194	Call log collection on VoIP call	00 ~ 15	0 1◀	Allow Restricted
	NOTE: *When changing this data of terminals accommodated in a Remote Unit, execute the system data copy by CMEC Y=8 to the Remote Unit.*			
195	Fault log collection on VoIP call	00 ~ 15	0 1◀	Restricted Allow
196	Tenant for outgoing call trunk route choice when IP station log in to visitor unit (User mobility service)		0 1◀	Tenant of the visitor unit to which IP station logged in (CM0B Y=1XX>11) Station tenant (CM12 Y=04)
	NOTE: *This data is effective when you logged in to a Unit differed from the Unit assigned by CM12 Y=64.*			
199	Security Mode for DT700/DT800/DT900 Series	00 ~ 15	0 1◀	Allow Restricted
	NOTE: *When this data is changed while the system is operating, reboot the terminal (re-login to the PBX).*			
280	Automatic change of Display 3 seconds later at the incoming call for Multiline Terminal (Self-Labeling) (Related Command: CM12 Y=07)	00 ~ 15	0 1◀	To change Not changed
	NOTE 1: *After setting this data, the assigned data is reflected to each Multiline Terminal by resetting the terminal or executing CM12 Y=29.* **NOTE 2:** *This command is used for Self-Labeling terminals (as per CM12 Y=104 for the Portal Mode Display of DT900 Series).*			
284	MW lamp on Multiline Terminal when Incoming Call History (CID Call Back)/Message Reminder is to be lit	00 ~ 15	0 1◀	Not lit To light
285	MW lamp on Multiline Terminal when UM8000 Mail/Voice Mail Live Record is to be lit		0 1◀	Not lit To light

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COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS C

Service Restriction Class C

◀: Default

Y		SERVICE REST. CLASS (C)	SETTING DATA	
No.	MEANING		DATA	MEANING
286	MW lamp on Multiline Terminal when Message Waiting/Message Waiting Console/Message Center Interface (MCI)/Open Application Interface (OAI)/Voice Mail Live Record-CCIS is to be lit	00 ~ 15	0 1◀	Not lit To light
289	Dial Mask on LCD during talking with trunk		0 1◀	Allow Restricted
	NOTE: *Set the second data of both CM15 Y=289 and CM35 Y=314 to "0" make the Dial Mask on LCD available.*			
291	Key Confirmation Tone for Multiline Terminal	00 ~ 15	0 1◀	OFF ON
	NOTE 1: *This data is effective only for D^{term}85 (Series i)/DT300/DT400/DT500 Series, D^{term}85 (IP Bundled type) and DT700/DT800/DT900 Series. However, there are the following constraints.* *- You cannot set to not ring the Key Confirmation Tone of the cordless handset for D^{term}85/DT300/DT400/DT500 Series.* *- The setting of this data is effective when the Key Confirmation Tone is set to "Auto" by the terminal setting of DT700/DT800/DT900 Series. For other than that, the Key Confirmation Tone complies with the setting of the terminal side.* **NOTE 2:** *A reset of the terminal is required when this data is set or changed.* **NOTE 3:** *When the second data is set to 0 (OFF), No Key Confirmation Tone is rung from either handset or speaker.*			
292	Specify whether calling station side is disconnected or continued when the call is disconnected by standard SIP station while incoming	00 ~ 15	0 1◀	Continued Disconnected
480	ID registration method for IP Station **NOTE 1:** *Effective only when CM08>513 is set to 1.* **NOTE 2:** *Set the second data to "7" when MH240 is used, because MH240 is only authenticated by MAC address.*		0 1 7◀	Protected Login Mode (Service Restriction Class based) Fixed Connection Mode Automatic Login Mode (Authentication by MAC Address)

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COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS C

Service Restriction Class C

◀: Default

Y		SERVICE REST. CLASS (C)	SETTING DATA	
No.	MEANING		DATA	MEANING
481	Call Forwarding-Logout (IP Station), Call Forwarding-Not Available (Standard SIP Station)	00 ~ 15	00 02 03◀	Restricted (Send RBT) Allow (Send Announcement to VRS when no destination is set) Allow (Send RBT when no destination is set)
482	Automatic updating of IP Station firmware at the predetermined time		0 1 2◀	Updating (One time retry) Updating (No retry) Not updating
483	Characteristic level of each station class (related to CM0B Y=300-350)		06 ~ 09 NONE◀	Characteristic level No data
	NOTE: *Do not change this data when the system is operated normally.*			

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COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS C

Service Restriction Class C

◀: Default

Y		SERVICE REST. CLASS (C)	SETTING DATA	
No.	MEANING		DATA	MEANING
484	Priority for Call Forwarding-All Calls of Mobility Access call	00 ~ 15	0 3◀	See below

◀: Default

PRIORITY	2ND DATA=0	2ND DATA=3◀
HIGH	Restriction of Inter-tenant Connection	Restriction of Inter-tenant Connection
	Call Forwarding-All Calls/Split Call Forwarding-All Calls	Call Forwarding-All Calls of Mobility Access
	Call Forwarding-All Calls of Mobility Access	Alternative ISDN Connection when Remote Unit in survival mode (CID Call Routing per each station)
	Alternative ISDN Connection when Remote Unit in survival mode (CID Call Routing per each station)	Alternative ISDN Connection when Remote Unit in survival mode (CID Call Routing per each tenant)
	Alternative ISDN Connection when Remote Unit in survival mode (CID Call Routing per each tenant)	Call Forwarding-Logout (IP Station)
	Call Forwarding-Logout (IP Station)	Call Forwarding-All Calls/Split Call Forwarding-All Calls
	Do Not Disturb/Return Message Schedule	Do Not Disturb/Return Message Schedule
	UCD (Uniform Call Distribution)	UCD (Uniform Call Distribution)
	Station Hunting	Station Hunting
LOW	Call Forwarding-Busy Line/Split Call Forwarding-Busy Line	Call Forwarding-Busy Line/Split Call Forwarding-Busy Line

NOTE: *Set the 2nd data to "0" to Mobility Access station number for Call Forwarding-All Calls of Mobility Access call.*

Continued on next page

COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS C

Service Restriction Class C

◀: Default

Y		SERVICE REST. CLASS (C)	SETTING DATA	
No.	MEANING		DATA	MEANING
485	Lighting time of LCD backlight for DT300/DT400/DT500/DT700/DT800/DT900 Series	00 ~ 15	0 1 2 3 4 5 6 NONE◀	Always off Always on 5 seconds 10 seconds 15 seconds 30 seconds 60 seconds 10 seconds
	NOTE: *After setting this data, the assigned data is reflected to each terminal by resetting the terminal or executing CM12 Y=29.*			
486	Setting of VoIP Encryption for DT700/DT800/DT900 series	00 ~ 15	0 1 2 7◀	To encrypt both Control and Voice packets To encrypt Control Packets only To encrypt Voice Packets only Encryption not provided
	NOTE: *After setting this command, a reset of the terminal is required.*			
489	Session Timer for Standard SIP station	00 ~ 15	0 1◀	Allow Restricted
491	Multiline Terminal Ringer Tone Pattern		0 1 2 3 4 5 6 7◀	Ringer Tone Pattern 0 Ringer Tone Pattern 1 Ringer Tone Pattern 2 Ringer Tone Pattern 3 Ringer Tone Pattern 4 Ringer Tone Pattern 5 Ringer Tone Pattern 6 Ringer Tone Pattern 7
	NOTE: *For the Ringer Tone Pattern, see CM64 Y=20-27 or CM65 Y=40.*			

Continued on next page

COMMAND CODE	TITLE:
15	SERVICE RESTRICTION CLASS C

Service Restriction Class C

◀: Default

Y		SERVICE REST. CLASS (C)	SETTING DATA	
No.	MEANING		DATA	MEANING
493	Brightness reduction in numerical keypad backlight for DT830/DT830CG/DT830DG/DT930CG/DT930 (Touch Panel) **[9300V3 STEP2]**	00 ~ 15	0 1◀	Allow Restricted
	NOTE: *A reset of the terminal (CM12 Y=89) is required when this data is set or changed.*			

COMMAND CODE	TITLE:
15	CHARGING STATION CLASS

Charging Station Class

◀: Default

Y		CHARGING STATION CLASS	SETTING DATA	
No.	MEANING		DATA	MEANING
390	Send detail information of Immediate Printout Call Record for the PMS	00 ~ 15	0 1◀	Allow Restricted
391	Accumulate the call charge		0 1◀	Allow Restricted
393	The operation set by CM4B Y=00 is executed simultaneously when Room Status Code is set/changed		0 1◀	Allow Restricted
394	Call Charge Print for hours		0 1◀	Allow Restricted

COMMAND CODE	TITLE:
16	CALL PICKUP GROUP/GROUP DIVERSION GROUP

FUNCTION:

This command is used to allocate stations to each Call Pickup group and Group Diversion group.

PRECAUTION:

(1) The maximum number of stations which can be assigned to a Call Pickup group is 60.

(2) There is no limitation to the number of Call Pickup groups.

(3) An individual station cannot be assigned to more than one Call Pickup group.

(4) A maximum of 31 Group Diversion groups can be assigned.
There is no limitation to the number of stations within a Group Diversion group.

(5) Group Diversion does not work for stations that are not in the Call Pickup group.

ASSIGNMENT PROCEDURE:

[ST] + 16Y + [DE] + STATION NUMBER (A) (1-8 digits) + [DE] + DATA (1-8 digits) + [EXE]

COMMAND CODE	TITLE:
16	CALL PICKUP GROUP/GROUP DIVERSION GROUP

DATA TABLE:

◀: Default

Y		STATION NUMBER (A)		SETTING DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
0	Next station number in Call Pickup Group	X ~ XXXXXXXX	Station number (A)	X ~ XXXXXXXX NONE◀	Station number (B) No data
		When assigning station numbers to a Call Pickup group, only two station numbers can be assigned per operation. Thus, by repeating the operation as often as required, all the station numbers to be included in a Call Pickup group can be assigned. The two station numbers to be assigned by one operation are defined as Station number (A) and Station number (B). For example, when defining a Call Pickup group with station numbers 300, 301, and 302, three operations are performed. Station number (A) / Station number (B) 1st Operation: 300 / 301 2nd Operation: 301 / 302 3rd Operation: 302 / 300 By these three operations, a chain of three lines is set up. As seen from above, one station can be either Station Number (A) or Station Number (B). Thus, Station Number (A)/(B) is used for identifying which of the two station numbers is to be set first.			
2	Station number included in Group Diversion	X ~ XXXXXXXX	Station numbers to be included in a Group Diversion	00 ~ 30 NONE◀	Group Diversion Group 00 ~ Group Diversion Group 30 See CM19 Y=6 No data
3	Display of station numbers included in Call Pickup group (Only display)	X ~ XXXXXXXX	Station number (A)	X ~ XXXXXXXX	Station number (B) (Only display)

Continued on next page

COMMAND CODE	TITLE:
16	CALL PICKUP GROUP/GROUP DIVERSION GROUP

◀: Default

Y		STATION NUMBER (A)		SETTING DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
8	Pilot station in Call Pickup group	X ~ XXXXXXXX	Station number in Call Pickup-Group	0 1◀	Pilot station Member station NOTE

NOTE: *Only one station can be assigned as the Pilot station of a Call Pickup group.*

COMMAND CODE	TITLE:
17	ACD/UCD GROUP

FUNCTION:

This command is used to define ACD (Automatic Call Distribution)/UCD (Uniform Call Distribution) groups.

PRECAUTION:

(1) A maximum of 100 ACD/UCD groups can be assigned per system.

(2) A maximum number of 60 stations can be assigned to a ACD/UCD group. A minimum number of 1 station can be assigned to an ACD/UCD group.

(3) Prior to changing or deleting the station number within an ACD/UCD group, in CM17 Y=0, it is necessary to change the data for CM17 Y=1-7 to the default.

(4) For details of other ACD/UCD services, refer to "AUTOMATIC CALL DISTRIBUTION (ACD)" or "UNIFORM CALL DISTRIBUTION (UCD)" of Programming Manual.

ASSIGNMENT PROCEDURE:

[ST] + 17Y + [DE] + STATION NUMBER (A) (1-8 digits) + [DE] + DATA (1-8 digits) + [EXE]

DATA TABLE:

◀: Default

Y		STATION NUMBER (A)		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
0	Next station number in ACD/UCD group	X ~ XXXXXXXX	Station number (A)	X ~ XXXXXXXX NONE◀	Station number (B) No data	CM17 Y=1-7, A-C

NOTE 1: *Station numbers should be individually assigned to an ACD/UCD group as shown below.*
170>400: 401
170>400: 402
170>400: 403
170>400: 404
170>400: 400

NOTE 2: *After data setting, lift the handset once, to activate the ACD/UCD function, at each ACD/UCD station.*

Continued on next page

COMMAND CODE	TITLE:
17	ACD/UCD GROUP

◀: Default

Y		STATION NUMBER (A)		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
1	Pilot station in ACD/UCD group	X ~ XXXXXXXX	Station number to be assigned as Pilot	0◀ 1	Member station Pilot station	CM17 Y=0
	Pilot station and Member station for OAI SCF	X ~ XXXXXXXX	Station number to be assigned to queuing for SCF	2 3	OAI Member station (Off Hook suppressed) OAI Pilot station (Monitor Pilot)	
2	ACD/UCD Group number	X ~ XXXXXXXX	Pilot and Member station numbers	00 ~ 99	ACD/UCD group 00 ~ ACD/UCD group 99	CM17 Y=0
				NONE◀	No data	
3	Display of station numbers included in ACD/UCD group (Only display)	X ~ XXXXXXXX	Station number (A)	X ~ XXXXXXXX	Station number (B) (Only display)	CM17 Y=0
	NOTE: *In CAT mode, the displaying station number is added 1 with every press of the S (Step forward) key regardless of the ACD/UCD group. In Command Mode of PCPro, the next station number in the ACD/UCD group is displayed with every press of S (Step forward) key.*					
4	ACD/UCD service for internal call	X ~ XXXXXXXX	Pilot station number of ACD/UCD group	0 1◀	Not provided To provide	CM17 Y=1
5	ACD/UCD service for C.O./DID incoming call	X ~ XXXXXXXX	Pilot station number of ACD/UCD group	0 1◀	Not provided To provide	CM17 Y=1
6	ACD/UCD service for Tie Line incoming call	X ~ XXXXXXXX	Pilot station number of ACD/UCD group	0 1◀	Not provided To provide	CM17 Y=1
7	ACD/UCD service for DID/Automated Attendant	X ~ XXXXXXXX	Pilot station number of ACD/UCD group	0 1◀	Not provided To provide	CM17 Y=1

Continued on next page

COMMAND CODE	TITLE:
17	ACD/UCD GROUP

◀: Default

Y		STATION NUMBER (A)		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
A	ACD/UCD Delay Announcement Service (for incoming trunk call)	X ~ XXXXXXXX	Pilot station number of ACD/ UCD group	0 1◀	To send periodically To send only once	CM17 Y=0 CM41 Y=0>16/47/67 CM49 Y=00 CM51 Y=17
B	Designation of number of queuing in each ACD/UCD group	X ~ XXXXXXXX	Pilot station number of ACD/ UCD group	0 1◀	As per CM42>16 Not provided (No limitation)	CM17 Y=1 CM42>16
C	ACD/UCD Group select for Delay Announcement Service (for incoming trunk call) and Overflow Announcement Service	X ~ XXXXXXXX	Pilot station number of ACD/ UCD group	00 ~ 99 NONE◀	Use VRS of ACD/ UCD group number 00-99 Use VRS of own ACD/UCD Group (CM17 Y=2)	CM17 Y=0, 1 CM49 Y=00
	NOTE 1: *Set this data when sharing a VRS assigned by CM49 Y=00: 0B0XX/11XX/12XX with multiple ACD/ UCD groups using VRS other than own group number.* **NOTE 2:** *Set this data for the pilot station (assigned by CM17 Y=1).*					
D	UCD Delay Announcement Service (for Station call)	X ~ XXXXXXXX	Pilot station number of UCD group	0 1◀	To send periodically To send only once	CM41 Y=0>167-169
E	UCD Group select for Delay Announcement Service (for Station call)	X ~ XXXXXXXX	Pilot station number of UCD group	00 ~ 99 NONE◀	Use VRS of UCD group number 00-99 Use VRS of own UCD group (CM17 Y=2)	CM08>1407 CM17 Y=1, 2 CM49 Y= 00: 0B1XX
	NOTE 1: *Set this data when sharing a VRS assigned by CM49 Y=00: 0B1XX with multiple UCD groups and using VRS other than own group number.* **NOTE 2:** *Set this data for the pilot station (assigned by CM17 Y=1).*					

COMMAND CODE	TITLE:
18	STATION HUNTING GROUP

FUNCTION:

This command is used to assign stations to a Station Hunting group. There are three hunt types; Station Hunting-Terminal, Station Hunting-Circular and Station Hunting-Secretarial.

PRECAUTION:

(1) When a Station Hunting group requires a secretary station, it is necessary to assign CM18 Y=2.

(2) The maximum number of stations which can be assigned to a Station Hunting group is 60.

(3) There is no limitation to the number of Station Hunting groups.

(4) An individual station cannot be assigned to more than one Hunting group.

(5) Only one hunting system (Station Hunting-Terminal/Station Hunting-Circular/Station Hunting-Secretarial) can be assigned to a Hunting group.

ASSIGNMENT PROCEDURE:

[ST] + 18Y + [DE] + STATION NUMBER (A) (1-8 digits) + [DE] + DATA (1-8 digits) + [EXE]

COMMAND CODE	TITLE:
18	STATION HUNTING GROUP

DATA TABLE:

(1) Station Hunting-Terminal

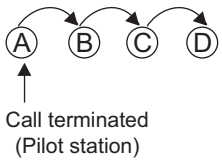
◀: Default

Y		STATION NUMBER (A)		SETTING DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
0	Next station number in Station Hunting group	X ~ XXXXXXXX	Station number (A)	X ~ XXXXXXXX NONE◀	Station number (B) No data
		When assigning station numbers to a Station Hunting group, only two station numbers can be assigned per operation. By repeating the operation as often as required, all the station numbers to be included in a Station Hunting Group can be assigned. The two station numbers to be assigned with one operation are defined as Station Number (A) and Station Number (B). **Example:** When you define a Station Hunting-Terminal group using Station Numbers 300, 301, and 302, designate 300 as the pilot station number, and perform the following three operations: Station No. (A) / Station No. (B) 1st Operation: 300 / 301 2nd Operation: 301 / 302 3rd Operation: 302 / 300 As seen above, one station can be either Station Number (A) or Station Number (B). Station Number (A)/(B) is used to identify which of the two station numbers is to be assigned first.			
1	Kind of station numbers included in Station Hunting group	X ~ XXXXXXXX	Station number	0◀ 1	Member station of Station Hunting-Terminal Pilot station of Station Hunting-Terminal
	NOTE: *In service originating station numbers specified by CM13 Y=64, assign a pilot station number specified by CM57 Y=33 as a pilot station and assign others as member stations.*				

Continued on next page

COMMAND CODE	TITLE:
18	STATION HUNTING GROUP

◀: Default

Y		STATION NUMBER (A)		SETTING DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
2	Secretary station Secretary station should be Pilot station.	X ~ XXXXXXXX	Secretary station number	00 ~ 30 31◀	Secretary station serial numbers Not assigned
	Operation:  	The correspondence between Serial numbers and Secretary station numbers is set by CM19. The data can be set only to Pilot stations, and thus cannot be set to any of the member stations.			
	NOTE: *If an incoming call terminated to a Station Hunting group has encountered all line busy, the call is routed to a designated station. This station is called "Secretary station".*				
3	Display of station numbers included in Station Hunting group (Only display)	X ~ XXXXXXXX	Station number (A)	X ~ XXXXXXXX	Station number (B) (Only display)
	NOTE: *In CAT mode, the displaying station number is added 1 with every press of the S (Step forward) key regardless of the Station Hunting group. In Command Mode of PCPro, the next station number in the Station Hunting group is displayed with every press of S (Step forward) key.*				

COMMAND CODE	TITLE:
18	STATION HUNTING GROUP

(2) Station Hunting-Circular

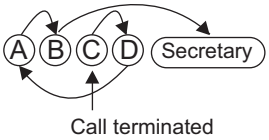
◀: Default

Y		STATION NUMBER (A)		SETTING DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
0	Next station number in Station Hunting group	X ~ XXXXXXXX	Station number (A)	X ~ XXXXXXXX NONE◀	Station number (B) No data
		Example: When you define a Station Hunting-Circular group which consists of station numbers 310-312, the following three operations are required: Station No. (A) / Station No. (B) 1st Operation 310 311 2nd Operation 311 312 3rd Operation 312 310 The above operations produce a "chain" comprised of three lines. As seen above, a station can be either Station Number (A) or Station Number (B).			
	NOTE: *Combine this data with the pilot station number assigned by CM57 Y=33 to make a Station Hunting group.*				
1	Hunting direction	X ~ XXXXXXXX	Station number	0◀ 1 5	Not used If station is busy, hunt in original direction If station is busy, hunt in reverse direction

Continued on next page

COMMAND CODE	TITLE:
18	STATION HUNTING GROUP

◀: Default

Y		STATION NUMBER (A)		SETTING DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
2	Secretary station: **Operation:**  	X ~ XXXXXXXX	Secretary station number	00 ~ 30 31◀	Secretary station serial numbers No data
		The correspondence between Serial numbers and Secretary station numbers is set by CM19. The data can be set all the stations of the Station Hunting-Circular. Also, each of the stations belonging to the same one Hunting group can be assigned its own Secretary station.			
	NOTE: *If an incoming call terminated to a Station Hunting group has encountered all line busy, the call is routed to a designated station. This station is called "Secretary station".*				
3	Display of station numbers included in Station Hunting group (Only display)	X ~ XXXXXXXX	Station number (A)	X ~ XXXXXXXX	Station number (B) (Only display)
	NOTE: *In CAT mode, the displaying station number is added 1 with every press of the S (Step forward) key regardless of the Station Hunting group. In Command Mode of PCPro, the next station number in the Station Hunting group is displayed with every press of S (Step forward) key.*				

COMMAND CODE	TITLE:
18	STATION HUNTING GROUP

(3) Station Hunting-Secretarial

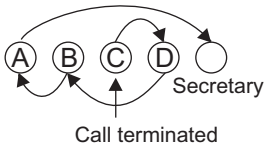
◀: Default

Y		STATION NUMBER (A)		SETTING DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
0	Next station number in Station Hunting group	X ~ XXXXXXXX	Station number (A)	X ~ XXXXXXXX NONE◀	Station number (B) No data
		Example: When you define Station Hunting-Secretarial group which consists of station numbers 320-323, the following four operations are required: Station No. (A) / Station No. (B) 1st Operation 320 321 2nd Operation 321 322 3rd Operation 322 323 4th Operation 323 320 The above operations produce a "chain" comprised of four lines. As seen above, a station can be either Station Number (A) or Station Number (B). Thus, Station Number (A)/(B) is used for identifying which of the two station number is to be assigned first.			
1	Kind of station numbers included in Station Hunting group	X ~ XXXXXXXX	Station number	0◀ 1 5	Not used Station number other than the last station number for Station Hunting-Secretarial Last station number of Station Hunting-Secretarial

Continued on next page

COMMAND CODE	TITLE:
18	STATION HUNTING GROUP

◀: Default

Y		STATION NUMBER (A)		SETTING DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
2	Secretary station **Operation:**  	X ~ XXXXXXXX	Secretary station number	00 ~ 30 31◀	Secretary station serial numbers Not assigned
		The correspondence between Serial numbers and Secretary station numbers is set by CM19. The data can be set all of the stations belonging to the Station Hunting-Secretarial. Also, each station belonging to the same one Hunting group can be assigned its own Secretary station.			
	NOTE: *If an incoming call terminated to a Station Hunting group has encountered all line busy, the call is routed to a designated station. This station is called "Secretary station".*				
3	Display of station numbers included in Station Hunting group (Only display)	X ~ XXXXXXXX	Station number (A)	X ~ XXXXXXXX	Station number (B) (Only display)
	NOTE: *In CAT mode, the displaying station number is added 1 with every press of the S (Step forward) key regardless of the Station Hunting group. In Command Mode of PCPro, the next station number in the Station Hunting group is displayed with every press of S (Step forward) key.*				

COMMAND CODE	TITLE:
19	SECRETARY/GROUP DIVERSION STATION NUMBER

FUNCTION:

This command is used to assign Secretary station numbers.
And also, to assign transferred stations for Group Diversion.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + 19Y + [DE] + SECRETARY STATION SERIAL NUMBER (00-30) / GROUP DIVERSION GROUP (00-30) + [DE] + DATA (1-8 digits)
+ [EXE]

DATA TABLE:

◀: Default

Y		SECRETARY STATION SERIAL NUMBER	SETTING DATA	
No.	MEANING		DATA	MEANING
0	Setting of Secretary station number	00 ~ 30 ☞ See CM18 Y=2	X ~ XXXXXXXX NONE◀	Secretary station number No data
1	Setting of Secretary Hunting method		0◀ 5 7	Not used Hunting (As per CM19 Y=2) No hunting
2	Setting of order of Secretary Hunting	00-30: Secretary station serial number (A)	00-30 31◀	Secretary station serial number (B) Not used

NOTE: *The Secretary Station serial number should be assigned individually in the order of the desired secretary hunting, as shown below.*

	Secretary Station Serial No. (A)	*Secretary Station Serial No. (B)*
1st operation	*Secretary 0*	*Secretary 1*
2nd operation	*Secretary 1*	*Secretary 2*

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COMMAND CODE	TITLE:
19	SECRETARY/GROUP DIVERSION STATION NUMBER

◀: Default

Y		SECRETARY STATION SERIAL NUMBER	SETTING DATA	
No.	MEANING		DATA	MEANING
6	Transferred station of Call Forwarding-No Answer for each Group Diversion group ☞ See CM08>026	00: Group Diversion group 00 ~ ~ 30: Group Diversion group 30 ☞ See CM16 Y=2	X ~ XXXXXXXX NONE◀	Station number transferred. Data "E000" (DESKCON) is not provided. No data

COMMAND CODE	TITLE:
1B	ISDN TELEPHONE MULTIPOINT STATION NUMBER

FUNCTION:

This command is used for an ISDN Telephone Multipoint station number.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + 1B + [DE] + ISDN LINE STATION No. (1-8 digits) + [,] + ISDN MULTIPOINT No. (0-7) + [DE] + DATA (1-8 digits) + [EXE]

DATA TABLE:

1ST DATA		2ND DATA		RELATED COMMAND
DATA	MEANING	DATA	MEANING	
XXXXXXXX[,]Z	XXXXXXXX: ISDN Line Station No. (EFXXXXXXXX assigned by CM10 Y=00) Z: ISDN Multipoint No. (0-7)	X ~ XXXXXXXX	ISDN Telephone Multipoint Station No. X: 0-9, A (*), B (#)	CM10 Y=00 CMAC Y=01

COMMAND CODE	TITLE:
1D	STANDARD SIP STATION OPERATION DATA DOWNLOAD

FUNCTION:

This command is used to download the Standard SIP station operation data.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + 1DYY + [DE] + STANDARD SIP STATION No. (1-8 digits) + [DE] + SETTING DATA (1-9 digits) + [EXE]

DATA TABLE:

◀: Default

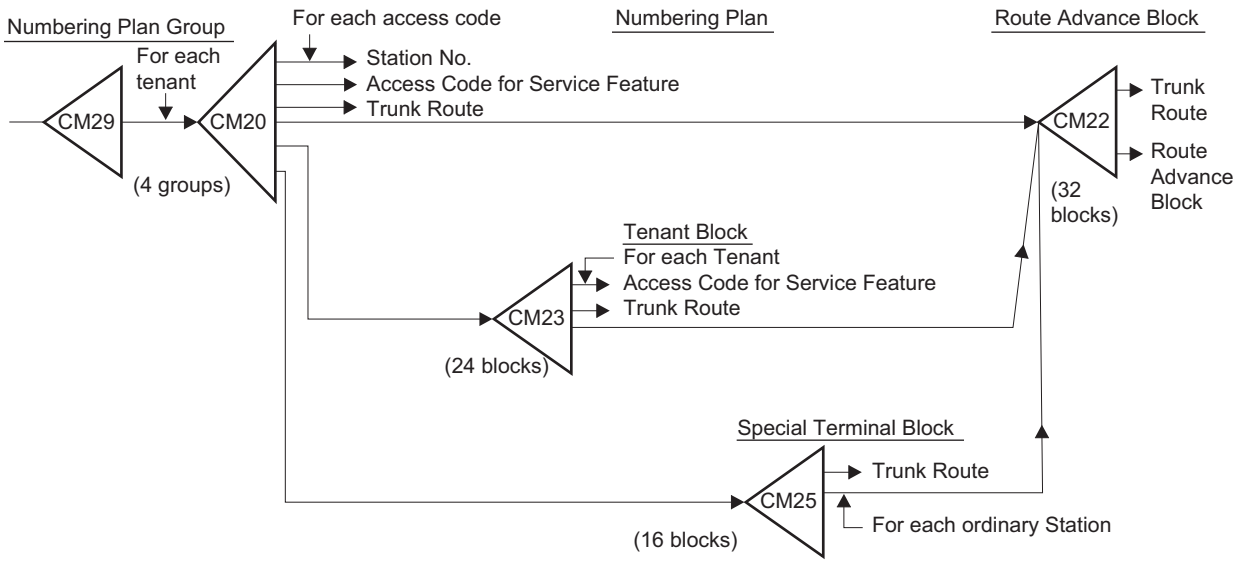
Y		STANDARD SIP STATION No.	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
14	Terminal type	X-XXXXXXXX (Standard SIP station No.)	0 1◀	Standard SIP station Not used	CM10 Y=04
	NOTE: *Set the second data to "0" when Standard SIP station is accommodated.*				
15	Terminal type of Standard SIP station	X-XXXXXXXX (Standard SIP station No.)	05 15◀	Standard SIP station Not used	CM10 Y=04
32	Standard SIP station Authentication	X-XXXXXXXX (Standard SIP Station No.)	02 03 15◀	Allowed Restricted Allowed	CM10 Y=04
	NOTE 1: *Be sure to set the second data to "03" (Restricted) when not executing the authentication.* **NOTE 2:** *To execute the authentication, settings of user name and password for Standard SIP station are required.* - *User name: set the Standard SIP station number assigned by CM10 Y=04.* - *Password: set the password assigned by CM2B Y=00.* **NOTE 3:** *Be sure to reset Standard SIP station when this data setting is changed.*				

COMMAND CODE	TITLE: NUMBERING PLAN/SINGLE DIGIT FEATURE ACCESS CODE (PROGRAMMABLE)
20	

FUNCTION:

Trunk routes and features are assigned by developing access codes. For Route Advance and Tenant development, see CM22 and CM23.

The following figure shows the relationship between commands:



PRECAUTION:

(1) If "7XX" (XX=20-83) is displayed when reading out the assigned data for the access code, the access code which was entered is the leading digits of another access code consisting of more digits. Add a digit to the entered access code and try again (to determine the other access code). Then decide which one to use or delete/change (not enough digits entered).

(2) If "WRONG" is displayed when reading out the assigned data for the access code, another access code already exists with the same leading digits. Delete the last digit and try again (to determine the other access code). Then decide which one to use or delete/change (too many digits entered).

Continued on next page

COMMAND CODE	TITLE: NUMBERING PLAN/SINGLE DIGIT FEATURE ACCESS CODE (PROGRAMMABLE)
20	

(3) Name Display Registration From Multiline Terminal is as follows.

- You can configure the station number from the Multiline Terminal to which the station number belongs.
- Register the characters from PCPro/CAT to SLT, Multiline Terminal without LCD and Trunk.
- The characters are specified by the number of pressing the keys (0-9, *, #).

☞ See "Character Table" on next page.

Example: To register "A", press [2] key twice.
By pressing same key 6 times, the character returns to the one pressed once.

- To register characters, press [Hold] key after each character registration.
- To switch between alphabet upper case (A-Z) and alphabet lower case (a-z), press [Recall] key.
- To delete the data, overwrite by blank.
- The following is the example to register "JOHN":

(1)	[Speaker] (DT receiving)	
(2)	Register the access code specified for Name Display (SPDT receiving).	
(3)	[5] [5] [Hold]	J
(4)	[6] [6] [6] [6] [Hold]	O
(5)	[4] [4] [4] [Hold]	H
(6)	[6] [6] [6] [Hold]	N
(7)	[Speaker]	

Continued on next page

COMMAND CODE	TITLE: NUMBERING PLAN/SINGLE DIGIT FEATURE ACCESS CODE (PROGRAMMABLE)
20	

Character Table

KEY / NUMBER OF TIMES	0	1	2	3	4	5	6	7	8	9	*	#
1	0	1	2	3	4	5	6	7	8	9	*	#
2		·	A	D	G	J	M	P	T	W	*	#
3		·	B	E	H	K	N	Q	U	X	*	#
4		·	C	F	I	L	O	R	V	Y	*	#
5		·						S		Z	*	#

ASSIGNMENT PROCEDURE:

[ST] + 20Y + [DE] + ACCESS CODE (1-4 digits) + [DE] + DATA (1-4 digits) + [EXE]

COMMAND CODE	TITLE: NUMBERING PLAN/SINGLE DIGIT FEATURE ACCESS CODE (PROGRAMMABLE)
20	

DATA TABLE:

◀: Default

Y		ACCESS CODE		SETTING DATA		RELATED COMMAND
No.	MEANING			DATA	MEANING	
0 1 2 3	Numbering Plan Group 0 Numbering Plan Group 1 Numbering Plan Group 2 Numbering Plan Group 3	X ~ XXXX	X: 0-9, A (*), B (#)	A004-A097	See "SETTING DATA: A004-A097"	CM29
				800-828	See "SETTING DATA: 800-828"	
				A100-A199	See "SETTING DATA: A100-A199"	
				A230-A277	See "SETTING DATA: A230-A277"	
				A400-A649 [9300V8]	See "SETTING DATA: A400-A649"	
				100-515	See "SETTING DATA: 100-515"	
				NONE◀	No data	
4	Single Digit Feature Access Code for BT connection	X	X: 0-9, A (*), B (#)	2 3 4 5 6 7 8 9 NONE◀	Call Back/Trunk Queuing-Outgoing Executive Override Camp On Call Waiting Message Reminder Set Step Call Message Waiting Record Voice Mail Transfer Single Digit Feature Access Code is not available	CM08>570
5	Single Digit Feature Access Code for RBT connection			1 2 6 8 9 NONE◀	Internal Tone/Voice Signaling (Voice Call-Multiline Terminal/Attendant) Call Back/Trunk Queuing-Outgoing Message Reminder Set Message Waiting Record Voice Mail Transfer Single Digit Feature Access	CM08>570

COMMAND CODE	TITLE: NUMBERING PLAN/SINGLE DIGIT FEATURE ACCESS CODE (PROGRAMMABLE)
20	

SETTING DATA: A004-A097

SETTING DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
A004	Outgoing Trunk Queueing/Call Back/Call Completion to Busy Subscriber (CCBS) Set **[For EMEA]**	When Outgoing Trunk Queueing, Call Back and Completion of Calls to Busy Subscriber (CCBS) share the same access code.	CM15 Y=002, 003, 025, 157, 158 CM35 Y=028, 044
A005	Outgoing Trunk Queueing/Call Back/Call Completion to Busy Subscriber (CCBS) Cancel **[For EMEA]**		
A006	Executive Right of Way (Executive Override)		CM15 Y=005-009
A007	Camp-On by Station (Transfer method)		CM08>146, 147 CM15 Y=016
A008	Call Park-System Set	For Single Line Station/Multiline Terminal/Attendant Console	CM15 Y=096
A009	Call Park-System Retrieve		
A010	Call Forwarding-All Calls Set		CM15 Y=000, 026
A011	Call Forwarding-All Calls Cancel		
A012	Call Forwarding-No Answer/Busy Line Set	CM20 Y=0-3: A012, A013 are used when Call Forwarding-No Answer and Busy Line share the same access code.	CM15 Y=010, 011, 028
A013	Call Forwarding-No Answer/Busy Line Cancel		
A014	Call Forwarding-Busy Line Set		CM15 Y=011, 028 CM36
A015	Call Forwarding-Busy Line Cancel		
A016	Call Forwarding-No Answer Set		CM15 Y=010, 027 CM36
A017	Call Forwarding-No Answer Cancel		
A018	Call Forwarding-I'm here (Destination) Set		CM15 Y=015
A019	Call Forwarding-I'm here (Destination) Cancel		
A020	Call Pickup-Group		CM16
A021	Call Pickup-Direct		CM15 Y=014

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COMMAND CODE	TITLE: NUMBERING PLAN/SINGLE DIGIT FEATURE ACCESS CODE (PROGRAMMABLE)
20	

SETTING DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
A022	Do Not Disturb Set	From station	CM08>275 CM15 Y=019
A023	Do Not Disturb/Return Message Schedule Cancel		
A024	Wake Up Call/Timed Reminder Set		CM15 Y=013
A025	Wake Up Call/Timed Reminder Cancel		
A026	Wake Up Call/Timed Reminder Check		
A027	Wake Up Call Set from Predetermined Station (Single Wake Up time operation)		CM15 Y=020 CM42>03
A028	Wake Up Call Set from Predetermined Station (Multiple Wake Up time operation)		CM15 Y=021
A029	Maid Status		
A033	Monitor **NOTE**		CM08>259 CM15 Y=103, 104
A034	Intra-office termination on Tandem connection		
A035	Intra-office termination on Tandem connection	DT Sending (Mark out System)	
A037	Call Pickup-Designated Group		CM15 Y=014 CM16
A040	MW Lamp Control Set		CM15 Y=024, 040 CM90
A041	MW Lamp Control Reset		

NOTE: *Monitoring telephone conversations may be illegal under certain circumstances and laws. Consult a legal advisor before implementing the monitoring of telephone conversations. Some federal and state laws require a party monitoring a telephone conversation to use beep-tones, to notify all parties to the telephone conversation, and/or to obtain consent from all parties to the telephone conversation. Some of these laws provide strict penalties for illegal monitoring of telephone conversations.*

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COMMAND CODE	TITLE: NUMBERING PLAN/SINGLE DIGIT FEATURE ACCESS CODE (PROGRAMMABLE)
20	

SETTING DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
A043	Day Night Mode Change by Station Dialing		CM15 Y=060 CM08>244, 245
A044	ACD/UCD Station Busy Out Set		
A045	ACD/UCD Station Busy Out Reset		
A046	Call Hold		CM15 Y=001
A047	TAS Answer A		CM15 Y=053 CM53
A048	TAS Answer B		
A049	TAS Answer C		
A050	TAS Answer D		
A051	TAS Answer E		
A058	Trunk Hold		
A059	Trunk Answer		
A062	Call Park-Tenant Set/Retrieve	For single line station/Multiline Terminal	
A064	Station Speed Dialing Origination		CM73, 74 CM15 Y=007
A065	Station Speed Dialing Entry		
A066	Station Speed Dialing Cancel		
A067	System Speed Dialing Origination	For 2-4 digits origination Maximum of 26 digits	CM71, 72 CM15 Y=006
A069	Last Number Redial		CM08>177

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COMMAND CODE	TITLE: NUMBERING PLAN/SINGLE DIGIT FEATURE ACCESS CODE (PROGRAMMABLE)
20	

SETTING DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
A070	Paging Answer Zone 0		CM30 Y=28 CM44 CM15 Y=008 CM08>157
A071	Paging Answer Zone 1		
A072	Paging Answer Zone 2		
A073	Paging Answer Zone 3		
A074	Paging Answer Zone 4		
A075	Paging Answer Zone 5		
A076	Paging Answer Zone 6		
A077	Paging Answer Zone 7		
A078	Paging Answer Zone 8		
A079	Paging Answer Zone 9		
A080	Speaker/Radio Paging Cancel (Delay Operation)		CM41 Y=0>20
A081	Individual Trunk Access		CM30 Y=19 CM15 Y=055
A084	OAI Terminal Mode Set Facility (MSF)		
A085	Account Code		CM15 Y=030 CM42>10
A086	Authorization Code		CM08>216 CM15 Y=031 CM42>11
A087	Forced Account Code		CM08>216 CM15 Y=031 CM42>12, CM2A
A088	Priority Call 0	These calls are routed to the operator.	CM90 CM15 Y=017, 018 CM08>250, 251
A089	Priority Call 1		

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COMMAND CODE	TITLE: NUMBERING PLAN/SINGLE DIGIT FEATURE ACCESS CODE (PROGRAMMABLE)
20	

SETTING DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
A090	Special Operator Call 0		CM90
A091	Special Operator Call 1		
A092	Special Operator Call 2		
A093	Special Operator Call 3		
A094	Emergency Call		
A095	Individual Attendant Access/Inter Position Transfer		CM90
A097	Direct Data Entry		CM90

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COMMAND CODE	TITLE:
20	NUMBERING PLAN/SINGLE DIGIT FEATURE ACCESS CODE (PROGRAMMABLE)

SETTING DATA: 800-828

SETTING DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
800	Operator Call		CM90
801	1 digit Station	Maximum of 6 digits station number should be assigned when providing PMS.	
802	2 digits Station		
803	3 digits Station		
804	4 digits Station		
805	5 digits Station		
806	6 digits Station		
807	7 digits Station		
808	8 digits Station		
823	2-3 digits Station		CM41 Y=0>13
824	2-4 digits Station		
825	2-5 digits Station		
826	2-6 digits Station		
827	2-7 digits Station		
828	2-8 digits Station		

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COMMAND CODE	TITLE: NUMBERING PLAN/SINGLE DIGIT FEATURE ACCESS CODE (PROGRAMMABLE)
20	

SETTING DATA: A100-A199

SETTING DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
A100	Voice Response System Access Record		CM10 CM15 Y=033
A101	Voice Response System Access Replay		
A102	Voice Response System Access Delete		
A103	Announcement Service Record		CM10 CM15 Y=034-039 CM49 Y=00 CM35 Y=069-073
A104	Announcement Service Group 0 Replay		
A105	Announcement Service Group 1 Replay		
A106	Announcement Service Group 2 Replay		
A107	Announcement Service Group 3 Replay		
A108	Announcement Service Group 4 Replay		
A109	Announcement Service Delete		
A110	Name Display	For Multiline Terminal, Attendant Console ☞ See PRECAUTION (3)	
A113	Voice Message Waiting Service-System (Setting of station numbers to be sent)		CM13 Y=03 CM15 Y=041, 042 CM49 Y=00
A114	Voice Message Waiting Service-Individual (Setting of station numbers to be sent)		
A115	Voice Message Waiting Service-System Record		
A116	Voice Message Waiting Service-System Replay		
A118	Voice Message Waiting Service-System Delete		
A119	Voice Message Waiting Service-System/Individual (Reset of station numbers to be sent)		
A120	Voice Message Waiting Service-System/Individual Retrieve		
A125	Call Waiting (Camp-On by station-Call Waiting Method)		CM13 Y=21 CM15 Y=043, 044

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COMMAND CODE	TITLE: NUMBERING PLAN/SINGLE DIGIT FEATURE ACCESS CODE (PROGRAMMABLE)
20	

SETTING DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
A126	LCR Group 0		CM8A Y=A000
A127	LCR Group 1		
A128	LCR Group 2		
A129	LCR Group 3	Assign A129 only when the LCR Group access code is included in the area code table in CM8A (Closed Numbering).	
A130	Internal Zone Paging Group 0	Paging Access	CM56 Y=00-07 CM15 Y=049 CM90
A131	Internal Zone Paging Group 1		
A132	Internal Zone Paging Group 2		
A133	Internal Zone Paging Group 3		
A134	Internal Zone Paging Group 4		
A135	Internal Zone Paging Group 5		
A136	Internal Zone Paging Group 6		
A137	Internal Zone Paging Group 7		
A138	Internal Zone Paging Group 0	Meet-me Answer	CM56 Y=00-07 CM15 Y=049 CM90
A139	Internal Zone Paging Group 1		
A140	Internal Zone Paging Group 2		
A141	Internal Zone Paging Group 3		
A142	Internal Zone Paging Group 4		
A143	Internal Zone Paging Group 5		
A144	Internal Zone Paging Group 6		
A145	Internal Zone Paging Group 7		

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COMMAND CODE	TITLE: NUMBERING PLAN/SINGLE DIGIT FEATURE ACCESS CODE (PROGRAMMABLE)
20	

SETTING DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
A146	Message Waiting/Message Reminder Search		CM15 Y=047, 048 CM13>03 CM90
A147	Message Waiting/Message Reminder Retrieve		
A148	Message Reminder Set		
A149	Message Reminder Cancel		
A154	Return Message Schedule Set	Cancel Code: Set data A023.	CM15 Y=019
A155	Day/Night Mode change, Attendant Lockout from DESKCON	For DESKCON without MODE key	CM90
A156	Attendant Programming for Remote Access to System (DISA), System Speed Dialing, Date/ Time Change and Tone Ringer Change from DESKCON	For DESKCON without PROG key	
A157	FLF Authorization Code Recognition		
A158	Sending of Hooking Signal to C.O. line/Centrex from PB telephone		
A163	Voice Call/Ring Tone Programming	For Multiline Terminal	
A164	All Zone Internal Paging	For calling	CM08>158
A165	Voice Message Waiting Service-Individual All Clear when the called station does not answer		
A170	Malicious Call Trace **[Australia Only]**		CM15 Y=211 CM35 Y=106
A180	Split Call Forwarding-All Calls Set		
A181	Split Call Forwarding-All Calls Cancel		
A182	Split Call Forwarding-Busy Line/-No Answer Set		
A183	Split Call Forwarding-Busy Line/-No Answer Cancel		
A188	Whisper Page		

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COMMAND CODE	TITLE: NUMBERING PLAN/SINGLE DIGIT FEATURE ACCESS CODE (PROGRAMMABLE)
20	

SETTING DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
A189	Call Forwarding-Not Available Set		
A190	Call Forwarding-Not Available Cancel		
A191	Call Forwarding-Not Available Replay		
A192	Number Sharing Set from sub station		
A193	Number Sharing Cancel from sub station		
A194	Number Sharing Set from main station		
A195	Number Sharing Cancel from main station		
A196	Set Relocation		
A197	System Clock Setup by Station Dialing		CM15 Y=130 CM90 Y=00: F0A97
A198	Call Park-System Set which retrieved by dialing station number		CM90 Y=00: F0A98
A199	Call Park-System Retrieve by dialing station number		

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COMMAND CODE	TITLE:
20	NUMBERING PLAN/SINGLE DIGIT FEATURE ACCESS CODE (PROGRAMMABLE)

SETTING DATA: A230-A277

SETTING DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
A230	Station Class change with Station Authorization Code		CM42>73
A231	Station Authorization Code/Password Change		CM42>73
A232	Pad Lock Set by Station Authorization Code		
A233	Pad Lock Reset by Station Authorization Code		
A234	Call Pickup-Group (Pilot)		CM16 Y=8 CM90 Y=00: F0B34
A239	IP Station Logout		CM15 Y=143 CM90 Y=00: F0B39
A241	Call Forwarding-Logout/Call Forwarding-Standard SIP station Off Hook/Power Off/Cable Pulled Out Set		
A242	Call Forwarding-Logout/Call Forwarding-Standard SIP station Off Hook/Power Off/Cable Pulled Out Cancel		
A243	System Speed Dialing origination (1-8 digits abbreviated Code: depends on CM42>77)		
A256	Mobility Access Mode Set (Trunk Access Code 1)		CM64 Y=10 CM90 Y=00: F0B56
A257	Mobility Access Mode Cancel		CM90 Y=00: F0B56
A259	Reverse Contrast on the LCD	DT330/DT430/DT530/DT710/DT730/DT730DG/DT820/DT830/DT830DG/DT920 only	CM13 Y=66 CM90 Y=00: F5033
A260	Do Not Disturb-Override/Call Forwarding-All Calls Override		CM90 Y=00: F1080, F6103, F6108

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COMMAND CODE	TITLE: NUMBERING PLAN/SINGLE DIGIT FEATURE ACCESS CODE (PROGRAMMABLE)
20	

SETTING DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
A261	Dual Ringing Set		CM12 Y=77
A262	Dual Ringing Cancel		
A263	Peer-to-Peer Connection for Station-to-Station Call with Standard SIP station Set	When the call is originated only with a station number (without Access Code), the RTP route set by CM15 Y=229 is applied.	CM15 Y=229
A264	Peer-to-Peer Connection for Station-to-Station Call with Standard SIP station Cancel		
A267	Mobility Access Mode Set (Trunk Access Code 2)		CM64 Y=14 CM90 Y=00: F0B56
A268	Mobility Access Mode Set (Trunk Access Code 3)		CM64 Y=15 CM90 Y=00: F0B56
A269	Mobility Access Mode Set (Trunk Access Code 4)		CM64 Y=16 CM90 Y=00: F0B56
A272	Power ON/OFF by Multiline Terminal Power Saving (for own tenant)		CM15 Y=231 CM65 Y=100
A273	Power ON/OFF by Multiline Terminal Power Saving (for tenant specification)		CM90 Y=00: F1700-F1763 CM15 Y=231 CM65 Y=100
A274	Wake Up Call Set with Snooze **[9300V3]**		CM20 Y=0-3: A024 CM04 Y=01>19 CM48 Y=1>00
A275	Malicious Call Set by Malicious Call number specification **[9300V3]**		CM13 Y=90
A276	Malicious Call Delete by Malicious Call number specification **[9300V3]**		CM13 Y=91

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COMMAND CODE	TITLE: NUMBERING PLAN/SINGLE DIGIT FEATURE ACCESS CODE (PROGRAMMABLE)
20	

SETTING DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
A277	Copy key data of Multiline Terminal [9300V4]		CM90 Y=09 CM08>1054 CM15 Y=234, 235

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COMMAND CODE	TITLE:
20	NUMBERING PLAN/SINGLE DIGIT FEATURE ACCESS CODE (PROGRAMMABLE)

SETTING DATA: A400-A649

SETTING DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
A400 ~ A649	Group Messaging by Access Code Dialing Pattern 000 ~ ~ Group Messaging by Access Code Dialing Pattern 249 **[9300V8]**	Set the Pattern No. (Group No. + Message No.) that is delivered by Group Messaging by Access Code Dialing. Broadcast destination is to be assigned by CM57 Y=38.	CM57 Y=38 CM13 Y=101

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COMMAND CODE	TITLE:
20	NUMBERING PLAN/SINGLE DIGIT FEATURE ACCESS CODE (PROGRAMMABLE)

SETTING DATA: 100-515

SETTING DATA		REMARKS	RELATED COMMAND
DATA	MEANING		
100 ~ 163	Trunk Route 00 ~ ~ Trunk Route 63	Data is to be assigned for Trunk Routes corresponding to the access codes for outgoing trunk calls (COT, LDT, ODT, etc.).	CM30
200 ~ 231	Route Advance Block 00 ~ ~ Route Advance Block 31	Data is to be assigned in the following two cases; there are two or more trunk routes for outgoing call, and for determining the seizing order of the trunk route.	CM22
300 ~ 323	Tenant Block 00 ~ ~ Tenant Block 23	Data is to be assigned when the purpose and method of the same access code varies with each tenant.	CM23
500 ~ 515	Kind of Special Terminal Block 00 ~ ~ Kind of Special Terminal Block 15	Data is to be assigned when the purpose and method of the same access code varies with each special terminal (single line station).	CM25

COMMAND CODE	TITLE:
21	SINGLE DIGIT ACCESS CODE

FUNCTION:

This command sets a single digit code to be recognized under timing start condition.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + 21Y + [DE] + ACCESS CODE (1 digit) + [DE] + DATA (3/4 digits) + [EXE]

DATA TABLE:

Y		ACCESS CODE	SETTING DATA	
No.	MEANING		DATA	MEANING
0 1 2 3	Numbering Plan 0 Numbering Plan 1 Numbering Plan 2 Numbering Plan 3	X: 0-9, A (*), B (#)	A047 ~ A051	TAS Answer A ~ TAS Answer E See CM20
			100 ~ 163	Trunk Route 00 ~ ~ Trunk Route 63
			200 ~ 231	Route Advance Block 00 ~ ~ Route Advance Block 31 See CM22
			800	Operator Call
			801	Single digit station No.

COMMAND CODE	TITLE:
22	ROUTE ADVANCE

FUNCTION:

This command is used to assign alternative trunk routes to each Route Advance Block.

PRECAUTION:

A maximum of seven consecutive priorities can be assigned.

ASSIGNMENT PROCEDURE:

[ST] + 22YY + [DE] + PRIORITY ORDER (1 digit) + [DE] + DATA (3 digits) + [EXE]

DATA TABLE:

◀: Default

Y		PRIORITY ORDER		SETTING DATA	
No.	MEANING			DATA	MEANING
00	Route Advance Block 00	0	1st Priority	100	Trunk Route 00
≀	≀ ≀	1	2nd Priority	≀	≀ ≀
31	Route Advance Block 31	2	3rd Priority	163	Trunk Route 63
		3	4th Priority	NONE◀	No data
			NOTE	200	Route Advance Block 00
				≀	≀ ≀
				231	Route Advance Block 31
				NONE◀	No data

NOTE: *In the following example, seven priorities are defined by using a priority (Priority 3 of Route Advance Block 00) to "point" to another Route Advance Block 01.*

	PRIORITY ORDER	DATA		
Route Advance Block 00	0	100	1st	
	1	101	2nd	
	2	102	3rd	
	3	201		← To Route Advance Block 01
Route Advance Block 01	0	103	4th	
	1	104	5th	
	2	105	6th	
	3	106	7th	

COMMAND CODE	TITLE:
23	TENANT DEVELOPMENT

FUNCTION:

Trunk routes and services are assigned by developing access codes for each tenant.
For further development, use CM22 Route Advance.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

ST + 23YY + DE + TENANT NUMBER (2 digits) + DE + DATA (3/4 digits) + EXE

DATA TABLE:

◀: Default

Y		TENANT		SETTING DATA		RELATED COMMAND
No.	MEANING			DATA	MEANING	
00 ~ 23	Tenant Block 00 ~ Tenant Block 23	00 ~ 63	Tenant 00 ~ Tenant 63	A004 ~ A097 800 ~ 828 A100 ~ A199	Services ☞ See CM20	CM20
				100 ~ 163	Trunk Route 00 ~ Trunk Route 63	CM30
				200 ~ 231	Route Advance Block 00 ~ Route Advance Block 31	CM22
				NONE◀	No data	

COMMAND CODE	TITLE:
25	KIND OF SPECIAL TERMINAL DEVELOPMENT

FUNCTION:

For each access code assigned to a special terminal block, a trunk route can be assigned based on which type of special terminal (ordinary station or FAX station) is placing the call. For special terminal assignments requiring development of route advance data for trunk route assignment, route advance development and the corresponding trunk routes are assigned using CM22.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + 25YY + [DE] + KIND OF SPECIAL TERMINAL (1 digit) + [DE] + DATA (3 digits) + [EXE]

DATA TABLE:

◀: Default

Y		KIND OF SPECIAL TERMINAL		SETTING DATA		RELATED COMMAND
No.	MEANING			DATA	MEANING	
00 ~ 15	Kind of Special Terminal Block 00 ~ Kind of Special Terminal Block 15	0 1 2 3 4	Ordinary station FAX station See CM13 Y=07 Speech/3.1 kHz audio Unrestricted digital information Attendant Console	100 ~ 163 NONE◀	Trunk Route 00 ~ Trunk Route 63 No data	CM30
				200 ~ 231 NONE◀	Route Advance Block 00 ~ Route Advance Block 31 No data	CM22

COMMAND CODE	TITLE:
29	NUMBERING PLAN TENANT GROUP

FUNCTION:

When each tenant has its own numbering plan in a multiple-tenant system, all the tenants are divided into four groups. Numbering Plan Group data is then assigned on a tenant basis.

PRECAUTION:

If the data is not assigned ("NONE"), then Numbering Plan Group 0 is used for all tenants.

ASSIGNMENT PROCEDURE:

[ST] + 29 + [DE] + TENANT NUMBER (2 digits) + [DE] + DATA (3 digits) + [EXE]

DATA TABLE:

◀: Default

TENANT NUMBER		SETTING DATA		RELATED COMMAND	REMARKS
00 ~ 63	Tenant 00 ~ Tenant 63	710	Numbering Plan Group 0	CM20 Y=0	
		711	Numbering Plan Group 1	CM20 Y=1	
		712	Numbering Plan Group 2	CM20 Y=2	
		713	Numbering Plan Group 3	CM20 Y=3	
		NONE◀	Numbering Plan Group 0		

COMMAND CODE	TITLE:
2A	ID CODE ASSIGNMENT WITH CPU/DEVELOPMENT BLOCK NUMBER ASSIGNMENT FOR EACH CALLING PARTY NUMBER

FUNCTION:

This command assigns ID codes used for the Authorization Code/Forced Account Code/Remote Access to System (DISA) features with CPU and Development Block number for each calling party number.

PRECAUTION:

These ID codes are effective when CM08>216/217 are set to “0”.

ASSIGNMENT PROCEDURE:

[ST] + 2AYY + [DE] + 1ST DATA (1-16 digits) + [DE] + 2ND DATA (1-8 digits) + [EXE]

DATA TABLE:

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
00 ~ 09	ID Code Development number 00-09 **NOTE:** *CM2A Y=00-09 is determined by CM2A Y=A0 2nd data 0-9.*	X-X..XXX	ID Code (Maximum 16 digits)	0000 ~ 2999 NONE◀	ID Code Pattern number No data

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COMMAND CODE	TITLE:
2A	ID CODE ASSIGNMENT WITH CPU/DEVELOPMENT BLOCK NUMBER ASSIGNMENT FOR EACH CALLING PARTY NUMBER

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
10	Valid range of ID Code	0000-2999	ID Code Pattern number	0 1 2 3◀	Authorization Code, Forced Account Code, and Remote Access to System (DISA) Authorization Code, Forced Account Code Remote Access to System (DISA) Invalidate ID code
11	Trunk Restriction Class			1◀ 2 3 4 5 6 7 8	Unrestricted (RCA) Non-Restricted-1 (RCB) Non-Restricted-2 (RCC) Semi-Restricted-1 (RCD) Semi-Restricted-2 (RCE) Restricted-1 (RCF) Restricted-2 (RCG) Fully-Restricted (RCH)
12	Service Restriction Class A			00 ~ 15◀	Service Restriction Class A 00-15 **NOTE:** *Available features in each class are assigned by CM15.*
13	Service Restriction Class B			00 ~ 15◀	Service Restriction Class B 00-15 **NOTE:** *Available features in each class are assigned by CM15.*
14	Service Restriction Class C			00 ~ 15◀	Service Restriction Class C 00-15 **NOTE:** *Available features in each class are assigned by CM15.*

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COMMAND CODE	TITLE:
2A	ID CODE ASSIGNMENT WITH CPU/DEVELOPMENT BLOCK NUMBER ASSIGNMENT FOR EACH CALLING PARTY NUMBER

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
15	Calling party number is used as the ID Code for Remote Access to System (DISA)	0000-2999	ID Code Pattern number	0 1◀	Available Not available
16	Setting station of Manual Call Forwarding set by DISA			X-XXXXXXXX NONE◀	Station No. All stations
50	Development Block number for calling party number (Development Pattern 0 assigned by CM76 Y=26/CM35 Y=174)	X-X...XXX	Calling Party number (Maximum 16 digits)	000 ~ 999 NONE◀	Development Block No. assigned by CM76 Y=00/90 No data
51	Development Block number for calling party number (Development Pattern 1 assigned by CM76 Y=26/CM35 Y=174)				
52	Development Block number for calling party number (Development Pattern 2 assigned by CM76 Y=26/CM35 Y=174)				

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COMMAND CODE	TITLE:
2A	ID CODE ASSIGNMENT WITH CPU/DEVELOPMENT BLOCK NUMBER ASSIGNMENT FOR EACH CALLING PARTY NUMBER

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
A0	ID Code Development number **NOTE:** *CM2A Y=00-09 is determined by this data.*	0	Authorization Code	0-9	ID Code Development Number 00-09 (Related Command: CM2A Y=00-09)
		1	Forced Account Code		
		2	Remote Access to System (DISA) Code	NONE◀	No data
		3	Automatic service setting by Remote Access to System (DISA)		

NOTE: *Authorization Code and Forced Account Code are both available for changing class of service. The only difference is that Forced Account Code appears in the account code field in the SMDR data stream. Authorization Code appears in a separate field designated specifically for Authorization Code.*

COMMAND CODE	TITLE:
2B	AUTHORIZATION CODE PER STATION/IP STATION PASSWORD ASSIGNMENT/ STATION DIGEST AUTHENTICATION PASSWORD ASSIGNMENT/STANDARD SIP STATION REGISTRATION PASSWORD ASSIGNMENT/VoIP ENCRYPTION PASSWORD ASSIGNMENT

FUNCTION:

This command is used to set up the Authorization Code per station for PAD Lock feature. Also used to set up the password for the ID registration of the IP Station, Station Digest Authentication and the VoIP Encryption.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + 2BYY + [DE] + 1ST DATA (1-8 digits) + [DE] + 2ND DATA (1-10 digits) + [EXE]

COMMAND CODE	TITLE:
2B	AUTHORIZATION CODE PER STATION/IP STATION PASSWORD ASSIGNMENT/ STATION DIGEST AUTHENTICATION PASSWORD ASSIGNMENT/STANDARD SIP STATION REGISTRATION PASSWORD ASSIGNMENT/VoIP ENCRYPTION PASSWORD ASSIGNMENT

DATA TABLE:

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
00	Authorization Code per station	X ~ XXXXXXXX	Station number (Maximum 8 digits)	X ~ XXXXXXXX CCC NONE◀	Authorization Code (Maximum 8 digits) X: 0-9, A (*), B (#) Clear No data	
	IP Station registration password for Protected Login Mode			X ~ XXXXXXXX NONE◀	Password (Maximum 8 digits) X: 0-9, A (*), B (#) No data	CM08>513 CM15 Y=480
	Station Digest Authentication password			X ~ XXXXXXXX NONE◀	Password (Maximum 8 digits) X: 0-9, A (*), B (#) No data	
	Standard SIP Station registration password			X ~ XXXXXXXX NONE◀	Password (Maximum 8 digits) X: 0-9, A (*), B (#) No data	

NOTE 1: *When the default is set to "NONE", the password is set to "0000".*
NOTE 2: *The number of digits of the second data depends on the setting of CM42>73.*
NOTE 3: *To let the Standard SIP station function when no data is set for a digest authentication (such as conducting test operation by maintenance personnel), set "0000" (4 digits) as a password regardless of the setting of CM42>73.*
NOTE 4: *The setting of Standard SIP station number is not available when originating/terminating a call or during a call ("WAIT, BUSY NOW" is displayed).*
NOTE 5: *Be sure to reset Standard SIP station when this data setting is changed.*

Continued on next page

COMMAND CODE	TITLE:
2B	AUTHORIZATION CODE PER STATION/IP STATION PASSWORD ASSIGNMENT/ STATION DIGEST AUTHENTICATION PASSWORD ASSIGNMENT/STANDARD SIP STATION REGISTRATION PASSWORD ASSIGNMENT/VoIP ENCRYPTION PASSWORD ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
01	Trunk Restriction Class	X ~ XXXXXXXX	Station number (Maximum 8 digits)	1◀ 2 3 4 5 6 7 8	Unrestricted (RCA) Non-Restricted 1 (RCB) Non-Restricted 2 (RCC) Semi-Restricted 1 (RCD) Semi-Restricted 2 (RCE) Restricted 1 (RCF) Restricted 2 (RCG) Fully-Restricted (RCH)	CM12 Y=02 CM15 Y=031 CM42>73 CM20 Y=0-3: A230 CM2B Y=02
02	Service Restriction Class A			00 ~ 15◀	Service Restriction Class A (00-15) **NOTE:** *The features available in each class are programmed in CM15.*	CM2B Y=01 CM15
03	Service Restriction Class B			00 ~ 15◀	Service Restriction Class B (00-15) **NOTE:** *The features available in each class are programmed in CM15.*	CM15
04	Service Restriction Class C			00 ~ 15◀	Service Restriction Class C (00-15) **NOTE:** *The features available in each class are programmed in CM15.*	CM15

Continued on next page

COMMAND CODE	TITLE:
2B	AUTHORIZATION CODE PER STATION/IP STATION PASSWORD ASSIGNMENT/ STATION DIGEST AUTHENTICATION PASSWORD ASSIGNMENT/STANDARD SIP STATION REGISTRATION PASSWORD ASSIGNMENT/VoIP ENCRYPTION PASSWORD ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
10	IP Station registration password for Automatic Login Mode (for maintenance personnel)	00	Password for reset setup	X ~ XXXXXXXX NONE◀	Password (Maximum 8 digits) X: 0-9, A (*), B (#) No data	CM08>513 CM15 Y=480
11	VoIP Encryption Password	00	One Time Password	XXXX ~ XXXXX XXXXX NONE◀	One Time Password (OTP) (4-10 digits) X: 0-9, A (*), B (#) No data	
	NOTE 1: *Specify the password assigned by this data to One Time Password (OTP) for the terminal.* **NOTE 2:** *For security improvement, it is recommended to clear this data after DT700/DT800/DT900 series setup. For adding on the DT700/DT800/DT900 series after clearing this data, a reassignment of this data is required.*					
12	Login password for User Web Portal	X ~ XXXXXXXX	Station No.	X ~ XX...XX **** NONE◀	WRITE: Password of User Web Portal (1-16 digits) **NOTE 1, NOTE 2** READ : Password established **NOTE 3** No data = Station No.	
	NOTE 1: *The following characters can be used for a password; Alphabet upper case (A-Z), alphabet lower case (a-z), numeric (0-9), symbol (! " # $ % & ' ( ) * + , : ; < = > ? @ [ ] ^ _ ' { | } ~), Space, hyphen (-), period (.), slash (/), backslash (\)* **NOTE 2:** *The character string "CCC" cannot be registered when setting this data in CAT mode. (If "CCC" is entered, a password clearing will be performed.)* **NOTE 3:** *If a password has been already set by this command, **** (4 digits fixed) is displayed regardless of the number of digits set for the password.*					

COMMAND CODE	TITLE:
30	TRUNK DATA

FUNCTION:

This command is used to assign characteristics to trunk lines and IPT (P2P CCIS) lines which have been defined by CM10.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

ST + 30YY + DE + TRUNK NUMBER (000-511) + DE + DATA (1-8 digits) + EXE

DATA TABLE:

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Trunk route allocation RESET BLADE RESET IPT (P2P CCIS) RESET	00 ~ 63 NONE◀	Trunk route number 00 ~ Trunk route number 63 No data	CM35 CM10
01	Allocation of tenants to trunks	00 01◀ ~ 63	Tenant number 00 Tenant number 01 ~ Tenant number 63	CM63 Y=0, 2 CM49 Y=01-07 CM51, CM65

Continued on next page

COMMAND CODE	TITLE:
30	TRUNK DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
02	Terminating system in Day Mode for incoming C.O. calls	02	Trunk Line (Direct) Appearance	CM30 Y=18
		03	Trunk Line (Direct) Appearance + TAS	
		04	Direct-In Termination	CM30 Y=04
		06	Direct-In Termination + Trunk Line (Direct) Appearance	CM49, CM64
		08	Dial-in	
		09	Automated Attendant	
		10	Attendant Console + TAS	
		11	Attendant Console + Trunk Line (Direct) Appearance	
		12	Attendant Console + Trunk Line (Direct) Appearance + TAS	
		13	TAS	
		14	Attendant Console	
		16	Remote Access to System (DISA)	CM08>217 CM2A
		18	ISDN Indial (for receiving maximum 8digits dialed number)	
		21	ISDN Indial (for receiving complete dialed number)	
		23	Enblock Dialing Method (for Forced On PBX) **[For EMEA]**	
		31◀	DID, Tie Line and the call which is not handled by the PBX	

NOTE 1: *When data 02, 03, 11 or 12 is assigned, set CM30 Y=18 to 0.*
NOTE 2: *For DIDs and Tie Lines, set CM30 Y=02 and CM30 Y=03 to 31.*
NOTE 3: *When data 18 is assigned, the maximum dialed number can be received in ISDN Indial differ with command as bellow.*
- *When using CM76 Y=00, the maximum dialed number is 4 digits.*
- *When using CM76 Y=90, the maximum dialed number is 8 digits.*

Continued on next page

COMMAND CODE	TITLE:
30	TRUNK DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
03	Terminating system in Night Mode for incoming C.O. calls (☞ See NOTE 1, NOTE 2, NOTE 3 on CM30 Y=02)	02 ~ 31◀	Same as CM30 Y=02	
04	Direct-In Termination in Day Mode	X ~ XXXXXXXX	Station number for Direct-In Termination in Day Mode	CM10, CM11
		CXX	Abbreviated code of Station number for Direct-In Termination in Day Mode given by CM71>66 XX: 00-99	CM71>66 CM35 Y=040
		EBXXX	Voice Response System number XXX: 000-015	CM15 Y=033 CM20 Y=0-3: A100, A101, A102 CM49 Y=00: 03000
		NONE◀	No data	
05	Direct-In Termination in Night Mode	X ~ XXXXXXXX	Station number for Direct-In Termination in Night Mode: Night Connection-Fixed	CM10, CM11 CM08>179
		CXX	Abbreviated code of Station number for Direct-In Termination in Night Mode given by CM71>66 XX: 00-99	CM71>66 CM35 Y=040
		EBXXX	Voice Response System number XXX: 000-015	CM15 Y=033 CM20 Y=0-3: A100, A101, A102 CM49 Y=00: 03000
		NONE◀	No data	

Continued on next page

COMMAND CODE	TITLE:
30	TRUNK DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
07	CIC (Circuit Identification Code) used for ISDN-Primary Rate Interface voice channels **NOTE**	000 ~ 029 NONE◀	CIC000 ~ CIC029 No data	
08	Restriction of outgoing connection during Night Mode	0 1◀	Restricted Allow	CM60

NOTE: *Assign CIC to voice channels only. Do not assign CIC to the trunk number of D channel as follows:*

Example for 30PRT

TRK No. D100	*Bch*	*CIC 000*
~ ~	~	~
TRK No. D114	*Bch*	*CIC 014*
TRK No. D115	*Dch*	–
TRK No. D116	*Bch*	*CIC 015*
~ ~	~	~
TRK No. D130	*Bch*	*CIC 029*

Example for 24PRT

TRK No. D100	*Bch*	*CIC 000*
~ ~	~	~
TRK No. D122	*Bch*	*CIC 022*
TRK No. D123	*Dch*	–

Continued on next page

COMMAND CODE	TITLE:
30	TRUNK DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
09	Trunk group number **NOTE:** *Paging trunks cannot be assigned to the Trunk Group Busy Lamp.*	01 ~ 62	Identification of Trunk Group Busy Lamps on an external display device	CM44 Y=00: 11XX
			Identification of Trunk Group Busy Lamps on Multiline Terminal/DESK-CON	CM90 Y=00: F1201-F1262
		NONE◀	No data	
13	Handing of busy/not available Direct-In Termination destination in Day Mode	01 04 06 15◀	Forward to TAS BUZZER indication Forward to Attendant Console Automatic Camp-On Keep the call ringing (Wait until the station becomes idle)	CM44 Y=00: 13XX CM53
14	Handing of busy/not available Direct-In Termination destination in Night Mode	01 04 06 15◀	Forward to TAS BUZZER indication Forward to Attendant Console Automatic Camp-On Keep the call ringing (Wait until the station becomes idle)	CM44 Y=00: 13XX CM53
15	Handling of unanswered calls to Direct-In Termination destination in Day Mode	01 03 15◀	Attendant Console TAS Keep the call ringing	CM30 Y=02
16	Handling of unanswered calls to Direct-In Termination destination in Night Mode	01 03 15◀	Attendant Console TAS Keep the call ringing	CM30 Y=03
17	Trunk Answer Any Station (TAS) group	00 ~ 63 NONE◀	TAS group number No data	CM30 Y=13, 14 CM44 Y=00: 13XX
18	Trunk Line (Direct) Appearance-Multiline Terminal	0 1◀	To provide Not provided	CM30 Y=02, 03

Continued on next page

COMMAND CODE	TITLE:
30	TRUNK DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
19	Trunk number	XXXX	Trunk ID code NOTE	
	ISDN subscriber number		ISDN subscriber number NOTE	CM30 Y=34 CM50 Y=05
28	Paging Answer Zone/Kind of Paging	XZ	X: Paging Answer Zone 0: Paging Answer Zone 0 ~ 9: Paging Answer Zone 9	CM20 Y=0-3: A070-A079 CM44 Y=00: 02XX
			Z: Kind of Paging 1: Radio Paging no answer 3: Radio Paging, non-delay answer 5: Radio Paging, non-delay and delay answer 6: Radio Paging, no answer and calling party's station number sent automatically	CM35 Y=008 CM35 Y=008, 013
		NONE◀	No data	

NOTE: *For Individual Trunk Access, assign the trunk ID code/ISDN subscriber number by CM30 Y=19. The assigned trunk ID code/ISDN subscriber number is displayed on the Attendant Console or Multiline Terminal.*

Continued on next page

COMMAND CODE	TITLE:
30	TRUNK DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
30	Handling of busy/not available Automated Attendant/Remote Access to System (DISA) destination in Day Mode NOTE 1 NOTE 2	00 01 03 04 05 06 08 15◀	C.O. line release Forward to TAS indicator Forward to Attendant Console Forward to DIT station Music + DT connection for Redial DT connection for Redial Automated Attendant: 2nd Answering message + DT connection for Redial or Remote Access to System (DISA): C.O. line release C.O. line release	CM41 Y=0>34 CM30 Y=04, 05 CM49 Y=02 CM48 Y=2
31	Handling of busy/not available Automated Attendant/Remote Access to System (DISA) destination in Night Mode NOTE 1 NOTE 2	00 ~ 15◀	Same as CM30 Y=30	Same as CM30 Y=30
32	Handling of timed-out Automated Attendant call in Day Mode	00 01 03 04 06 15◀	C.O. line release Forward to TAS indicator Forward to Attendant Console Forward to DIT station DT connection for Redial C.O. line release	CM41 Y=0>43 CM30 Y=04, 05 CM48 Y=2

NOTE 1: *For Remote Access to System (DISA), CM30 Y=30, 31 are effective only for a station call.*

NOTE 2: *When providing a Night Message for Automated Attendant, the 2nd Answering Message which is assigned by CM49 Y=00 2nd data 02XX is used for the Night Message. In that case, the 2nd data 08 of CM30 Y=30, 31 cannot be assigned for handling of Busy/Not Available Automated Attendant destination.*

Continued on next page

COMMAND CODE	TITLE:
30	TRUNK DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
33	Automated Attendant Handling of all PBR busy when 2nd announcement and DT are connected. ☞ See CM30 Y=30/31: 08	00 01 03 15◀	C.O. line release Forward to TAS indicator Forward to Attendant Console C.O. line release	CM30 Y=30, 31
34	ISDN Local Office Code Table number	00 ~ 14 15◀	Local Office Code Table No. 00 ~ Local Office Code Table No. 14 Not assigned	CM50 Y=05
35	CIC (Circuit Identification Code) used for No. 7 CCIS/SIP voice channels RESET	001 ~ 127 NONE◀	CIC 001 ~ CIC 127 No data	CM35 Y=090, 091
	NOTE 1: *Be sure to assign a CIC number for each call channel Trunk No. so that it does not overlap each other.* **NOTE 2:** *When Point-to-Multipoint connection is assigned to connect SIP Trunks (when CMA7 Y=46 is set to "0"), be sure that the trunk route No. assigned by this data does not overlap the trunk route No. used for IPT (P2P CCIS) within a same office.* **NOTE 3:** *Set this data after setting CM35 Y=090/091.*			
37	Handling of timed-out Automated Attendant call in Night Mode	00 ~ 15◀	Same as CM30 Y=32	Same as CM30 Y=32

Continued on next page

COMMAND CODE	TITLE:
30	TRUNK DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
40	Terminating System in Mode A for incoming C.O. calls	02	Trunk Line (Direct) Appearance	CM30 Y=18
		03	Trunk Line (Direct) Appearance + TAS	
41	Terminating System in Mode B for incoming C.O. calls	04	Direct-In Termination	CM30 Y=05
		08	Dial-in	
		09	Automated Attendant	CM49, CM64
		10	Attendant Console + TAS	
		11	Attendant Console + Trunk Line (Direct) Appearance	
		12	Attendant Console + Trunk Line (Direct) Appearance + TAS	
		14	Termination to Attendant Console	
		16	Remote Access to System (DISA)	CM08>217 CM2A
		18	ISDN Indial (for receiving maximum 8digits dialed number)	
		21	ISDN Indial (for receiving complete dialed number)	
		23	Enblock Dialing Method (for Forced On PBX)	
			[For EMEA]	
		31◀	DID, Tie Line and the call which is not handled by the PBX	

NOTE 1: *When data 02, 03, 11 or 12 is assigned, set CM30 Y=18 to 0.*
NOTE 2: *For DIDs and Tie Lines, set CM30 Y=02 and CM30 Y=03 to 31.*
NOTE 3: *When data 18 is assigned, the maximum dialed number can be received in ISDN Indial differ with command as bellow.*
- *When using CM76 Y=00, the maximum dialed number is 4 digits.*
- *When using CM76 Y=90, the maximum dialed number is 8 digits.*

Continued on next page

COMMAND CODE	TITLE:
30	TRUNK DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
42	Direct-In Termination in Mode A	X ~ XXXXXXXX	Station number for Direct-In Termination in Mode A	CM10, CM11
		CXX	Abbreviated code of Station number for Direct-In Termination in Mode A given by CM71>66 XX: 00-99	CM71>66 CM35 Y=040
		EBXXX	Voice Response System number XXX: 000-015	CM15 Y=033 CM20 Y=0-3: A100, A101, A102 CM49 Y=00: 03000
		NONE◀	No data	
43	Direct-In Termination in Mode B	X ~ XXXXXXXX	Station number for Direct-In Termination in Mode B: Night Connection-Fixed	CM10, CM11 CM08>179
		CXX	Abbreviated code of Station number for Direct-In Termination in Mode B given by CM71>66 XX: 00-99	CM71>66 CM35 Y=040
		EBXXX	Voice Response System number XXX: 000-015	CM15 Y=033 CM20 Y=0-3: A100, A101, A102 CM49 Y=00: 03000
		NONE◀	No data	
47	Association of BRT and Multiline Terminal for power failure NOTE 1 NOTE 2	X ~ XXXXXXXX	Station number of Multiline Terminal for power failure	CM41 Y=0>145

NOTE 1: *The first data of this data can be assigned only a B1 channel trunk number of BRT.*

NOTE 2: *The BRT and the Multiline Terminal for power failure must be installed on the same Line/Trunk chassis for activating this data.*

COMMAND CODE	TITLE:
31	MFC/MF-ANI TRUNK DATA

FUNCTION:

This command is used to assign the attribute data to MFC/MF-ANI trunk lines.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + 31Y + [DE] + 1ST DATA (1-2 digits) + [DE] + 2ND DATA (1-2 digits) + [EXE]

DATA TABLE:

◀: Default

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
0	0	Nation code (RESET)	01 03 04 15 NONE◀	Australia North America Asia/Africa/Europe/Latin America/ Middle East/Russia New Zealand As per CPU blade
		Nation code **[For EMEA]** (RESET)	05	Austria/Belgium/Denmark/Germany/Italy/ South Africa/Spain/Sweden/Switzerland/ The Netherlands/UK/Brazil/China/International/Latin America/Asia
		NOTE 1: *Default of CM31 Y=0>0 depends on each nation code of the CPU program.* *For Australia/NZ: 01◀* *For North America: 03◀* *For Asia/Africa/Europe/Latin America/Middle East/Russia: 04◀* **NOTE 2:** *In case of EMEA, the default of CM31 Y=0>0 is same as North America (nation code 03). Therefore, you must set the nation code to 05 by this command.* **NOTE 3:** *A-law/μ-law setting is decided in the following order.* *1. Setting of CM04 Y=10-59* *2. Setting by CPU*		

Continued on next page

COMMAND CODE	TITLE:
31	MFC/MF-ANI TRUNK DATA

◀: Default

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
1	2	Number of received digits of called number from PSTN/T1 network (RESET)	01 ~ 31 NONE◀	1 digit ~ 31 digits No data
3	00	Signal pattern received from T1 network **[North America Only]** (RESET)	01 02 03 NONE◀	Called number + ANI ANI Called number ANI + Called number
		NOTE: *When the signal pattern from T1 network is FGD format, assign the data to "NONE". When the signal pattern from T1 network is ANI format, assign the data "02".*		
6	01 ~ 15	Received Backward GA signals on DOD MFC call 01-15: Backward Group A1-A15	00 01 02 03 04 05 06 07 08 09 NONE◀	Send first digit Send next digit (N+1) Send last but one digit (n-1) Address complete, change over GB Congestion Send calling party's category No. Address complete, setup speech condition Send last but two digit (n-2) Send last but three digit (n-3) Send last digit No data
7	01 ~ 15	Received Backward GB signals on DOD MFC call 01-15: Backward Group B1-B15	01 02 04 05 06 07 08 NONE◀	Subscriber's Line Free (Charge) Subscriber's Line Busy Congestion Subscriber's Line Free (No Charge) Subscriber's Line Free (Call under control) Unallocated Number/Collect Call Blocking Subscriber's Make busy No data

Continued on next page

COMMAND CODE	TITLE:
31	MFC/MF-ANI TRUNK DATA

◀: Default

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
8	01 ~ 15	Received Backward GC signals on DOD MFC call 01-15: Backward Group C1 - C15 **[Mexico Only]**	00 01 03 04 05 09 NONE◀	Send G-I Signal First digit over GA Send G-I Signal Next digit over GA Address complete, change over GB Congestion Send G-III Signal Next digit(N+1) Send G-I Signal Same digit change over GA No data
9	01 ~ 15	Forward signal meaning request of next digit toward sending Collect call signal on DID MFC call 01-15: Forward GII-1 -GII-15	00 14 15◀	Terminating to Attendant Console Collect call Terminating to Station

Continued on next page

COMMAND CODE	TITLE:
31	MFC/MF-ANI TRUNK DATA

◀: Default

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
A	00	Backward signal meaning request of next digit toward sending ANI signal on DOD MFC call	01 ~ 15 NONE◀	Backward GA-1/GC-1 ~ Backward GA-15/GC-15 No data
		NOTE: *ANI function is effective when CM08>1200: 0.*		
	01	Forward signal meaning the end of sending ANI signal on DOD/DID MFC call	01 ~ 15 NONE◀	Forward GI-1/GIII-1 ~ Forward GI-15/GIII-15 No data
	02	Forward signal meaning the end of digit code on DOD/DID MFC call	01 ~ 15 NONE◀	Forward GI-1 ~ Forward GI-15 No data
	03	Forward signal when originating from station, Attendant Console or by Tandem connection on DOD MFC call	01 ~ 15 NONE◀	Forward GII-1 ~ Forward GII-15 Forward GII-1
	04	Forward signal when originating from data station on DOD MFC call	01 ~ 15 NONE◀	Forward GII-1 ~ Forward GII-15 Forward GII-1
		NOTE: *The data station is assigned by CM13 Y=07: 0 (Data station).*		
	14	Number of digits to be deleted from ANI **[North America Only]**	00 01 ~ 10 15◀	No digit deletion Leading 1 digit deletion ~ Leading 10 digits deletion No digit deletion
	16	Sending ACK-WINK signal to DTI on receiving MF signal **[North America Only]**	0 1◀	To send Not sent
		NOTE: *When the signal pattern from T1 network is FGD format, assign the data to "0".* *When the signal pattern from T1 network is ANI format, assign the data "1".*		

Continued on next page

COMMAND CODE	TITLE:
31	MFC/MF-ANI TRUNK DATA

◀: Default

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
A	17	Signal kind of called number sent from T1 network **[North America Only]**	0 1◀	DP DTMF
		NOTE: *When the signal pattern from T1 network is FGD format, assign the data to "1". When the signal pattern from T1 network is ANI format, assign the data "0".*		
	18	Sending of ACK-WINK signal to DTI on receiving DP signal **[North America Only]**	0 1◀	To send Not sent
		NOTE: *When the signal pattern from T-1 network is FGD format, assign the data to "1". When the signal pattern from T-1 network is ANI format, assign "0".*		
	30	Tone level of MFC (Forward Signal/Backward Signal)	01 ~ 90 91 92 ~ 97 NONE◀	-45 dB ~ -0.5 dB 0 dB +0.5 dB ~ +3 dB -7.0 dB (Increment unit: 0.5 dB; Increment unit: 0.5 dB)
		NOTE: *A reset by CM31 Y=A>90: 0 is required after this data setting.*		
	31	Tone Duration (On time) of MFC (Forward Signal/Backward Signal)	01 ~ 98 99 NONE◀	20 ms. ~ 1960 ms. 5100 ms. 100 ms. (Increment unit: 20 ms.)
		NOTE: *A reset by CM31 Y=A>90: 0 is required after this data setting.*		
	32	Tone Duration (Off time) of MFC (Forward Signal/Backward Signal)	01 ~ 98 99 NONE◀	20 ms. ~ 1960 ms. 5100 ms. 100 ms. (Increment unit: 20 ms.)
		NOTE: *A reset by CM31 Y=A>90: 0 is required after this data setting.*		

Continued on next page

COMMAND CODE	TITLE:
31	MFC/MF-ANI TRUNK DATA

◀: Default

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
A	33	Forward signal receiver start delay time	00 ~ 98 99 NONE◀	0 ms. ~ 24.5 ms. 64 ms. 0 ms. Increment unit: 0.25 ms.
		NOTE: *A reset by CM31 Y=A>90: 0 is required after this data setting.*		
	34	Forward signal receiver detect Level	00 01 02 03 04 05 06 NONE◀	Detect Level 0: 0 to -25 dBm Detect Level 1: -5 to -30 dBm Detect Level 2: -10 to -35 dBm Detect Level 3: -15 to -40 dBm Detect Level 4: -20 to -45 dBm Detect Level 5: -25 to -50 dBm Detect Level 6: -30 to -55 dBm Detect Level 0: 0 to -25 dBm
		NOTE: *A reset by CM31 Y=A>90: 0 is required after this data setting.*		
	35	Forward signal receiver minimum Detect Level (for Detect Level 0/1/2/3/4/5/6)	00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 NONE◀	-10/-15/-20/-25/-30/-35/-40 dBm -11/-16/-21/-26/-31/-36/-41 dBm -12/-17/-22/-27/-32/-37/-42 dBm -13/-18/-23/-28/-33/-38/-43 dBm -14/-19/-24/-29/-34/-39/-44 dBm -15/-20/-25/-30/-35/-40/-45 dBm -16/-21/-26/-31/-36/-41/-46 dBm -17/-22/-27/-32/-37/-42/-47 dBm -18/-23/-28/-33/-38/-43/-48 dBm -19/-24/-29/-34/-39/-44/-49 dBm -20/-25/-30/-35/-40/-45/-50 dBm -21/-26/-31/-36/-41/-46/-51 dBm -22/-27/-32/-37/-42/-47/-52 dBm -23/-28/-33/-38/-43/-48/-53 dBm -24/-29/-34/-39/-44/-49/-54 dBm -25/-30/-35/-40/-45/-50/-55 dBm -25/-30/-35/-40/-45/-50/-55 dBm
		NOTE: *A reset by CM31 Y=A>90: 0 is required after this data setting.*		

Continued on next page

COMMAND CODE	TITLE:
31	MFC/MF-ANI TRUNK DATA

◀: Default

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
A	36	Forward signal receiver maximum Detect Level (for Detect Level 0/1/2/3/4/5/6)	00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 NONE◀	0/-5/-10/-15/-20/-25/-30 dBm -1/-6/-11/-16/-21/-26/-31 dBm -2/-7/-12/-17/-22/-27/-32 dBm -3/-8/-13/-18/-23/-28/-33 dBm -4/-9/-14/-19/-24/-29/-34 dBm -5/-10/-15/-20/-25/-30/-35 dBm -6/-11/-16/-21/-26/-31/-36 dBm -7/-12/-17/-22/-27/-32/-37 dBm -8/-13/-18/-23/-28/-33/-38 dBm -9/-14/-19/-24/-29/-34/-39 dBm -10/-15/-20/-25/-30/-35/-40 dBm -11/-16/-21/-26/-31/-36/-41 dBm -12/-17/-22/-27/-32/-37/-42 dBm -13/-18/-23/-28/-33/-38/-43 dBm -14/-19/-24/-29/-34/-39/-44 dBm -15/-20/-25/-30/-35/-40/-45 dBm 0/-5/-10/-15/-20/-25/-30 dBm
		NOTE: *A reset by CM31 Y=A>90: 0 is required after this data setting.*		
	37	Tone Duration (Off time) of MFC (Forward Signal/Backward Signal)	00 ~ 09 NONE◀	1 dB ~ 10 dB 10 dB Increment unit: 1 dB
		NOTE: *A reset by CM31 Y=A>90: 0 is required after this data setting.*		
	38	Forward signal receiver S/N ratio	00 01 02 03 04 NONE◀	0 dB -5 dB -10 dB -15 dB -20 dB -10 dB
		NOTE: *A reset by CM31 Y=A>90: 0 is required after this data setting.*		

Continued on next page

COMMAND CODE	TITLE:
31	MFC/MF-ANI TRUNK DATA

◀: Default

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
A	39	Forward signal receiver ON detect time	01 ~ 98 99 NONE◀	30 ms. ~ 1485 ms. 3840 ms. 30 ms. Increment unit: 15 ms.
		NOTE: *A reset by CM31 Y=A>90: 0 is required after this data setting.*		
	40	Forward signal receiver OFF detect time	01 ~ 98 99 NONE◀	30 ms. ~ 1485 ms. 3840 ms. 30 ms. Increment unit: 15 ms.
		NOTE: *A reset by CM31 Y=A>90: 0 is required after this data setting.*		
	41	Backward signal receiver Start delay time	00 ~ 98 99 NONE◀	0 ms. ~ 24.5 ms. 64 ms. 0 ms. Increment unit: 0.25 ms.
		NOTE: *A reset by CM31 Y=A>90: 0 is required after this data setting.*		
	42	Backward signal receiver Detect Level	00 01 02 03 04 05 06 NONE◀	Detect Level 0: 0 to -25 dBm Detect Level 1: -5 to -30 dBm Detect Level 2: -10 to -35 dBm Detect Level 3: -15 to -40 dBm Detect Level 4: -20 to -45 dBm Detect Level 5: -25 to -50 dBm Detect Level 6: -30 to -55 dBm Detect Level 0: 0 to -25 dBm
		NOTE: *A reset by CM31 Y=A>90: 0 is required after this data setting.*		

Continued on next page

COMMAND CODE	TITLE:
31	MFC/MF-ANI TRUNK DATA

◀: Default

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
A	43	Backward signal receiver Minimum Detect Level (for Detect Level 0/1/2/3/4/5/6)	00	-10/-15/-20/-25/-30/-35/-40 dBm
			01	-11/-16/-21/-26/-31/-36/-41 dBm
			02	-12/-17/-22/-27/-32/-37/-42 dBm
			03	-13/-18/-23/-28/-33/-38/-43 dBm
			04	-14/-19/-24/-29/-34/-39/-44 dBm
			05	-15/-20/-25/-30/-35/-40/-45 dBm
			06	-16/-21/-26/-31/-36/-41/-46 dBm
			07	-17/-22/-27/-32/-37/-42/-47 dBm
			08	-18/-23/-28/-33/-38/-43/-48 dBm
			09	-19/-24/-29/-34/-39/-44/-49 dBm
			10	-20/-25/-30/-35/-40/-45/-50 dBm
			11	-21/-26/-31/-36/-41/-46/-51 dBm
			12	-22/-27/-32/-37/-42/-47/-52 dBm
			13	-23/-28/-33/-38/-43/-48/-53 dBm
			14	-24/-29/-34/-39/-44/-49/-54 dBm
			15	-25/-30/-35/-40/-45/-50/-55 dBm
			NONE◀	-25/-30/-35/-40/-45/-50/-55 dBm
		NOTE: *A reset by CM31 Y=A>90: 0 is required after this data setting.*		
	44	Backward signal receiver Maximum Detect Level (for Detect Level 0/1/2/3/4/5/6)	00	0/-5/-10/-15/-20/-25/-30 dBm
			01	-1/-6/-11/-16/-21/-26/-31 dBm
			02	-2/-7/-12/-17/-22/-27/-32 dBm
			03	-3/-8/-13/-18/-23/-28/-33 dBm
			04	-4/-9/-14/-19/-24/-29/-34 dBm
			05	-5/-10/-15/-20/-25/-30/-35 dBm
			06	-6/-11/-16/-21/-26/-31/-36 dBm
			07	-7/-12/-17/-22/-27/-32/-37 dBm
			08	-8/-13/-18/-23/-28/-33/-38 dBm
			09	-9/-14/-19/-24/-29/-34/-39 dBm
			10	-10/-15/-20/-25/-30/-35/-40 dBm
			11	-11/-16/-21/-26/-31/-36/-41 dBm
			12	-12/-17/-22/-27/-32/-37/-42 dBm
			13	-13/-18/-23/-28/-33/-38/-43 dBm
			14	-14/-19/-24/-29/-34/-39/-44 dBm
			15	-15/-20/-25/-30/-35/-40/-45 dBm
			NONE◀	0/-5/-10/-15/-20/-25/-30 dBm
		NOTE: *A reset by CM31 Y=A>90: 0 is required after this data setting.*		

Continued on next page

COMMAND CODE	TITLE:
31	MFC/MF-ANI TRUNK DATA

◀: Default

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
A	45	Backward signal receiver twist Level	00 ~ 09 NONE◀	1 dB ~ 10 dB 10 dB Increment unit: 1 dB
		NOTE: *A reset by CM31 Y=A>90: 0 is required after this data setting.*		
	46	Backward signal receiver S/N ratio	00 01 02 03 04 NONE◀	0 dB -5 dB -10 dB -15 dB -20 dB -10 dB
		NOTE: *A reset by CM31 Y=A>90: 0 is required after this data setting.*		
	47	Backward signal receiver ON detect time	01 ~ 98 99 NONE◀	30 ms. ~ 1485 ms. 3840 ms. 30 ms. Increment unit: 15 ms.
		NOTE: *A reset by CM31 Y=A>90: 0 is required after this data setting.*		
	48	Backward signal receiver OFF detect time	01 ~ 98 99 NONE◀	30 ms. ~ 1485 ms. 3840 ms. 30 ms. Increment unit: 15 ms.
		NOTE: *A reset by CM31 Y=A>90: 0 is required after this data setting.*		
	49	Number of received digits of called number from PSTN	01 ~ 31 NONE◀	1 digit ~ 31 digits 31 digits Increment unit: 1 digit
		NOTE: *A reset by CM31 Y=A>90: 0 is required after this data setting.*		

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COMMAND CODE	TITLE:
31	MFC/MF-ANI TRUNK DATA

◀: Default

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
A	50	Number of received digits of ANI signal from PSTN	01 ~ 31 NONE◀	1 digit ~ 31 digits] Increment unit: 1 digit 16 digits
	51	Forward signal meaning no ANI signal on DOD/DID MFC call	01 ~ 15 NONE◀	Forward GI-1 ~ Forward GI-15 No data
	90	MFC Signaling Data Soft Reset	0 1◀	To reset Already reset
		NOTE: *Reset MFC Signaling Data after confirming all the MFC-trunk are not used.*		

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COMMAND CODE	TITLE:
31	MFC/MF-ANI TRUNK DATA

◀: Default

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
C	00	Send first digit	00	Backward Group A1
	01	Send next digit (N+1)	~	~
	02	Send last but one digit (n-1)	15	Backward Group A15
	03	Address complete, change over GB	NONE◀	No data
	04	Congestion		
	05	Send calling party's category No./next digit		
	06	Address complete, setup speech condition		
	07	Send last but two digit (n-2)		
	08	Send last but three digit (n-3)		
	09	Send last digit		
	10	Send calling party's category No. **[Venezuela Only]**		

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COMMAND CODE	TITLE:
31	MFC/MF-ANI TRUNK DATA

◀: Default

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
D	01	Subscriber's Line Free (Charge)	01	Backward Group B1
	02	Subscriber's Line Busy	≀	≀
	04	Congestion	15	Backward Group B15
	05	Subscriber's Line Free (No Charge)	NONE◀	No data
	06	Subscriber's Line Free (Call under control)		
	07	Unallocated Number/Collect Call Blocking		
	08	Subscriber's Make busy		

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COMMAND CODE	TITLE:
31	MFC/MF-ANI TRUNK DATA

◀: Default

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
E	00	Send G-I Signal First digit over GA **[Mexico Only]**	01 ~ 15 NONE◀	Backward Group C1 ~ Backward Group C15 No data
	01	Send G-I Signal Next digit over GA **[Mexico Only]**		
	03	Address complete, change over GB **[Mexico Only]**		
	04	Congestion **[Mexico Only]**		
	05	Send G-III Signal Next digit (N+1) **[Mexico Only]**		
	09	Send G-I Signal Same digit change over GA **[Mexico Only]**		

COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

FUNCTION:

This command is used to assign trunk route characteristics. A trunk route is a group of trunks with common characteristics used for a common purpose.

PRECAUTION:

(1) When assigning a Tie line, the data in CM35 Y=009 (Incoming connection signaling) should be similar to that of CM35 Y=020 (Sender starting condition).
The table below shows the assignment of the sender starting condition in relation to the incoming connection signaling.

INCOMING CONNECTION SIGNALING (CM35 Y=009)	SENDER START CONDITION (CM35 Y=020)	REMARKS
Ground Start (01)	Ground Start (02)	
Loop Start (15)	Loop Start (15)	
Wink Start (03)	Wink Start (00)	
Delay Dial (04)	Delay Dial (01)	
Immediate (05)	Timing Start (15)	
2nd DT/Timing (06)	Timing Start (15)	

NOTE: *( ) indicates the data to be assigned.*

COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

(2) The Commands of CM35 requiring blade reset after the data setting are as follows.

×: Blade reset is required –: Blade reset is not required *: The data is not effective

Y No.	BLADE TYPE					
	COT	ODT	LDT	DTI	BRT	PRT
001	×	×	×	×	–	–
009	–	×	×	×	–	–
020	–	×	×	×	–	–
023	×	–	–	–	–	–
025	×	–	–	–	–	–
037 NOTE 1	×	*	*	*	*	*
079	*	*	*	*	×	*
089	*	*	*	×	*	*
104	*	×	*	*	*	*
105	*	×	*	*	*	*
113	–	–	–	–	×	×
129 NOTE 2	×	*	*	*	*	*
144	*	*	*	*	×	*
291	×	×	×	*	*	*
299	×	*	*	*	*	*
357	×	–	–	–	–	–
369	×	*	*	×	×	×

NOTE 1: *For CM35 Y=037, Blade Rest is required when this command is used for Caller ID DTMF.*

NOTE 2: *For CM35 Y=129, Blade Reset is required when the second data is set to 4 (Caller ID DTMF).*

COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

ASSIGNMENT PROCEDURE:

ST + 35YYY + DE + TRUNK ROUTE (00-63) + DE + DATA (1-8 digits) + EXE

DATA TABLE:

Y=000-098

◀: Default

Y		SETTING DATA			RELATED COMMAND
No.	MEANING	DATA	MEANING		
000	Kind of Trunk Route	00	DDD (C.O., DID, ISDN, SIP) trunk		
		01	FX trunk **[North America Only]**		
		02	WATS trunk **[North America Only]**		
		03	CCSA trunk **[North America Only]**		
		04	TIE (Tie line) trunk		
		05	Paging Trunk		
		15◀	Not used		
	NOTE 1: *For a SIP Trunk route class specification, set the setting data 00 when using a point-to-point connection with the SIP carrier, and set the setting data 04 when using a point-to-multipoint connection as a SIP-dedicated line.*				
	NOTE 2: *For Loop Start Signaling (available for 9300V5 software or later), set the second data to "00".*				
001	Dialing signal type		[Incoming]	[Outgoing]	
	BLADE RESET	2	DP 10 PPS	DP 10 PPS	
	See PRECAUTION (2)	3	DP 10/20 PPS	DP 20 PPS	
		4	DTMF	DTMF	
		7◀	DP/DTMF	DTMF	
002	Call direction	1	Incoming trunk		
		2	Outgoing trunk		
		3◀	Bothway trunk		

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COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
003	Trunk name number	00-14 15◀ 16-63	Trunk name 00-14 Kind of trunk route assigned by CM35 Y=000 is displayed Trunk name 16-63	CM77 Y=2, 3
	Local Office Code table number used for tandem connection (for MFC Signaling on DOD/Enhanced 911)	00-14 15◀	Local Office Code table No. 00-14 Not send calling number	CM50 Y=05
004	Answer signal from distant office for outgoing connection	0 1 2 3 7◀	Answer signal arrives (12 kHz, 50 Hz Metering signal) (C.O. line) Battery Reversal (C.O. line) Answer signal arrives (Tie line/ISDN/CCIS/SIP) No answer signal arrives (Polarity Reversal is ignored and answer timing shall be set by CM41Y=0>03) No answer signal arrives (Tie line/No metered C.O. line, Answer timing shall be set by CM41 Y=0>03)	CM41 Y=0
005	Release signal from distant office for outgoing connection or incoming connection	0 1◀	No release signal arrives (Ground Start/Loop Start C.O. line without Release signal) Release signal arrives (Tie line/Ground Start/Loop Start with Release signal/DID/ISDN/SIP)	
008	Sending dial pulse on outgoing call	1 2 3◀	No dial pulses are sent out (Speaker Paging) Dial pulses are sent out: For test (Release the resister/sender when the calling station is on-hook) Dial pulses are sent out (C.O. line/Tie line/ Radio Paging)	

Continued on next page

COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
009	Incoming connection signaling BLADE RESET ☞ See PRECAUTION (2)	01 03 04 05 06 08 15◀	Ring Down (Ground Start C.O. line) Wink Start/CCIS/SIP **NOTE1, NOTE2** Delay Dial **NOTE1** Immediate Start 2nd DT/Timing Start-Tie line ISDN Ring Down (Loop Start C.O. line)	CM35 Y=020
	NOTE 1: *DTI (E1) does not support "Wink Start" and "Delay Dial".* **NOTE 2:** *For a SIP Trunk incoming connection signaling type specification, be sure to set this data to 03 (Wink Start/CCIS/SIP).*			
010	2nd DT sending on call termination	0 1◀	Not sent (DID, etc.) To send	010
011	Toll Restriction	0 3◀	To provide Not provided	CM81, CM8A CM85 CM35 Y=076
012	Number of digits to be received on DID for Development Table 0	0 1 2 3◀	1 digit 2 digits 3 digits 4 digits	CM76 CM35 Y=018 CM35 Y=170

Continued on next page

COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA			RELATED COMMAND
No.	MEANING	DATA	MEANING		
013	Maximum number of sending digits allowed on outgoing connection For C.O. trunks, data assignment is not required.	NONE◀	Ordinary TRK Determined by CM35 Y=076 **NOTE 1**	Radio Paging TRK 2 digit + STN **NOTE 2**	CM30 Y=28 CM35 Y=076
		000	–	Only dialed No. is sent	
		001	1 digit	1 digit + STN	
		002	2 digits	2 digits + STN	
		003	3 digits	3 digits + STN	
		004	4 digits	4 digits + STN	
		005	5 digits	2 digits + STN	
		≀	≀		
		254	254 digits		
			NOTE 1: *When CM35 Y=076 is set to 15, this data setting is not required (release the sender by time out or by answer signal from the called distant office). When CM35 Y=076 is set to 00-04, specify the dialed digits which is assigned by CM85.* **NOTE 2:** *STN means the calling party's station number, and this number is sent automatically by CM30 Y=28: x6.*		
014	SMDR/Centralized-Billing-CCIS for outgoing call	0	Not provided		
		1◀	To provide		

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COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
015	Kind of call termination indicator key/lamp on Attendant Console Call termination indicator lamps further categorized by the kind of calls (e.g.C.O incoming call or Tie line incoming call).	00 ~ 07 10 ~ 17 20 ~ 27 30 ~ 37 40 ~ 47 75 NONE◀	C.O. Incoming Call 0 (Standard "LDN" key) ~ C.O. Incoming Call 7 FX Incoming Call 0 (Standard "FX" key) **[North America Only]** ~ FX Incoming Call 7 WATS Incoming Call 0 (Standard "WATS" key) **[North America Only]** ~ WATS Incoming Call 7 CCSA Incoming Call 0 (Standard "CCSA" key) **[North America Only]** ~ CCSA Incoming Call 7 Tie Line Incoming Call 0 (Standard "TIE" key) ~ Tie Line Incoming Call 7 Call Termination via No. 7 CCIS No data	CM90 CM50
	NOTE 1: *When the standard LED indications are utilized, set the standard data.* **NOTE 2:** *Set the correspondence between the key positions on Attendant Console and this assignment data by CM90.*			
016	Sending of Hook Flash to outside	0 1◀	Not sending Sending	CM90 Y=00: F1009

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COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
017	Digit addition and deletion on a Tie line incoming call **NOTE:** *On an incoming call from a Tie line, if the number of digits arriving from the distant office does not coincide with the number, the number of digits is to be adjusted by this data assignment.*	00 01 02 03 04 05 06 07 08 09 10 11 12 15◀	"0" add "1" add "2" add "3" add "4" add "5" add "6" add "7" add "8" add "9" add 2-digits addition (CM50 Y=00>0) 1 digit deletion 2 digits deletion Addition/deletion is not performed.	CM50 Y=00
018	Digit conversion on DID call	0 1◀	To provide Not provided	CM35 Y=171 CM76
	NOTE: *When this data is set to "1", digit conversion by CM76 is provided to the number of digits to be converted on DID number set by CM35 Y=171.*			
020	Sender start condition BLADE RESET ☞ See PRECAUTION (2)	00 01 02 15◀	Wink Start/CCIS/SIP **NOTE1, NOTE2** Delay Dial **NOTE1** Ground Start Timing Start (Prepause per CM35 Y=021)	CM35 Y=009
	NOTE 1: *DTI (E1) does not support "Wink Start" and "Delay Dial".* **NOTE 2:** *For a SIP Trunk sender start condition specification, be sure to set this data to 00 (Wink Start/CCIS/SIP).*			

Continued on next page

COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
021	Sender prepause timing	00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15◀	0 second 0.5 seconds 1.0 second 1.5 seconds 2.0 seconds 2.5 seconds 4.0 seconds 5.0 seconds 6.0 seconds 7.0 seconds 8.0 seconds 9.0 seconds 10.0 seconds 11.0 seconds 12.0 seconds 3.0 seconds	CM08>193, 194, 331
022	Automatic live recording	0 1◀	Start automatically Not available **NOTE:** *When this feature is activated, be sure to assign CM08>141, CM13 Y=23, and/or CM76 Y=13*	CM08>141 CM13 Y=23 CM76 Y=13
023	DP Inter-digital pause BLADE RESET ☞ See PRECAUTION (2)	0 1 2 3 4 5 6 7◀	300 ms. 400 ms. 500 ms. 600 ms. 700 ms. 900 ms. 1100 ms. 800 ms.	

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COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
024	DTMF Inter-digital pause	0 1 2 3 4 5 6 7◀	32 ms. 64 ms. 80 ms. 96 ms. 160 ms. 192 ms. 240 ms. 128 ms.	
025	DP Make Ratio BLADE RESET ☞ See PRECAUTION (2)	0 1◀	39 % Make Ratio 33 % Make Ratio	
	NOTE: *This command is available for LDT/ODT.*			
026	DTMF signal width	0 1◀	64 ms. 128 ms.	
028	Outgoing Trunk Queuing	0 1◀	Not allowed Allow	CM15 Y=002
032	Color of Call Indicator Lamp on Multiline Terminal during external incoming call termination	0 1◀	Green (120 IPM) Red (120 IPM)	CM08>137
	NOTE: *The color of Call Indicator Lamp for an internal incoming call is red (120 IPM flashing). For indicating the termination of transferred external incoming call, the flashing lamp color depends on CM08>137.*			

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COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
033	Interval of Multiline Terminal ringing signal to station on incoming calls **[Other than North America]**	0 1 2 3◀	Ringing **NOTE** Special Ringing Internal Ringing External Ringing See CM08>397	CM08>397
	NOTE: *For Multiline Terminal, Special Ringing; 0.5 seconds ON-0.5 seconds OFF* ***[For Australia/Asia/Africa/Europe/Latin America/Middle East/Russia]*** *or 0.25 seconds ON-0.25 seconds OFF-0.25 seconds ON-0.25 seconds OFF* ***[For EMEA]*** *is applied.*			
	Interval of Multiline Terminal ringing signal to station on incoming calls **[North America Only]**	0 1 2 3◀	0.4 seconds ON-0.2 seconds OFF-0.4 seconds ON-2 seconds OFF 0.4 seconds ON-0.2 seconds OFF-0.4 seconds ON-2 seconds OFF 1 second ON-2 seconds OFF 2 seconds ON-4 seconds OFF	
	NOTE: *For incoming calls to Trunk Line Appearance key on Multiline Terminal, the special ringing; 0.2 seconds ON-0.2 seconds OFF will be applied.*			
	Interval of Single Line Telephone ringing signal to station on incoming calls	0 1 2 3◀	As per CM04 Y=00>05 As per CM04 Y=00>07 As per CM04 Y=00>05 As per CM04 Y=00>06	CM04 Y=00>05-07

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COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
034	Multiline Terminal Ringer Tone Pattern on incoming calls	0 1 2 3◀	See below	CM08>390 CM15 Y=083, 084 CM64 Y=20-27 CM65 Y=40
	Multiline Terminal ringer tone pattern is assigned by the following combination of CM35 Y=034 and 164.			

◀: Default

Y=34	Y=164: 0	Y=164: 1◀
0	Ringer Tone Pattern 3	Ringer Tone Pattern 0
1	Ringer Tone Pattern 6	Ringer Tone Pattern 1
2	Ringer Tone Pattern 5	Ringer Tone Pattern 2
3◀	Ringer Tone Pattern 4	Ringer Tone Pattern 7

NOTE 1: *This command is valid only for Multiline Terminal (invalid for Single Line Telephone).*
NOTE 2: *For the Ringer Tone Pattern, see CM64 Y=20-27 or CM65 Y=40.*

036	Trunk seizure facility	0 1◀	After dialing maximum number of digits After completing dialed digits entered in CM8A Y=4005-4007	CM8A Y=4005-4007
037	MF Signaling/Caller ID/ MFC Signaling on DID ☞ See PRECAUTION (2)	0 1◀	Available Not available	
	NOTE: *Blade Rest is required when this command is used for Caller ID DTMF.*			
038	MFC Signaling on DOD/ Enhanced 911	0 1◀	Available Not available	
039	Trunk release by detecting reversal of tip and ring on outgoing C.O. call	0 1◀	Not released To release	
040	Abbreviated Codes for routing to C.O. line when all tie lines are busy	00 ~ 99 NONE◀	Abbreviated Codes assigned by CM71>66 No data	CM71>66 CM72

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COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
044	Trunk access code sent to SMDR for outgoing call/ Trunk Access Code for Trunk-Direct Appearance Multiline Operation	0 00 ~ or ~ 9 99 NONE◀	When a trunk is seized by a Trunk Appearance key or LCR, one or two-digit code (00-99) is sent out to the SMDR. No data	CM35 Y=189
	NOTE: *When both CM35 Y=044 and CM35 Y=189 are set to the same trunk route, the setting of CM35 Y=189 is effective.*			
046	DP/DTMF sender release timing	0 1 2 3 4 5 6 7◀	2 seconds 4 seconds 6 seconds 8 seconds 12 seconds 14 seconds 16 seconds 10 seconds	
048	Sending Busy/Idle information to network **[North America Only]**	0 1◀	Not available Available	
	Backward signal when address is completed on DID	0 1◀	Set up speech condition without waiting FW GII Waiting FW GII	
	NOTE: *For Brazil, this data must be set to 1.*			
049	SMDR for incoming call	0 1◀	To provide Not provided	CM13 Y=05
051	Restriction of outgoing connection (Unrestricted) (RCA)	0 1◀	Restricted Allow	CM12 Y=01 CM35 Y=097
052	Restriction of outgoing connection (Non-Restricted-1) (RCB)	0 1◀	Restricted Allow	
053	Restriction of outgoing connection (Non-Restricted-2) (RCC)	0 1◀	Restricted Allow	

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COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
054	Restriction of outgoing connection (Semi-Restricted-1) (RCD)	0 1◀	Restricted Allow	CM12 Y=01 CM35 Y=097
055	Restriction of outgoing connection (Semi-Restricted-2) (RCE)	0 1◀	Restricted Allow	
056	Restriction of outgoing connection (Restricted-1) (RCF)	0 1◀	Restricted Allow	
057	Restriction of outgoing connection (Restricted-2) (RCG)	0 1◀	Restricted Allow	
058	Restriction of outgoing connection (Fully-Restricted) (RCH)	0 1◀	Restricted Allow	
059	Call Waiting for DID call	0 1◀	Allow Restricted	CM08>367
060	Priority Queuing	0 1◀	Allow Restricted	
061	Restriction of incoming connection to station (Unrestricted) (RCA)	0 1◀	Restricted Allow	CM12 Y=01
062	Restriction of incoming connection to station (Non-Restricted-1) (RCB)	0 1◀	Restricted Allow	
063	Restriction of incoming connection to station (Non-Restricted-2) (RCC)	0 1◀	Restricted Allow	
064	Restriction of incoming connection to station (Semi-Restricted-1) (RCD)	0 1◀	Restricted Allow	

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COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
065	Restriction of incoming connection to station (Semi-Restricted-2) (RCE)	0 1◀	Restricted Allow	CM12 Y=01
066	Restriction of incoming connection to station (Restricted-1) (RCF)	0 1◀	Restricted Allow	
067	Restriction of incoming connection to station (Restricted-2) (RCG)	0 1◀	Restricted Allow	
068	Restriction of incoming connection to station (Fully-Restricted) (RCH)	0 1◀	Restricted Allow	
069	Announcement service group 0	0 1◀	Restricted Allow	CM20 Y=0-3: A103-A109 CM49 Y=00: 04XX CM15 Y=034-039
070	Announcement service group 1	0 1◀	Restricted Allow	
071	Announcement service group 2	0 1◀	Restricted Allow	
072	Announcement service group 3	0 1◀	Restricted Allow	
073	Announcement service group 4	0 1◀	Restricted Allow	
074	Attendant Delay Announcement	0 1◀	Allow Restricted	CM08>067 CM35 Y=173 CM49 Y=00, 0A
075	DID incoming LDN display on Multiline Terminal/ DESKCON	0 1◀	Available Not available (Trunk ID code assigned by CM30 Y=19 is displayed.) **NOTE 1:** *Up to 4 digits LDN is available.* **NOTE 2:** *The DID incoming LDN is displayed irrespective of any digit conversion by CM76.*	CM30 Y=19

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COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
076	Designation of Area Code Development Pattern No. for Toll Restriction Analysis, and Maximum Digit Analysis.	00 ~ 07 15◀	Area Code Development Pattern No. 0 ~ Area Code Development Pattern No. 7 Not used	CM8A Y=4000-4007 CM85 Y=0-7
078	Number of digits to be converted on DID for Development Table 0	0 1◀	Leading 2-4 digits All digits of DID number are converted by CM76	CM35 Y=012, 018 CM76
079	Terminal connection form for ISDN Basic Rate Interface BLADE RESET ☞ See PRECAUTION (2)	0 1◀	Point-to-Point Point-to-Multipoint **NOTE:** *Set 0 for BRT blade.*	
083	Trunk seizure sequence for an outgoing call	0 1◀	As per CM08>078 By allotter	CM08>078 CMA7 Y=64
	NOTE: *This command is not available for SIP Trunks.*			
086	Centrex trunk	0 1◀	To provide Not provided	
087	Distinctive Ringing by detecting the ringing signal from main PBX or Centrex	0 1◀	To provide Not provided **NOTE 1:** *When this function is utilized, be sure to set Trunk Line Appearance as the terminating method (set by CM30 Y=02, 03: 02).* **NOTE 2:** *Tone Ringer is selected by CM35 Y=034, lamp control is set by CM35 Y=032 respectively.*	CM30 Y=02, 03 CM30 Y=18

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COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
089	Cyclic Redundancy checking for DTI trunk BLADE RESET ☞ See PRECAUTION (2)	0 1◀	To provide Not provided	
	NOTE: *This command is not effective when the DTI (E1 2 Mbps) is used (CM05 Y=0: 47). In that case, set CMAA Y=01.*			
090	Special facilities	0 2 3 5 7◀	No. 7 CCIS, SIP trunk ISDN-Basic Rate Interface ISDN-Primary Rate Interface Q-SIG (ETS300 172) Not used	CM30 Y=35
091	Common Channel Handler (CCH) number used for No. 7 CCIS/SIP	00 ~ 63 NONE◀	CCH00 ~ CCH63 No data	CM30 Y=35 CMA7 CMA8
	NOTE 1: *IPT (P2P CCIS) must be on CCH00.* **NOTE 2:** *Do not set the same SIP trunk number for each carrier each other, when Multi-Carrier Connection service is used.*			
093	D Channel Handler (DCH) number used for ISDN Primary Rate Interface	00 ~ 31 NONE◀	DCH00 ~ DCH31 No data	
097	Route class data on CCIS Route to Route Restriction	XZ NONE◀	X: Day Trunk Restriction class Z: Night Trunk Restriction class Setting data is the same as CM12 Y=01. No data	CM12 Y=01 CM35 Y=051-058
098	Designated seizure of trunks for Private Lines	0 1◀	Allow Restricted	CM12 Y=16 CM42>08

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COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

Y=100-197

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	**MEANING**	**DATA**	**MEANING**	
100	Kind of CCIS Trunk	11 NONE◀	CCIS Trunk (T1) No data	
	NOTE: *When changing the data with online, the data is valid after the trunk blade is unplugged and plugged in.*			
101	Call still Hold **[Australia Only]**	0 1◀	Available Not available	
102	Reversal on Idle **[Australia Only]**	0 1◀	Available Not available	
103	Auto Polarity Collection **[Australia Only]**	0 1◀	Available Not available	
104	Polarity of 2-wire E&M/ 4-wire E&M trunk (ODT) BLADE RESET ☞ See PRECAUTION (2)	1 3◀	E wire / M wire Open / Open / Signaling (Type I) Ground / Ground / Signaling (Type V)	
105	Purpose of 2-wire E&M/ 4-wire E&M trunk (ODT) BLADE RESET ☞ See PRECAUTION (2)	0 1◀	2-wire E&M Trunk 4-wire E&M Trunk	
106	Malicious Call Trace **[Australia Only]**	0 1◀	Not provided To provide	CM15 Y=211 CM20 Y=0-3: A170 CM90 Y=00: F0A70 CM90 Y=00: F6120
113	LAPD Mode of D channel route for Q-SIG BLADE RESET ☞ See PRECAUTION (2)	0 1◀	Network Mode User Mode	

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COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
115	Collect Call Blocking (Send double answer on incoming calls) **[Brazil Only]**	0 1◀	Available Not available	
119	Forced release for tandem connection for incoming trunk	0 1◀	Available Not available	CM08>029 CM41 Y=0>54
129	Sending method of calling number from/to network	0 1 3 4 7◀	CALLER ID (CLASS SM) T1-ANI **[North America only]** Enhanced 911 **[North America only]** CALLER ID (DTMF) BLADE RESET See PRECAUTION (2) MFC-R2	
130	Sending of expanded information on Low Layer Compatibility (LLC) information element	0 1◀	Allow Restricted	CM08>722 CMAC Y=11
133	Indication of reason why the calling number is not informed from network	0 1◀	To indicate Not indicated	
134	TOS field Precedence for SIP trunk voice packet TOS: Type of Service	00 ~ 07 15◀	PRECEDENCE 0 ~ PRECEDENCE 7 PRECEDENCE 0	CM35 Y=161

NOTE 1: *The higher number has higher priority.*
NOTE 2: *This data is recommended to be set to "5". Consult with a network manager when changing this data.*
NOTE 3: *This data setting is ineffective when CM35 Y=161 is set to provide DiffServ Qos.*
NOTE 4: *Assigning this command enables a router to recognize the precedence with WFQ (Weighed Fair Queuing) and to control voice packets according to the precedence.*
NOTE 5: *This command assigns QoS for packets that are sent from a unit which accommodates a SIP trunk to another device to which the SIP trunk is connected.*

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COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
138	Sending of received ANI information from network to VMS with MCI	0 1◀	To send Not sent	
144	ISDN-BRI Layer 1 activation BLADE RESET ☞ See PRECAUTION (2)	0 1◀	Activated by call event Always activated	
145	Calling party information transfer to ISDN on tandem call from CCIS/SIP	0 1◀	To provide Not provided	
	Calling party information transfer to Enhanced 911/ MFC Signaling on DOD route on tandem call from CCIS	0 1◀	To provide Not provided	
147	Kind of Call Forwarding-No Answer key assigned to DESKCON	0 1◀	Call Forwarding-No Answer key assigned by CM90 Y=00: F6068 Call Forwarding-No Answer key assigned by CM90 Y=00: F6063	CM90
148	System operation when the station, after holding the other trunk (TRUNK-A), has made a switch hook flash while talking with another trunk (TRUNK-B)	0 1◀	Broker's Call TRUNK-B is held, and station returns to the connection with TRUNK-A. Three-way Calling	CM08>103, 104
150	Storage of the call history (IC) when answering a trunk call/handling of unanswered a trunk call	0 1◀	To store Not stored	

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COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
155	Calling party number is used as the ID Code for Remote Access to System (DISA)	0 1◀	Available Not available	CM2A Y=15, A0
	NOTE 1: *Set this command when abbreviating the ID Code input.* **NOTE 2:** *Set this command for a Ring Down connection.*			
158	In trunk tandem connection, release of outgoing trunk when receiving the ISDN DISCONNECT message with Progress Description= 08 (effective for an outgoing call to ISDN)	0 1◀	To release Not released	
	NOTE 1: *Originating trunks also include the trunks other than ISDN.* **NOTE 2:** *This command is used to release the originating trunk without hearing the announcement/audible tone at a call disconnection from the incoming trunk.* **NOTE 3:** *When sending the in-band tone to the calling station from ISDN, set the second data to 1. In this case, the ISDN trunk will be released automatically in 30 seconds after the calling station receives the in-band tone or when the calling station goes on-hook.*			
161	DS code point (DiffServ code point) for SIP trunk voice packet	00-3F NONE◀	DS code point No data	CM35 Y=134 CM41 Y=2>38
	NOTE 1: *Set this data when the router provides DiffServ QoS, if required. DiffServ: Differentiated Services; one type of QoS. QoS: Quality of Service* **NOTE 2:** *For a setting value for this command, consult with a network manager. If no specific instruction is given from the manager, do not assign any data to this command.* **NOTE 3:** *When this data is set, the TOS field Precedence set by CM35 Y=134 is ineffective. If you want to validate the Precedence set by CM35 Y=134, set "CCC" (data clear) for CM35 Y=161.* **NOTE 4:** *This data setting is required only for Point-to-Multipoint connection.* **NOTE 5:** *Assigning this command enables a router to recognize the precedence with Diffserv (Differentiated Service) and to control voice packets according to the precedence.* **NOTE 6:** *This command assigns QoS for packets that are sent from a unit which accommodates a SIP trunk to another device to which the SIP trunk is connected.*			

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COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
164	Multiline Terminal Ringer Tone Pattern on incoming calls	0 1◀	See below	CM35 Y=034 CM64 Y=20-27
	Multiline Terminal ringer tone pattern is assigned by the following combination of CM35 Y=034 and 164.			

◀: Default

Y=34	Y=164: 0	Y=164: 1◀
0	Ringer Tone Pattern 3	Ringer Tone Pattern 0
1	Ringer Tone Pattern 6	Ringer Tone Pattern 1
2	Ringer Tone Pattern 5	Ringer Tone Pattern 2
3◀	Ringer Tone Pattern 4	Ringer Tone Pattern 7

NOTE 1: *This command is valid only for Multiline Terminal (invalid for Single Line Telephone).*
NOTE 2: *For the Ringer Tone Pattern, see CM64 Y=20-27 or CM65 Y=40.*

169	Sending Switch Hook Flash for Adjunct Analog System	0 1◀	To send Not sent	
170	DID Development Table	0 3◀	Development Table 1 Development Table 0	CM76 Y=00, 90 CM35 Y=171
	NOTE: *For SIP trunk, this data is available only for the Development Table 1.*			
171	Number of digits to be converted on DID for Development Table 1	01-08 15◀	1-8 digits 4 digits	CM35 Y=170 CM76 Y=90

NOTE 1: *The number of digits set by this command on DID incoming number is converted by CM76 Y=90. DID number conversion is started from the last digit of the received number.*
(ex.) Received number is 050-1234-5678
- When 2nd data is set to NONE, 5678 is developed by CM76.
- When 2nd data is set to 08, 12345678 is developed.
NOTE 2: *This data is effective when CM35 Y=18 and CM35 Y=170 is set to 0.*
NOTE 3: *When DID number is displayed on LCD of Multiline Terminal or Attendant Console, only the last 4 digits are displayed.*

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COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
172	Number of digits to be received for Development Table 1	01-14 15◀	1-14 digits 4 digits	CM35 Y=170 CM76 Y=90
173	Call Forwarding-All Calls on Attendant Overflow	0 1◀	Available Not available	CM08>067 CM35 Y=074 CM41 Y=0>01 CM51 Y=31
174	CID Call Routing for non-DID on ISDN, Caller ID	0 1 2 3◀	To provide (Using Development Pattern 0) To provide (Using Development Pattern 1) To provide (Using Development Pattern 2) Not provided	CM2A Y=50-52
186	Alternate Routing for IPT (P2P CCIS)/SIP	0 1◀	To provide Not provided	CM8A CM35 Y=192
189	Trunk access code for Trunk-Direct Appearances Multiline Operation/Addition of Trunk Access Code for redialing by Missed Call	X ~ XX NONE◀	Trunk Access Code to be added X: 0-9, A (*), B (#) No data	CM35 Y=044
	NOTE 1: *When this command is not assigned, the trunk access code assigned by CM35 Y=044 is added (only for Multiline Terminals).* **NOTE 2:** *The trunk access code assigned by this command is also used for the following services.* - *Voice Mail transfer* - *Live recording* - *Call origination by ISDN trunk key* - *Call termination to a Caller ID station* - *Call termination to a Standard SIP Terminal* - *Call Back to Mobile Phone*			
192	Tandem calls to CCT/IPT (P2P CCIS)/SIP trunk with Alternate Routing for a fault occurrence	0 1◀	To provide Not provided	CM35 Y=186
	NOTE: *Set this command for an incoming trunk route.*			

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COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
193	Characteristic level	06 ~ 09 NONE◀	Characteristic level No data	CM0B Y=300-350
	NOTE: *Do not change this data when the system is operated normally.*			
196	Q-SIG Facility	00 15◀	Q-SIG No data	CM35 Y=90: 0
	NOTE: *This command is effective when CM35 Y=90: 0 (No. 7 CCIS).*			
197	Object ID assignment of Q-SIG Facility Information Element	0 1◀	Global Local	

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COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

Y=200-299

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
200	ISDN trunk tone sending	0 1◀	To send Not sent	
201	Indication when a trunk is set to the Line Key of Multi-line Terminal (Self-Labeling)	0 1 3◀	Trunk Route Name (4 characters) Trunk Route No. (2 digits) + Trunk No. (4 digits) Trunk Route Name (4 characters) + Trunk No. (4 digits)	
202	Area Code Development Pattern number for ETSI ISDN/Q-SIG Overlap Receiving **[For EMEA]**	00 ~ 07 15◀	Area Code Development Pattern No. 0 ~ Area Code Development Pattern No. 7 Not used	CM85 CM08>626, 627 CM35 Y=203
203	ETSI ISDN/Q-SIG Overlap Receiving **[For EMEA]**	0 1◀	To provide Not provided	CM08>026, 027 CM35 Y=202
205	Whether to send SMDR output of abandoned incoming call to the trunk route.	0 1◀	To send Not sent	
206	ISDN/Q-SIG call origination procedure **[For EMEA]**	0 1◀	En-bloc call origination and overlap call origination En-bloc call origination only	
207	Number of division digits for ETSI ISDN/Q-SIG Overlap Sending **[For EMEA]**	00 ~ 31 63◀	0 digit ~ 31 digits No data	

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COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
208	In ISDN trunk tandem connection, release of incoming trunk when receiving the ISDN DISCONNECT message with Progress Description=08 (effective for an incoming call from ISDN)	0 1◀	Not released To release	
	NOTE 1: *Incoming trunks also include the trunks other than ISDN.* **NOTE 2:** *This command is used to release the incoming trunk without hearing the announcement/audible tone at a call disconnection from the originating trunk.* **NOTE 3:** *When sending the in-band tone to the called station from ISDN, set the second data to 0. In this case, the ISDN trunk will be released automatically in 30 seconds after the called station receives the in-band tone or when the called station goes on-hook.*			
220	ETSI ISDN Connected Line Identification Presentation (COLP) for a call terminating office **[For EMEA]**	0 1◀	To provide Not provided	CM15 Y=153, 154 CM35 Y=221 CM08>629
	NOTE: *When providing ETSI ISDN COLP, assign the connected line number for COLP as follows.* *Connected line number: Local office code (CM50 Y=05) + ISDN Subscriber Number (CM12 Y=12)*			
221	Receiving connected line number from call terminating office in ETSI ISDN Connected Line Identification Presentation (COLP) for a call originating office **[For EMEA]**	0 1◀	Available Not available	CM15 Y=153, 154 CM35 Y=220 CM08>629
222	International Prefix Code for ETSI ISDN Addressing **[For EMEA]**	X ~ XXXX NONE◀	Prefix Code X: 0-9, A (*), B (#) No data	

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COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
223	National Prefix Code for ETSI ISDN Addressing **[For EMEA]**	X ~ XXXX NONE◀	National Prefix Code X: 0-9, A (*), B (#) No data	
224	Country Code for ETSI ISDN Addressing **[For EMEA]**	X ~ XXXX NONE◀	Country Code X: 0-9, A (*), B (#) No data	
225	Area Code for ETSI ISDN Addressing **[For EMEA]**	X ~ XXXXXX NONE◀	Area Code X: 0-9, A (*), B (#) No data	
226	International/National Prefix Code display when a call terminates via ETSI ISDN **[For EMEA]**	0 1◀	Available Not available	
228	ETSI ISDN Channel Negotiation **[For EMEA]**	0 1◀	To provide Not provided	
230	Type of number (ISDN Calling party number)	00 01 02 03 04 06 NONE◀	Unknown International number National number Network specific number Subscriber number Abbreviated number No data	CM35 Y=234
	NOTE: *This command is effective when CM35 Y=234 is set to 0.*			

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COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
231	Numbering plan identification (ISDN Calling party number)	00 01 03 04 08 09 NONE◀	Unknown ISDN/Telephony numbering plan Data numbering plan Telex numbering plan National standard numbering plan Private numbering plan No data	CM35 Y=234
	NOTE: *This command is effective when CM35 Y=234 is set to 0.*			
233	Release of ISDN trunk when receiving the ISDN DISCONNECT message with Progress Description= 08 before the called party answers the call because the called party is busy in tandem connection (ISDN to ISDN) (effective for an incoming call from ISDN)	0 1◀	To release Not released	CM35 Y=266, 158, 208
	NOTE 1: *Set the CM35 Y=263 when the incoming trunk is other than ISDN.* **NOTE 2:** *This command is used to release the incoming trunk without hearing the announcement/audible tone at a call disconnection from the originating trunk (a caller hears the audible tone from the network on calling side).* **NOTE 3:** *To release the ISDN trunk when receiving the ISDN DISCONNECT message, set the second data 0 to the incoming trunk route of tandem office.* **NOTE 4:** *Assign the second data 0 to the incoming and forwarding trunk route of Mobility Access.*			
234	Type of number/Numbering plan identification of ISDN Calling Party Number	0 1◀	To provide Not provided	CM35 Y=230, 231

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COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
244	Dial Tone (DT) sending to calling party of opposite office when receiving the SETUP message by Overlap Receiving-Q-SIG **[Russia Only]**	0 1◀	To send DT of own office Not sent	
	NOTE 1: *This command can be also used to specify whether the SETUP message does not contain a called party number is enabled or not.* *When the SETUP message does not contain a called party number message is not enabled, assign the second data to "0".* **NOTE 2:** *This command should be assigned to incoming trunk route when sending DT to calling party.* **NOTE 3:** *This command should be assigned to both incoming trunk route and outgoing trunk route when the SETUP message does not contain a called party number is not enabled.*			
245	Calling Party number (1-8 digits) transfer to ISDN on tandem call from Q-SIG	0 1◀	To provide Not provided	
247	Forced release in designated time for outgoing trunk route	0 1◀	To provide Not provided	
248	Forced release in designated time for incoming trunk route	0 1◀	To provide Not provided	
249	Warning SST sending timer for forced release to the incoming trunk route of tandem connection	0 1 2 3◀	Depends on Timer A (CM41 Y=0>114) Depends on Timer B (CM41 Y=0>115) Depends on Timer C (CM41 Y=0>116) Forced release is not provided	CM35 Y=247 CM41 Y=0>114 CM41 Y=0>115 CM41 Y=0>116
	NOTE: *This command is effective when the forced release is provided to the outgoing trunk route of tandem connection (CM35 Y=247 is set to 0).*			
250	Extended Interdigit Pause Timer for outgoing call	0 1◀	To provide Not provided	CM41 Y=0>117

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COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
254	Whether the call terminating method is specified for incoming call with no CLI in Day Mode	0 1 3◀	Specified for each reason of the incoming call with no CLI Specified for all incoming calls with no CLI Not specified	CM35 Y=255
	NOTE: *When the second data is set to 0, set the call termination method by CM35 Y=255, 343 and 344. When the second data is set to 1, set the call termination method by CM35 Y=255.*			
255	Specification of the call terminating method for incoming call with no CLI in Day Mode	0 1 2 3◀	To transfer to the VRS/another station/ Attendant Console (assigned by CM51 Y=33) To reject the call termination To terminate the Multiline Terminal with unusual lamp indication (assigned by CM35 Y=258) To terminate as usual	CM35 Y=254, 258 CM51 Y=33
	NOTE: *When the second data of CM35 Y=254 is set to 0, specify the call terminating method in Day Mode by this command when reason of the incoming call with no CLI is "Privacy".*			
256	Whether the call terminating method is specified for incoming call with no CLI in Night Mode/Mode A/ Mode B	0 1 3◀	Specified for each reason of the incoming call with no CLI Specified for all incoming calls with no CLI Not specified	CM35 Y=257
	NOTE: *When the second data is set to 0, set the call termination method by CM35 Y=257, 345 and 346. When the second data is set to 1, set the call termination method by CM35 Y=257.*			
257	Specification of the call terminating method for incoming call with no CLI in Night Mode/Mode A/Mode B	0 1 2 3◀	To transfer to the VRS/another station/ Attendant Console (assigned by CM51 Y=33) To reject the call termination To terminate the Multiline Terminal with unusual lamp indication (assigned by CM35 Y=258) To terminate as usual	CM35 Y=256, 258 CM51 Y=33
	NOTE: *When the second data of CM35 Y=256 is set to 0, specify the call terminating method in Night Mode/ Mode A/Mode B by this command when reason of the incoming call with no CLI is "Privacy".*			

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COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
258	Color of Call Indicator Lamp on Multiline Terminal for incoming call with no CLI	0 1◀	Green (120 IPM) Red (120 IPM)	CM35 Y=032, 255, 257
	NOTE: *This command is effective on the following conditions.* • *CM35 Y=032 is set to 1.* • *CM35 Y=255, 257 are set to 0 or 2, and Multiline Terminal receives the incoming call.*			
263	Release of trunk (not ISDN) when receiving the ISDN DISCONNECT message with Progress Description= 08 before the called party answers the call because the called party is busy in tandem connection (effective for an incoming call from ISDN)	0 1◀	To release Not released	CM35 Y=233
	NOTE 1: *Set the CM35 Y=233 when the incoming trunk is ISDN.* **NOTE 2:** *This command is used to release the incoming trunk without hearing the announcement/audible tone at a call disconnection from the originating trunk (a caller hears the audible tone from the network on calling side).*			
265	Screening Indicator (ISDN Calling party number)	0 1 2 3 NONE◀	user-provided, not screened user-provided, verified and passed user-provided, verified and failed Network provided	

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COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
266	Relay of the ALERT message from the calling party to the called party in tandem connection (ISDN to ISDN) (effective for an out-going call and an incoming call from ISDN)	0 1◀	To provide Not provided	CM35 Y=233, 280
	NOTE 1: *This command is used to let the caller hear the announcement/audible tone from the originating trunk before the called party answers (example: announcement of out of cell (zone) for mobile phone).* **NOTE 2:** *According to the specification of the network, the setting of CM35 Y=280 is also required.* **NOTE 3:** *To send tone to the calling party according to the status of calling party (idle or busy) as shown below, set the second data of CM35 Y=233 and CM35 Y=266 to "0".* • *RBT is sent when the calling party is idle.* • *BT is sent when the calling party is busy.* **NOTE 4:** *Set the second data 0 to the incoming and forwarding trunk route of Mobility Access.*			
267	Coding Type when sending the ISDN Connected Line Identification Presentation (COLP) **[For Spain]**	0 1◀	Codeset 5 (Spanish specification) Codeset 0 (ETSI specification)	
268	Calling Party Name sending to ISDN **[North America Only]**	0 1◀	To provide Not provided	
270	Dial Tone (DT) sending to calling party of opposite office when receiving the SETUP ACK message by Overlap Sending-Q-SIG **[Russia Only]**	0 1 2 3◀	To send DT of own office To send DT of own office when the received Progress Description is not same as the Progress Description assigned by CM35 Y=271 (Not sent when Progress Description is same as the Progress Description) To send DT from opposite office (Not sent when DT is not sent from opposite office) Not sent	
	NOTE: *This command should be assigned to outgoing trunk route.*			

Continued on next page

COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
271	Progress Description by Overlap Sending-Q-SIG **[Russia Only]**	1 ~ 4 8 15◀	Progress Description 1 ~ Progress Description 4 Progress Description 8 No data	CM35 Y=270
	NOTE 1: *This command is effective when the second data of CM35 Y=270 is set to "1".* **NOTE 2:** *This command should be assigned to outgoing trunk route.*			
272	Progress Description by Overlap Receiving-Q-SIG **[Russia Only]**	1 ~ 4 8 15◀	Progress Description 1 ~ Progress Description 4 Progress Description 8 No data	CM35 Y=244
	NOTE 1: *This command is effective when the second data of CM35 Y=244 is set to "0".* **NOTE 2:** *This command should be assigned to incoming trunk route.*			
273	Sending the called party number to outgoing trunk route before receiving all digits of the called party number in tandem connection (Q-SIG to Q-SIG) **[Russia Only]**	0 1◀	To send Not sent	
	NOTE 1:			
276	ISDN Alternative Routing for Remote Unit in survival mode when receiving trunk call	0 1◀	Allow Restricted	
277	Call Completion to Busy Subscriber (CCBS) for a call originating office **[For EMEA]**	0 1◀	Allow Restricted	

Continued on next page

COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
278	Call Completion to Busy Subscriber (CCBS) for a call termination office **[For EMEA]**	0 1◀	Allow Restricted	
279	Pattern number for adding an access code for outgoing call to the calling number stored by Message Reminder when terminating a tandem call via CCIS/SIP trunk	0 ~ 7 NONE◀	Pattern No. 0 ~ Pattern No. 7 No data	CM50 Y=11
280	Relay of the ALERT message for called party when receiving PROGRESS message from the calling party in tandem connection (ISDN to ISDN) (effective for an outgoing call and an incoming call from ISDN)	0 1◀	To provide Not provided	
	NOTE 1: *This command is used to let the caller hear the announcement/audible tone from the originating trunk before the called party answers (example: announcement of out of cell (zone) for mobile phone).* **NOTE 2:** *According to the specification of the network, this data setting is required.*			
281	Calling party number relaying in ISDN to ISDN/CCIS to ISDN connection (for incoming trunk route) **[For EMEA]**	0 3◀	To provide Not provided	CM35 Y=282
	NOTE 1: *This command must be set for incoming trunk route.* **NOTE 2:** *Calling party number relaying in ISDN tandem connection is available when both CM35 Y=281 and CM35 Y=282 are set to 0.*			

Continued on next page

COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
282	Calling party number relaying in ISDN to ISDN/CCIS to ISDN connection (for outgoing trunk route) **[For EMEA]**	0 3◀	To provide Not provided	CM35 Y=281
	NOTE 1: *This command must be set for outgoing trunk route.* **NOTE 2:** *Calling party number relaying in ISDN tandem connection is available when both CM35 Y=281 and CM35 Y=282 are set to 0.*			
284	Mobility access Prefix **[For EMEA]**	2 7◀	Enblock Dialing Method (for Forced On PBX) Not provided	
286	Registering a fault information when a long call duration of trunk call occurs	0 1◀	Not registered To register	CM42>182 CMEA Y=2>04A
289	Setting of PAD data from a trunk to a station	01 ~ 15 16 17 ~ 28 ~ 31 NONE◀	-15 dB ~ (1 dB increment) -1 dB 0 dB +1 dB ~ (1 dB increment) +12 dB ~ +12 dB 0 dB +: Gain - : Loss	
	NOTE 1: *This command is effective for the following trunks.* *- LDT/ODT/PRT/DTI/CCT/SIP/IPT (P2P CCIS)* **NOTE 2:** *This command is effective when the level diagram control system is set to "Old Pattern".*			

Continued on next page

COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
290	Setting of PAD data from a station to a trunk	01 ≀ 15 16 17 ≀ 28 ≀ 31 NONE◀	-15 dB ≀ (1 dB increment) -1 dB 0 dB +1 dB ≀ (1 dB increment) +12 dB ≀ +12 dB 0 dB +: Gain - : Loss	
	NOTE 1: *This command is effective for the following trunks.* *- LDT/ODT/PRT/DTI/CCT/SIP/IPT (P2P CCIS)* **NOTE 2:** *This command is effective when the level diagram control system is set to "Old Pattern".*			
291	CODEC Filter Type BLADE RESET ☞ See PRECAUTION (2)	00 01 02 03 15◀	Not filtered TYPE1 (Very short distance) TYPE2 (Middle distance) TYPE3 (Long distance) TYPE2 (Middle distance)	
	NOTE 1: *This command is effective for the data set for the trunk route of the base port of each COT/LDT/ODT blade (All ports of the blade including COTDB become the same setting).* **NOTE 2:** *For the second data, signal losses in the line distance of the line are estimated as follows.* *Second data: 01 (TYPE1 [Very short distance])..... 0 dB* *: 02 (TYPE2 [Middle distance]) ..... 4 dB* *: 03 (TYPE3 [Long distance]) ..... 8 dB* **NOTE 3:** *For a COT blade, set the second data shown below depending on the line distance of the ordinary line.* *- Set the second data to "01" (TYPE1 [Very short distance]) when connecting to the behind PBX, TA and IP terminal adapter.* *- Set the second data to "03" (TYPE3 [Long distance]) when the line is far from the Office PBX and the signal attenuation is heavily.* **NOTE 4:** *For a LDT/ODT blade, set the second data depending on the line distance of the line.*			

Continued on next page

COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
295	Setting of PAD data from a trunk to a conference trunk (Effective for LDT/ODT/ PRT/DTI/CCT/SIP/IPT [P2P CCIS])	00 ~ 44 45 46 ~ 63 NONE◀	-45 dB ~ (1 dB increment) -1 dB 0 dB +1 dB ~ (1 dB increment) +18 dB As per CM42>191 +: Gain - : Loss	
	NOTE: *This command is effective when the level diagram control system is set to "Old Pattern".*			
296	Setting of PAD data from a conference trunk to a trunk (Effective for LDT/ODT/ PRT/DTI/CCT/SIP/IPT [P2P CCIS])	01 ~ 15 16 17 ~ 28 ~ 31 NONE◀	-15 dB ~ (1 dB increment) -1 dB 0 dB +1 dB ~ (1 dB increment) +12 dB ~ +12 dB 0 dB +: Gain -: Loss	
	NOTE: *This command is effective when the level diagram control system is set to "Old Pattern".*			
297	Setting of PAD data from a trunk to a DTMF Receiver (Effective for COT/LDT/ ODT/BRT/PRT/DTI)	00 ~ 44 45 46 ~ 63 NONE◀	-45 dB ~ (1 dB increment) -1 dB 0 dB +1 dB ~ (1 dB increment) +18 dB 0 dB +: Gain -: Loss	

Continued on next page

COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
298	Setting of DTMF Receiver Type (Effective for COT/ LDT/ODT/BRT/PRT/DTI)	0 1 2 NONE◀	Receiver Type 0 (For Station/Trunk) Receiver Type 1 (As per CM45 Y=B) Receiver Type 2 (As per CM45 Y=B) Receiver Type 0 (For Station/Trunk)	CM45 Y=B
299	Polarity Detection of COT BLADE RESET ☞ See PRECAUTION (2)	0 1◀	To detect Polarity free	
	NOTE: *For ground start C.O. lines, set the second data to 0 to detect polarity.*			

Continued on next page

COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

Y=300-999

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	**MEANING**	**DATA**	**MEANING**	
300	Level diagram group number	20 ~ 31 NONE◀	Level diagram group number 20 ~ Level diagram group number 31 As per trunk kind	CM68 CM8A Y=5XXX>182
	NOTE 1: *When no data is assigned, a level diagram group number corresponding to the trunk kind is applied. For details, see Appendix B "LEVEL DIAGRAM SETTING FOR SYSTEM".* ☞ *Page B-1* **NOTE 2:** *To assign a level diagram group number for each destination of IPT (P2P CCIS) connection, use CM8A Y=5000-5255>182.*			
302	Paging station (PGD(2)-U10) access from trunk	0 1◀	Restricted Allow	
303	Restriction of call termination for incoming trunk call with calling party number	0 1◀	To provide Not provided	CM73 Y=0: 2
304	Specification of the call terminating method for incoming trunk call with calling party number in Day Mode	0 1 7◀	To transfer to VRS/another station/Attendant Console (assigned by CM51 Y=34) To reject the call termination To terminate as usual	CM35 Y=303
305	Specification of the call terminating method for incoming trunk call with calling party number in Night Mode/Mode A/Mode B	0 1 7◀	To transfer to VRS/another station/Attendant Console (assigned by CM51 Y=34) To reject the call termination To terminate as usual	CM35 Y=303
306	Sending the Calling Party Number when calling from tandem connection	0 1◀	Available Not available	CMBA Y=44
	NOTE 1: *Assign this data to an outgoing trunk route that can be sent the Calling Party Number.* **NOTE 2:** *When an outgoing trunk is SIP trunk, specify whether to send the Calling Party Number by CMBA Y=44.*			

Continued on next page

COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
307	Calling Party Number type to be sent when calling via ISDN	0 1 2 3 4 7◀	To send station number To send Calling Party Number assigned by CM12 Y=12, 13 To send Calling Party Number assigned by CM12 Y=46, 47 To send Calling Party Number assigned by CM12 Y=51 To send Calling Party Number assigned by CM12 Y=52 As per CM8A Y=5XXX>176 (To send Calling Party Number assigned by CM12 Y=12, 13 when calling to a trunk route)	CM12 Y=12, 13, 46, 47 CM8A Y=5XXX>176 CMBA Y=44
	NOTE 1: *Whether to be sent My line number/Sub line number per Line Key can be selected by CM13 Y=70/71.* **NOTE 2:** *When an outgoing trunk is SIP trunk, set the Calling Party Number by CMBA Y=44 and CM8A Y=5XXX>176.*			
308	Prefix code for Calling Party Number when calling from a station/tandem connection	X ~ XXXX XXXX NONE◀	Prefix code for the Calling Party Number (1-8 digits) X: 0-9, A (*), B (#) Not added	CM35 Y=310, 311
309	Digits to be deleted from the head of Calling Party Number	00 01 ~ 08 15◀	No digit deletion First 1 digit deletion ~ First 8 digits deletion No digit deletion	
310	Whether to add the prefix code for Calling Party Number when calling from a station	0 1◀	To add Not added	CM35 Y=307, 308 CM8A Y=5XXX>176 CMBA Y=44
	NOTE 1: *Prefix code is added only when station number is sent as a caller ID (CM35 Y=307: 0).* **NOTE 2:** *This data is effective when setting Station Number (without Originating Office number by CMA7 Y=06) as Calling Party Number set by CMBA Y=44 and CM8A Y=5XXX>176.*			

Continued on next page

COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
311	Whether to add the prefix code for Calling Party Number when calling from a trunk	0 1◀	To add Not added	CM35 Y=306, 308 CMBA Y=44
	NOTE: *This data is effective when sending the Calling Party Number when the call is originated from a tandem connection set by CM35 Y=306: 0.*			
314	Dial Mask on LCD during talking with trunk	0 1◀	Allow Restricted	CM15 Y=289
	NOTE: *Set the second data of both CM15 Y=289 and CM35 Y=314 to "0" to make the Dial Mask on LCD available.*			
318	Calling Name display for Caller ID-station received on Facility in ISDN message **[North America Only]**	0 1◀	Available Not available	
319	Restriction of Remote Maintenance via built-in modem	0 1 3◀	Restricted by Calling party No. All Restricted Not Restricted	CMEC Y=8
320	VRS Waiting Message (for Day Mode)	0	To provide VRS Waiting Message function (Announcement Service Start after Call Termination)	CM76 Y=45-48
321	VRS Waiting Message (for Night Mode)	1	To provide VRS Waiting Message (Greeting Mode)	
322	VRS Waiting Message (for Mode A)	3◀	Not available	
323	VRS Waiting Message (for Mode B)			

Continued on next page

COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
324	1st VRS Waiting Message (for Day Mode)	00 ~ 63 NONE◀	VRS Waiting Message No. 00-63 No data	CM76 Y=49-52
325	1st VRS Waiting Message (for Night Mode)			
326	1st VRS Waiting Message (for Mode A)			
327	1st VRS Waiting Message (for Mode B)			
328	2nd VRS Waiting Message (for Day Mode)	00 ~ 63 NONE◀	VRS Waiting Message No. 00-63 No data	CM76 Y=53-56
329	2nd VRS Waiting Message (for Night Mode)			
330	2nd VRS Waiting Message (for Mode A)			
331	2nd VRS Waiting Message (for Mode B)			
332	VRS Waiting Message Send Pattern (for Day Mode)	0 1◀	To send only one time To send periodically	CM76 Y=57-60
333	VRS Waiting Message Send Pattern (for Night Mode)			
334	VRS Waiting Message Send Pattern (for Mode A)			
335	VRS Waiting Message Send Pattern (for Mode B)			

Continued on next page

COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
336	Multiple connections of VRS Waiting Message (for Day Mode)	0 1◀	Play the message any time Play the beginning of the message	CM76 Y=61-64
337	Multiple connections of VRS Waiting Message (for Night Mode)			
338	Multiple connections of VRS Waiting Message (for Mode A)			
339	Multiple connections of VRS Waiting Message (for Mode B)			
340	Enblock Dialing Method (for Forced on PBX)	0 1◀	To provide Not provided	
	NOTE: *This data is effective only for SIP trunk.*			
343	Specification of the call terminating method when reason of the incoming call with no CLI is [Out of Area] in Day Mode	0 1 2 3◀	To transfer to the VRS/another station/Attendant Console (assigned by CM51 Y=36) To reject the call termination To terminate the Multiline Terminal with unusual lamp indication (assigned by CM35 Y=258) To terminate as usual	CM35 Y=254, 258 CM51 Y=36
	NOTE: *This data is effective when the second data of CM35 Y=254 is set to 0.*			
344	Specification of the call terminating method when reason of the incoming call with no CLI is [Coin Box] in Day Mode	0 1 2 3◀	To transfer to the VRS/another station/Attendant Console (assigned by CM51 Y=37) To reject the call termination To terminate the Multiline Terminal with unusual lamp indication (assigned by CM35 Y=258) To terminate as usual	CM35 Y=254, 258 CM51 Y=37
	NOTE: *This data is effective when the second data of CM35 Y=254 is set to 0.*			

Continued on next page

COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
345	Specification of the call terminating method when reason of the incoming call with no CLI is [Out of Area] in Night Mode/Mode A/ Mode B	0 1 2 3◀	To transfer to the VRS/another station/Attendant Console (assigned by CM51 Y=36) To reject the call termination To terminate the Multiline Terminal with unusual lamp indication (assigned by CM35 Y=258) To terminate as usual	CM35 Y=256, 258 CM51 Y=36
	NOTE: *This data is effective when the second data of CM35 Y=256 is set to 0.*			
346	Specification of the call terminating method when reason of the incoming call with no CLI is [Coin Box] in Night Mode/Mode A/Mode B	0 1 2 3◀	To transfer to the VRS/another station/Attendant Console (assigned by CM51 Y=37) To reject the call termination To terminate the Multiline Terminal with unusual lamp indication (assigned by CM35 Y=258) To terminate as usual	CM35 Y=256, 258 CM51 Y=37
	NOTE: *This data is effective when the second data of CM35 Y=256 is set to 0.*			
349	The outgoing SIP trunk edits calling party number by ETSI ISDN Addressing of incoming ISDN trunk in case of tandem connection (ISDN to SIP trunk). **[For EMEA]**	0 1◀	Not provided To provide	
350	Terminating system for Called Party Subaddress	0 1 3◀	Station Call Terminating system assigned by CM30 Y=02/03/40/41 As per CM08 1st=401	CM30 Y=02/03/40/41 CM08 1st=401
357	Ground Start Seizure Sequence **[North America Only]** BLADE RESET ☞ See PRECAUTION (2)	0 3◀	Detect response from C.O when Outgoing trunk calls Detect response from C.O when Outgoing trunk calls	

Continued on next page

COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
358	Illumination Color of Multi-line Terminal for External Call (to be specified for each incoming trunk route)	0 1 2 3 4 5 6 7 NONE◀	Pattern 0 Pattern 1 Pattern 2 Pattern 3 Pattern 4 Pattern 5 Pattern 6 Pattern 7 As per CM12 Y=84	CM76 Y=72 CM12 Y=83/84

NOTE 1

NOTE 1: *The illumination color for each pattern can be set as shown in the table below depending on the terminal type (7-color LED/3-color LED).*

Pattern No.	7-color LED terminal	3-color LED terminal		
	DT530/DT730/ DT730CG/DT730DG/ DT730 DESI-less/ DT830/DT830CG/ DT830DG/ DT830 DESI-less/ DT830DG DESI-less/ DT900 Series	DT310/DT330/ DT410/DT430/ DT430 DESI-less/ DT510/DT710/ DT820	DT710 DESI-less	DT820 DESI-less
Pattern 0	Red	Red	Red	Red
Pattern 1	Green	Green	Green	Green
Pattern 2	Blue	Yellow	-	Yellow
Pattern 3	Yellow	Yellow	Yellow	Yellow
Pattern 4	Purple	Yellow	-	Yellow
Pattern 5	Light blue	Yellow	-	Yellow
Pattern 6	White	Yellow	-	Yellow
Pattern 7	7-color rotation	Yellow	3-color rotation	3-color rotation

NOTE 2: *For DT820 including a DESI-less terminal, use the 9300V3 STEP2 software or later. When the DT820 is connected to SV9300 using the 9300V3 software or before, the DT820 operates as DT710.*

NOTE 3: *For DT700/DT800/DT900 Series terminals, follow the setting of the terminal if its color-coding method for a distinction between an internal call and an external call is set to a method other than "Automatic".*

Continued on next page

COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
359	Specify whether calling trunk side is disconnected or continued when the call is disconnected by standard SIP station while incoming	0 3◀	Disconnected Continued	
	NOTE: *Even when the data is set to 0 (Disconnected), the call is charged because of its momentary connection.*			

Continued on next page

COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
360	Illumination Color of Multi-line Terminal for Incoming call with no CLI (to be specified for each incoming trunk route)	0 1 2 3 4 5 6 7 NONE◀	Pattern 0 Pattern 1 Pattern 2 Pattern 3 Pattern 4 Pattern 5 Pattern 6 Pattern 7 As per CM35 Y=358 / CM76 Y=72	CM35 Y=358 CM76 Y=72

NOTE 1

NOTE 1: *The illumination color for each pattern can be set as shown in the table below depending on the terminal type (7-color LED/3-color LED).*

Pattern No.	7-color LED terminal	3-color LED terminal		
	DT530/DT730/DT730CG/DT730DG/DT730 DESI-less/DT830/DT830CG/DT830DG/DT830 DESI-less/DT830DG DESI-less/DT900 Series	DT310/DT330/DT410/DT430/DT430 DESI-less/DT510/DT710/DT820	DT710 DESI-less	DT820 DESI-less
Pattern 0	Red	Red	Red	Red
Pattern 1	Green	Green	Green	Green
Pattern 2	Blue	Yellow	-	Yellow
Pattern 3	Yellow	Yellow	Yellow	Yellow
Pattern 4	Purple	Yellow	-	Yellow
Pattern 5	Light blue	Yellow	-	Yellow
Pattern 6	White	Yellow	-	Yellow
Pattern 7	7-color rotation	Yellow	3-color rotation	3-color rotation

NOTE 2: *For DT820 including a DESI-less terminal, use the 9300V3 STEP2 software or later. When the DT820 is connected to SV9300 using the 9300V3 software or before, the DT820 operates as DT710.*

NOTE 3: *For DT700/DT800/DT900 Series terminals, follow the setting of the terminal if its color-coding method for a distinction between an internal call and an external call is set to a method other than "Automatic".*

361	Call Back to Mobile Phone **[9300V3]**	0 1◀	To provide Not provided	

Continued on next page

COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
366	SIP 302 Redirect **[9300V5]** **[Australia Only]**	0 1◀	To provide Not provided	
	NOTE: *Assign the data to an incoming SIP trunk.*			
368	The state distinction when terminating a call to standard SIP station via trunk **[9300V5]**	0 1◀	To provide Not provided	
	NOTE: *This data is effective only for a SIP trunk.*			
369	Data Mode for Trunk Route (1.5M (T1) DTI) **[9300V5]** **[North America Only]** BLADE RESET ☞ See PRECAUTION (2)	01 06 15◀	Loop Start Trunk (FXS) E&M Tie Trunk No data	
		NOTE: *For Loop Start Trunk (FXS), set the second data to "01". For E&M Tie Trunk, set the second data to "06".*		
371	Trunk Restriction Class for tandem connection **[9300V7]**	X Z NONE◀	X: Day Trunk Restriction Class Z: Night Trunk Restriction Class Contents of Day/Night Trunk Restriction Class 1: Unrestricted (RCA) 2: Non-Restricted 1 (RCB) 3: Non-Restricted 2 (RCC) 4: Semi-Restricted 1 (RCD) 5: Semi-Restricted 2 (RCE) 6: Restricted 1 (RCF) 7: Restricted 2 (RCG) 8: Fully-Restricted (RCH) No data	CM81 Y=01-13
	NOTE 1: *Set this command for an incoming trunk route when originating a tandem call.* **NOTE 2:** *This command is not effective for CCIS trunk.*			

COMMAND CODE	TITLE:
35	TRUNK ROUTE DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
373	Mobility Access Forwarding in tandem connection that the outgoing trunk route of Mobility Access Forwarding is the same as the incoming trunk route **[9300V9]**	0 1◀	Not transfer To transfer	
	NOTE: *This data is available from 9300V9 (V9.2.1) software or later.*			
999	Returning all trunk route data to default settings	CCC	Return to default settings	
	NOTE 1: *All trunk route data by CM35 set to each trunk route will return to default settings if this command is used.* **NOTE 2:** *This data is effective also when the system is under on-line mode.*			

COMMAND CODE	TITLE:
36	RESTRICTION DATA/PAD DATA FOR TANDEM CONNECTION

FUNCTION:

This command is used to assign restriction data and PAD data for tandem connection within a system, for each combination of an incoming trunk route and an outgoing trunk route.

PRECAUTION:

(1) Any incoming trunk route assigned to "No release signal" in CM35 Y=005, is restricted from tandem connection.

ASSIGNMENT PROCEDURE:

[ST] + 36Y + [DE] + INCOMING TRUNK ROUTE (2 digits) + OUTGOING TRUNK ROUTE (2 digits) + [DE] + DATA (1-4 digits) + [EXE]

COMMAND CODE	TITLE:
36	RESTRICTION DATA/PAD DATA FOR TANDEM CONNECTION

DATA TABLE:

◀: Default

Y		INCOMING TRUNK ROUTE	OUTGOING TRUNK ROUTE	SETTING DATA		RELATED COMMAND
No.	MEANING					
0	Setting of restriction data for tandem connection	00 ≀ 63	00 ≀ 63	0 1◀	Allow Restricted	CM35 Y=005
1	Setting of PAD data for tandem connection			aa bb	aa : PAD data from an incoming trunk route to an outgoing trunk route (01-31) bb: PAD data from an outgoing trunk route to an incoming trunk route (01-31) 01: -15 dB ≀ ≀ (1 dB increment) 15: -1 dB 16: 0 dB 17: +1 dB ≀ ≀ (1 dB increment) 28: +12 dB ≀ ≀ 31: +12 dB	CM35 Y=005
				NONE◀	0 dB +: Gain - : Loss	

NOTE 1: *This command is effective for the following trunks.*
- *LDT/ODT/BRT/DTI/CCT/SIP/IPT (P2P CCIS)*

NOTE 2: *This command is effective when the level diagram control system is set to "Old Pattern".*

COMMAND CODE	TITLE:
40	FUNCTION OF CPU RS-232C PORT/LAN FEATURE

FUNCTION:

This command is used to assign the purpose of use and port function for a RS-232C port connection or PCPro connected by LAN.

(1) For RS-232C Port Connection:
The CPU blade has two RS-232C ports and the available features for each port are as follows.

×: Available –: Not available ( ): Port Location Number

FUNCTION	RS-232C PORTS ON THE CPU BLADE								REMARKS
	UNIT01		UNIT02		UNIT03		UNIT04		
	PORT 1	PORT 2	PORT 1	PORT 2	PORT 1	PORT 2	PORT 1	PORT 2	
PCPro	× (0)	× (1)	×*1 (0)	×*1 (1)	×*1 (0)	×*1 (1)	×*1 (0)	×*1 (1)	Available to use these ports at the same time (Maximum 2/system [Maximum 1/system when built-in modem is connected])
Built-in PMS	× (0)	× (1)	× (4)	× (5)	× (6)	× (7)	–	–	Not available to use these ports at the same time (Maximum 1/system)
MCI	× (0)	× (1)	× (4)	× (5)	× (6)	× (7)	–	–	Not available to use these ports at the same time (Maximum 1/system)
External Printer for PMS									Not available to use these ports at the same time (Maximum 1/system)
VoIP log collection	× (0)	× (1)	–	–	–	–	–	–	Not available to use these ports at the same time (Maximum 1/system)
MP-FP command output (for realtime mode)*2	× (0)	× (1)	–	–	–	–	–	–	Not available to use these ports at the same time (Maximum 1/system)
SMDR	× (0)	× (1)	–	–	–	–	–	–	Not available to use these ports at the same time (Maximum 1/system)

Continued on next page

COMMAND CODE	TITLE:
40	FUNCTION OF CPU RS-232C PORT/LAN FEATURE

×: Available –: Not available ( ): Port Location Number

FUNCTION	RS-232C PORTS ON THE CPU BLADE								REMARKS
	UNIT01		UNIT02		UNIT03		UNIT04		
	PORT 1	PORT 2	PORT 1	PORT 2	PORT 1	PORT 2	PORT 1	PORT 2	
Remote Maintenance using external modem or built-in modem of CPU blade (Modem on the market)	× (0)	× (1)	× (0)	× (1)	× (0)	× (1)	× (0)	× (1)	Available to use these ports at the same time (Maximum 2/system)

*1: Available with restriction (see PRECAUTION (1))
*2: For a RS-232C port connection, MP-FP command output (for storage mode) cannot be used.

For example, when the RS-232C ports on Unit02-03 of a CPU blade are also used, the available connections are as follows.
- UNIT01 PORT1: PCPro
- UNIT01 PORT2: SMDR
- UNIT02 PORT1: External Printer for PMS
- UNIT03 PORT1: MCI

(2) For PCPro Connected by LAN:
For PCPro connected by LAN, the available features for each port are as follows.

×: Available –: Not available ( ): Port Location Number

FUNCTION	PCPro CONNECTED BY LAN				REMARKS
	UNIT01		UNIT02-50		
	LAN1	LAN2	LAN1	LAN2	
MP-FP command output (for realtime mode)	× (A)	× (B)	–	–	Not available to use these ports at the same time (Maximum 1/system)
MP-FP command output (for storage mode)	× (A)	× (B)	–	–	Not available to use these ports at the same time (Maximum 1/system)
Operation log output	× (A)	× (B)	–	–	Not available to use these ports at the same time (Maximum 1/system)

NOTE: *As for the conditions of PCPro connected by LAN, see PRECAUTION (3).*

COMMAND CODE	TITLE:
40	FUNCTION OF CPU RS-232C PORT/LAN FEATURE

PRECAUTION:

(1) The conditions of connecting PCPro to the RS-232C ports are as follows.
- When connecting PCPro to the RS-232C ports other than Unit01, the connection depends on the data setting by the first data "0/1" (Port 1/Port 2 of Unit01) of CM40 Y=01-06.
- To use PCPro for maintenance of whole system, connect PCPro to RS-232C port of Unit01. If PCPro is connected to RS-232C port other than Unit01, the system data can be changed temporarily only in each Unit connecting the PCPro. When system data copy is executed under normal mode, these changed data is overwritten with the system data of Unit01.
- For survival mode or off-line mode, the data setting such as MCI or external printer for PMS is ineffective even if the system data for them is set by CM40 Y=00. Therefore, PCPro can be connected to RS-232C ports of each unit.
- For on-line mode, PCPro cannot be connected to the same RS-232C port which is already set the system data such as MCI or external printer for PMS is set by CM40 Y=00.

(2) The equipment connected to RS-232C ports on Unit02-03 is available only for normal mode (survival mode and off-line mode are not available).

(3) The conditions of PCPro connected by LAN are as follows.
- To use PCPro for maintenance of whole system, connect PCPro to Unit01. If PCPro is connected with SV9300 other than Unit01 by LAN, the system data can be changed temporarily only in the Unit connected to the PCPro. When system data copy is executed under normal mode, these changed data is overwritten with the system data of Unit01.

ASSIGNMENT PROCEDURE:

[ST] + 40YY + [DE] + PORT LOCATION NUMBER (0/1/4-7) + [DE] + SETTING DATA (1-8 digits) + [EXE]

[ST] + 4010 + [DE] + 1ST DATA (1/2) + [DE] + SETTING DATA (1-8 digits) + [EXE]

COMMAND CODE	TITLE:
40	CPU RS-232C PORT/LAN FEATURE

DATA TABLE:

CPU RS-232C port/LAN Feature

◀: Default

Y		PORT LOCATION NUMBER		SETTING DATA		REMARKS
No.	MEANING			DATA	MEANING	
00	Function	0 1 4 5 6 7 A B	UNIT01 PORT1 UNIT01 PORT2 UNIT02 PORT1 NOTE 1 UNIT02 PORT2 NOTE 1 UNIT03 PORT1 NOTE 1 UNIT03 PORT2 NOTE 1 UNIT01 1st PCPro connected by LAN NOTE 3 UNIT01 2nd PCPro connected by LAN NOTE 3	08 10 11 14 19 20 24 29 30 NONE◀	VoIP log collection MCI MCI and Built-in SMDR Built-in SMDR NOTE 2 MP-FP Command Output (for real-time mode) External printer for PMS PMS MP-FP Command Output (for storage mode) Operation Log Output No data	
01	Data length	0 1 4 5 6 7	UNIT01 PORT1 UNIT01 PORT2 UNIT02 PORT1 NOTE 1 UNIT02 PORT2 NOTE 1 UNIT03 PORT1 NOTE 1 UNIT03 PORT2 NOTE 1	0 1◀	7 bit 8 bit	
02	Parity check			0 1◀	Effective Ineffective	
03	Kind of parity			0 1◀	Odd parity Even parity	
04	Stop bit			0 1◀	1-Stop bit 2-Stop bit	
05	DTR signal sent to terminal			0 1◀	Low High	
06	RTS signal sent to terminal			0 1◀	Low High	

Continued on next page

COMMAND CODE	TITLE:
40	CPU RS-232C PORT/LAN FEATURE

◀: Default

Y		PORT LOCATION NUMBER		SETTING DATA		REMARKS
No.	MEANING			DATA	MEANING	
07	CS control	0 1 4 5 6 7	UNIT01 PORT1 UNIT01 PORT2 UNIT02 PORT1 NOTE 1 UNIT02 PORT2 NOTE 1 UNIT03 PORT1 NOTE 1 UNIT03 PORT2 NOTE 1	0 1◀	CS control is always provided As per CS signal input	
08	Data speed			1 2 3 4 5 NONE◀	1200 bps 2400 bps 4800 bps 9600 bps 19200 bps 9600 bps	
09	Printout Status NOTE 4	0 1	UNIT01 PORT1 UNIT01 PORT2	0 1◀	Disable Enable	
13	DRS signal sent to terminal			0 1◀	High Low	
30	PCPro/CAT Information	0	Connection Port No. (Only display)	0 1 2 3 A B	UNIT01 RS1 UNIT01 RS2 1st CAT 2nd CAT 1st PCPro connected by LAN 2nd PCPro connected by LAN	

NOTE 1: *The setting of Port Location Numbers 4-7 are effective after the system reset or for 10 minutes after this data setting.*

NOTE 2: *CM40 Y=00: 14 should not be assigned when using SMDR in Local Office of Centralized Billing-CCIS.*

NOTE 3: *For the first data A and B, only the second data 19, 29 and 30 can be assigned.*

NOTE 4: *For MP-FP command output, Printout Status (CM40 Y=09) is effective for a realtime mode (CM40 Y=0>A/B: 19) (ineffective for storage mode (CM40 Y=0>A/B: 29) /Operation Log Output (CM40 Y=0>A/B: 30)).*

NOTE 5: *When using CPU RS-232C port for PCPro, set the default to CM40 Y=01-06.*

Continued on next page

COMMAND CODE	TITLE:
40	CPU RS-232C PORT/LAN FEATURE

NOTE 6: *When External Printer for PMS is connected, set the second data of CM40 Y=01-07 as shown below.*

- *CM40 Y=01-06..... 1 (default)*
- *CM40 Y=07..... 0 (always ON)*
- *CM40 Y=08.....Adjust for the baud rate of External Printer*

NOTE 7: *Set the second data of CM40 Y=07 as follows.*

- *When using a printer cable ..... 0 (always ON)*
- *When using a cable except printer..... 1 (As per CS signal input)*

NOTE 8: *CM40 Y=13 should be set to "0" for downloading soft key information from UM8000 to CPU.*

Continued on next page

COMMAND CODE	TITLE:
40	CPU BUILT-IN MODEM

CPU Built-In Modem

◀: Default

Y		1ST DATA		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
10	CPU Built-In Modem	1	Station number of built-in modem NOTE 1 NOTE 2	X ~ XXXXXXXX NONE◀	Built-in modem No. X: 0-9, A (*), B (#) No data	CM13 Y=07 CM15 Y=044
		2	Restriction of Remote Maintenance by user operation	0 1◀	Available Not available	CM41 Y=0>165 CM90 Y=00: F1364

NOTE 1: *Station number must be an unassigned number by either CM10 Y=00 or CM11.*

NOTE 2: *For the station number of the built-in modem, set CM13 Y=07 to 0 (FAX Station) and CM15 Y=44 to 0 (Call Waiting Answer-Called Side restricted).*

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

FUNCTION:

This command is used to assign the System Timer data.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

ST + 41Y + DE + 1ST DATA (2 digits) + DE + 2ND DATA (2 digits) + EXE

DATA TABLE:

Y=0

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
0	00	Attendant Recall for Ring Transfer, Camp-On, and unanswered call	NONE	01 02 03 04 05 06 ..... 13 14	2.4 seconds
			31.2 ~ 33.6 seconds	0 ~ 2.4, 2.4 ~ 4.8, 4.8 ~ 7.2, 7.2 ~ 9.6, 9.6 ~ 12.0, 12.0 ~ 14.4 ..... 28.8 ~ 31.2, 31.2 ~ 33.6	
				15 16 17 18 19 24	9.6 seconds
				28.8 ~ 38.4, 38.4 ~ 48.0, 48.0 ~ 57.6, 57.6 ~ 67.2, 67.2 ..... 115.2 ~ 124.8	
	01	Elapsed time before Call Forwarding-No Answer for trunk incoming call/Automatic Change of Night Service (Attendant Overflow)/Group Diversion/Direct-In Termination	NONE	01 02 03 04 05 06 ..... 29 30	4 seconds
			32 ~ 36 seconds	0 ~ 4, 4 ~ 8, 8 ~ 12, 12 ~ 16, 16 ~ 20, 20 ..... 112 ~ 116, 116 ~ 120 **NOTE:** *For the timer of the second call forwarding, see CM41 Y=0>46.*	
	02	Path on delay/single-line toll restrict defeat guard timer	NONE	01 02 03 14	80 ms.
			1040 ms.	80 160 240 1120	

Continued on next page

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
0	03	Timing for Pseudo-Answer signal sent to SMDR	NONE	00 01 02 03 04 05 06 07 08	4 seconds
			20 ~ 24 seconds	4 8 12 16 20 24 28 32 36 ~ ~ ~ ~ ~ ~ ~ ~ ~ 8 12 16 20 24 28 32 36 40	
	04	Guard Timing of trunk release	NONE	01 02 03 04 05 06 ..... 13 14	0.48 seconds
			1.92 ~ 2.40 seconds	0 0.48 0.96 1.44 1.92 2.40 ..... 5.76 6.24 ~ ~ ~ ~ ~ ~ ~ ~ 0.48 0.96 1.44 1.92 2.40 2.88 ..... 6.24 6.72	
	05	Recall Timing for Non-exclusive Hold/ Call Park	NONE	01 02 03 ..... 98 99	4 seconds
			60 ~ 64 seconds	0 4 8 ..... 388 **NOTE** ~ ~ ~ ~ 4 8 12 ..... 392 **NOTE:** *When the timer data 99 is assigned, the call is not recalled. However, for Call Park-Tenant Set and Call Park-System Set, the call is re-called after 392-396 seconds.*	
	06	Recall Timing for Exclusive Hold/ Remote Hold	NONE	01 02 03 04 05 06 ..... 98 99	4 seconds
			236 ~ 240 seconds	0 4 8 12 16 20 ..... 388 **NOTE** ~ ~ ~ ~ ~ ~ ~ 4 8 12 16 20 24 ..... 392 **NOTE:** *When the timer data 99 is assigned, the call is not recalled.*	
	07	Recall Timing after station release for call transfer	NONE	01 02 03 04 05 06 ..... 29 30	4 seconds
			24 ~ 28 seconds	0 4 8 12 16 20 ..... 112 116 ~ ~ ~ ~ ~ ~ ~ ~ 4 8 12 16 20 24 ..... 116 120	

Continued on next page

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
0	09	Periodic Time Indication Tone	NONE	01 02 03 04 05 06 ..... 16 17	32 seconds
			192 ~ 196 seconds	32 64 96 128 160 192 ..... 512 544 ~ ~ ~ ~ ~ ~ ~ ~ 36 68 100 132 164 196 ..... 516 548	
	11	Attendant Recall of held call	NONE	01 02 03 04 05 06 ..... 13 14	2.4 seconds
			31.2 ~ 33.6 seconds	0 2.4 4.8 7.2 9.6 12.0 ..... 28.8 31.2 ~ ~ ~ ~ ~ ~ ~ ~ 2.4 4.8 7.2 9.6 12.0 14.4 ..... 31.2 33.6	
				15 16 17 18 19 24	9.6 seconds
				28.8 38.4 48.0 57.6 67.2 ..... 115.2 ~ ~ ~ ~ ~ ~ 38.4 48.0 57.6 67.2 76.8 ..... 124.8	
	13	Single digit dialing time-out (Timing Start)	NONE	03 04 05 06 07 08	1 second
			4 ~ 5 seconds	2 3 4 5 6 7 ~ ~ ~ ~ ~ ~ 3 4 5 6 7 8	
	14	DTMF signal width of Out Pulse-Long from Attendant Console	NONE	01 02 03 04 05 06 50	64 ms.
			512 ms.	64 128 192 256 320 384 3200	
	15	Elapsed time before Call Forwarding-No Answer for internal call and assisted call	NONE	01 02 03 04 05 06 ..... 29 30	4 seconds
			32 ~ 36 seconds	0 4 8 12 16 20 ..... 112 116 ~ ~ ~ ~ ~ ~ ~ ~ 4 8 12 16 20 24 ..... 116 120 **NOTE:** *For the timer of the second call forwarding, see CM41 Y=0>46.*	

Continued on next page

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
0	16	Unanswered timing for ACD/UCD Delay Announcement (for incoming trunk call) and Attendant Delay Announcement	NONE	01 02 03 30	4 seconds
			32 ~ 36 seconds	0 ~ 4, 4 ~ 8, 8 ~ 12 .....116 ~ 120	
		Maximum ACD/UCD call waiting time before either answer or abandonment for PEG count	NONE	01 02 03 30	
			32 ~ 36 seconds	0 ~ 4, 4 ~ 8, 8 ~ 12 .....116 ~ 120	
	20	Automatic Cancel Time for unanswered Paging call	NONE	01 02 03 04 05 06 .....14 15	1 minute
			5 minutes	1 2 3 4 5 6 .....14 15	
	22	Reorder tone time-out to enter Off Hook Alarm	NONE	01 02 03 04 05 06 07 08	4 seconds
			28 ~ 32 seconds	0 ~ 4, 4 ~ 8, 8 ~ 12, 12 ~ 16, 16 ~ 20, 20 ~ 24, 24 ~ 28, 28 ~ 32	
	23	Ringing duration of Automatic Wake-Up/ Timed Reminder call	NONE	02 03 04 05 06 07 08 14	4 seconds
			28 ~ 32 seconds	4 ~ 8, 8 ~ 12, 12 ~ 16, 16 ~ 20, 20 ~ 24, 24 ~ 28, 28 ~ 32 .....52 ~ 56	
	24	Announcement duration of Automatic Wake-Up/Timed Reminder call	NONE	02 03 04 05 06 07 08 99	4 seconds
			28 ~ 32 seconds	4 ~ 8, 8 ~ 12, 12 ~ 16, 16 ~ 20, 20 ~ 24, 24 ~ 28, 28 ~ 32 .....392 ~ 396	

Continued on next page

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
0	25	Recall interval for No Answer of Wake Up	NONE	01 02 03 04 05 06 .....29 30	1 minute
			1 minute	1 2 3 4 5 6 .....29 30	
	26	Automatic Recall Timing of Camp-On	NONE	01 02 03 04 05 15	8 seconds
			24 ~ 32 seconds	8 16 24 32 40 .....120 ~ ~ ~ ~ ~ ~ 16 24 32 40 48 128	
	27	Interdigit Pause on outgoing call	NONE	03 04 05 06 07 14	1 second
			7 seconds	3 4 5 6 7 14	
	33	Duration of music connection before DT connection in Automated Attendant	NONE	01 02 03 04 05 15	4 seconds
			16 ~ 24 seconds	0 4 8 12 16 .....56 ~ ~ ~ ~ ~ ~ 4 8 12 16 20 60	
	34	Timing before unanswered Automated Attendant call forwards	NONE	01 02 03 04 30	4 seconds
			32 ~ 36 seconds	0 4 8 12 .....116 ~ ~ ~ ~ ~ ~ 4 8 12 16 120	
	35	Number of call attempts by Timed Queue	NONE	01 02 03 07	1 time
			3 times	1 2 3 7	
	36	Interval Time between attempts for Timed Queue	NONE	11 12 13 31	4 seconds
			120 ~ 124 seconds	40 44 48 .....120 ~ ~ ~ ~ ~ ~ 44 48 52 124	

Continued on next page

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
0	37	Duration of call by Timed Queue	NONE	05 06 31	4 seconds
			32 seconds	20 24 124	
	38	Programmable Pause for System Speed Dialing/Station Speed Dialing BLADE RESET	NONE	00 01 02 03 04 05 06 07	1.5 seconds
			1.5 seconds	1.5 3.0 4.5 6.0 7.5 9.0 10.5 12.0 **NOTE:** *This pause is available by setting "D" in CM72, CM74.*	
	39	Timing of un-answered call after forwarding to prede-termined station in Automated Attendant	NONE	01 02 30	4 seconds
			32 ~ 36 seconds	0 4 .....116 ~ ~ ~ 4 8 120	
	41	PBX Dial In PBR Timer before receiving any digit	NONE	01 02 03 15	1 second
			5 ~ 6 seconds	0 1 2 .....14 ~ ~ ~ ~ 1 2 3 15	
	42	Timing of Call For-warding by Overflow for TAS Queue	NONE	01 02 98	4 seconds
			28 ~ 32 seconds	0 4 .....388 ~ ~ ~ 4 8 392	
	43	Dial Tone timeout in Automated Attendant	NONE	01 02 03 14	1 second
			14 seconds	1 2 3 14	
	44	Prepause Timer for VMS	NONE	00 01 02 03 04 05 06 07 08	1 second (01-12) -0.5 seconds (13)
			1 second	0 1 2 3 4 5 6 7 8	
				09 10 11 12 13	
				9 10 11 12 0.5	

Continued on next page

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
0	45	Announcement Service Timer	NONE	01 02 99	4 seconds
			60 ~ 64 seconds	0 4 .....392 ~ ~ ~ 4 8 .....396 **NOTE:** *When CM49 Y=00: 2300 is set, an announcement connection is automatically disconnected after elapse of time set by this command.*	
	46	Timing of Multiple Call Forwarding No Answer after second forwarding	NONE	01 02 03 .....29 30	4 seconds
			32 ~ 36 seconds	0 4 8 .....112 116 ~ ~ ~ ~ ~ 4 8 12 .....116 120	
	47	Interval Time of ACD/UCD Delay Announcement (for incoming trunk call)/ Attendant Delay Announcement	NONE	01 02 30	4 seconds
			32 ~ 36 seconds	0 4 .....116 ~ ~ ~ 4 8 120	
	48	DTMF Signal Width for VMS	NONE	00 01	64 ms.
			128 ms.	64 128	
	49	DTMF Interdigit Pause for VMS	NONE	00 01 02 03 04 05 06 07	32 ms. (00-01) 16 ms. (01-02) 20 ms. (02-04) 40 ms. (04-07)
			160 ms.	32 64 80 100 120 160 200 240	
	50	Timing Start when making ISDN call from station	NONE	03 04 05 14	1 second
			10 seconds	3 4 5 14	

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COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
0	51	Message Replay Timer for Automated Attendant	NONE	01 02 03 31	4 seconds
			64 ~ 68 seconds	4 8 12 .....124 ~ ~ ~ ~ 8 12 16 .....128 **NOTE:** *In case that the recording time of Voice Response System is shorter than the time assigned by command (CM41Y=0>51), Voice Response System will be released when the message reply is finished (The message reply will not be repeated).*	
	52	Message Replay Timer for Automatic Wake Up/Timed Reminder	NONE	01 02 03 99	4 seconds
			60 ~ 64 seconds	0 4 8 .....392 ~ ~ ~ ~ 4 8 12 396	
	53	Message Replay Timer for Announcement Service	NONE	01 02 03 99	4 seconds
			60 ~ 64 seconds	0 4 8 .....392 ~ ~ ~ ~ 4 8 12 396	
	54	Forced release timing for tandem connection	NONE	01 02 03 06	32 minutes
			96 ~ 128 minutes	32 64 96 .....192 ~ ~ ~ ~ 64 96 128 .....224 **NOTE:** *With this timing, the tandem connection is released, unless the incoming trunk does not receive the release signal.*	
	55	Forced release timing for unanswered call with tandem connection or trunk to trunk connection when a station holds another station/trunk	NONE	01 02 03 04 13	4 seconds
			20 ~ 24 seconds	8 12 16 20 .....56 ~ ~ ~ ~ ~ 12 16 20 24 .....60 **NOTE:** *This data is available when the incoming trunk cannot receive a release signal.*	

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COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
0	56	Message replay timer/ tone sending timer in the OAI terminal mode	NONE	01 02 03 99	4 seconds
			20 ~ 24 seconds	0 4 8 .....392 ~ ~ ~ ~ 4 8 12 396	
	57	Timing Start when making an ISDN Tandem call	NONE	03 04 05 14	1 second
			10 seconds	3 4 5 14	
	58	Preservation time for a message set by Voice Message Waiting Service-Individual	NONE	01 02 03 31	1 day
			7 days	1 2 3 .....31 **NOTE:** *Voice Message Waiting Service-Individual All Clear clears messages exceeding the term.*	
	59	Time before answering by Automated Attendant	NONE	00 01 02 08	4 seconds
			4 ~ 8 seconds	0 0.5 4 .....28 ~ ~ ~ ~ 4 8 32	
	60	Status Change Rebound Guard Timer	NONE	00 01 02 40	80 ms.
			1120 ~ 1200 ms.	0 80 160 .....3200 ~ ~ ~ ~ 80 160 240 3280	
	61	Path On Delay timer when answering incoming trunk call	NONE	01 02 03 14	160 ms.
			320 ~ 480 ms.	0 160 320 .....2080 ~ ~ ~ ~ 160 320 480 2240	

Continued on next page

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
0	62	SST Sending Timer when accessing Paging Trunk	NONE	01 02 03 14	480 ms.
			1440 ~ 1920 ms.	0 480 960 .....6240 ~ ~ ~ ~ 480 960 1140 6720	
	63	Time Out Check when detecting PBR	NONE	00 01 02 03.....30	80 ms.
			2400 ~ 2480 ms.	No 0 80 160 .....2320 ~ ~ ~ ~ Check 80 160 240 2400	
	64	PBR Timer when accessing trunk	NONE	01 02 03 09	14 seconds
			14 seconds	14 28 42 126	
	65	OAI SCF Ringing Timer	NONE	01 02 99	4 seconds
			28 ~ 32 seconds	0 4 .....392 ~ ~ ~ ~ 4 8 396	
	66	Message duration of UCD Overflow Announcement	NONE	01 02 99	4 seconds
			60 ~ 64 seconds	0 4 .....392 ~ ~ ~ ~ 4 8 396	
	67	UCD Delay Announcement (for incoming trunk call)/ Attendant Delay Announcement/OAI Announcement Connection Timer	NONE	01 02 03 99	4 seconds
			8 ~ 12 seconds	0 4 8 .....392 ~ ~ ~ ~ 4 8 12 396	

Continued on next page

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
0	69	Recall interval timer of built-in modem on CPU	NONE	45 46 99	4 seconds
			304 seconds	180 184 396	
	75	Message duration for Announcement Service-Standard SIP station, Standard SIP station Busy	NONE	01 02 99	4 seconds
			116 ~ 120 seconds	4 8 396	
	81	Overlap Sending Mode timer for ISDN telephone	NONE	03 04 05 60	1 second
			6 ~ 7 seconds	3 4 5 60	
	84	Message duration for Announcement-Standard SIP station Off Hook/Power Off/ Cable Pulled Out	NONE	01 02 99	4 seconds
			116 ~ 120 seconds	0 4 .....392 ~ ~ ~ 4 8 396	
	85	Message reply timer for Power Off and Standard SIP station Off Hook/Power Off/ Cable Pulled Out	NONE	01 02 99	4 seconds
			8 ~ 12 seconds	0 4 .....392 ~ ~ ~ 4 8 .....396 **NOTE:** *Set this data within the range from 01 (0-4 sec.) to 07 (24-28 sec.) for Standard SIP station. This service is not effective when this data is set to 08 and over.*	
	86	Message reply timer for Standard SIP station No Answer	NONE	01 02 99	4 seconds
			36 ~ 40 seconds	0 4 .....392 ~ ~ ~ 4 8 .....396 **NOTE:** *Effective only when CM08>085: 0.*	

Continued on next page

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
0	97	Timer of Dial Tone sending after Off-Hook	NONE	05 06 07 30	1 second
			14 seconds	5 6 7 30	
	100	Elapsed time before Call Forwarding-No Answer for trunk incoming call	NONE	01 02 03 04 05 06 .....29 30	4 seconds
			32 ~ 36 seconds	0 4 8 12 16 20 .....112 116 ~ ~ ~ ~ ~ ~ ~ ~ 4 8 12 16 20 24 .....116 120 **NOTE:** *For the timer of the second call forwarding, see CM41 Y=0>46.*	
	101	Elapsed time before Call Forwarding-No Answer for internal call and assisted call	NONE	01 02 03 04 05 06 .....29 30	4 seconds
			32 ~ 36 seconds	0 4 8 12 16 20 .....112 116 ~ ~ ~ ~ ~ ~ ~ ~ 4 8 12 16 20 24 .....116 120 **NOTE:** *For the timer of the second call forwarding, see CM41 Y=0>46.*	
	102	Call Forwarding-Logout (IP Station) Announcement Timer	NONE	01 02 99	4 seconds
			116 ~ 120 seconds	0 4 .....392 ~ ~ ~ 4 8 396	
	104	PBR timer when establishing tandem connection to CCIS/SIP	NONE	02 03 04 99	1 second
			7 seconds	2 3 4 .....99 **NOTE:** *Assign the value which exceeds the maximum value of timer set by CMA7 Y=10/CMBA Y=90.*	
	105	SPDT Timer after Hooking	NONE	10 11 12 60	1 second
			15 seconds	10 11 12 60	
	107	Inter-digit Pause on system basis	NONE	01 02 03 04 05 06 07	16/32/48 ms.
			–	64 80 96 128 160 192 240	

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COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
0	109	PBR timer for ETSI ISDN Overlap Receiving	NONE	03 04 05 99	1 second
			6 seconds	3 4 5 99	
	111	PBR timer when sending LCR	NONE	02 03 04 15	1 second
			7 seconds	2 3 4 15	
	112	PBR timer/T302 timer for Overlap Receiving-Q-SIG **[For EMEA]**	NONE	03 04 05 99	1 second
			6 seconds	3 4 5 99	
	114	Timer A of warning SST sending for forced release	NONE	01 02 03 99	64 seconds
			–	64 128 192 .....6336 **NOTE:** *Set the time from the start of communications to the warning SST is sent.* *Forced release is executed at 16 seconds later from the warning SST is sent.*	
	115	Timer B of warning SST sending for forced release	NONE	01 02 03 99	64 seconds
			–	64 128 192 .....6336 **NOTE:** *Set the time from the start of communications to the warning SST is sent.* *Forced release is executed at 16 seconds later from the warning SST is sent.*	
	116	Timer C of warning SST sending for forced release	NONE	01 02 03 99	64 seconds
			–	64 128 192 .....6336 **NOTE:** *Set the time from the start of communications to the warning SST is sent.* *Forced release is executed at 16 seconds later from the warning SST is sent.*	
	117	Interdigit Pause for outgoing call of Trunk Route	NONE	01 02 03 99	1 second
			99 seconds	1 2 3 .....99 **NOTE:** *Effective only when CM35 Y=250: 0.*	

Continued on next page

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
0	119	Delayed Hotline activation timer	NONE	01 02 03 30	1 second
			10 seconds	1 2 3 30	
	120	Forced release timer when the Paging Station [PGD(2)-U10 ADP] is not released	NONE	00 02 03 99	4 seconds
			180 seconds	0 4 8 .....396 **NOTE:** *When this data is set to "00", forced release is not executed.*	
	123	Timing of Caller ID station until sending Caller ID signal after the first ringer begins to send (RESET)	NONE	00 01 02 25	100 ms.
			1500 ms. (CM08>592: 0)/ 2500 ms. (CM08>592: 1)	0 100 200 2500	
	130	Expire value for DT700/DT800/DT900 Series REGISTER (Day)	NONE	00 01 02 99	1 day
			7 minutes	0 1 2 99	
				NOTE 1: *Usually, this data setting is not required.* **NOTE 2:** *This data implies the expire value for the DT700/DT800/DT900 Series REGISTER (terminal registration) and is set by the combination of CM41 Y=0>130-132 (day/hour/minute).* *When CM41 Y=0>130-132 (day/hour/minute) are all set to NONE, the expire value "7 minutes" is set as default.* **NOTE 3:** *The DT700/DT800/DT900 Series updates the REGISTER at half interval of the value set by this data.* **NOTE 4:** *The load to SV9300 increases if small amount of data (such as 1 minute) is set. Therefore, it is recommended to set the value more than 7 minutes.* **NOTE 5:** *After setting this data, a reset of the terminal is required.*	
	131	Expire value for DT700/DT800/DT900 Series REGISTER (Hour)	NONE	00 01 02 23	1 hour
			7 minutes	0 1 2 .....23 **NOTE:** *See **NOTE 1** through **NOTE 5** on CM41 Y=0>130.*	

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COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
0	132	Expire value for DT700/DT800/DT900 Series REGISTER (Minute)	NONE	00 01 02 59	1 minute
			7 minutes	0 1 2 .....59 **NOTE:** *See **NOTE 1** through **NOTE 5** on CM41 Y=0>130.*	
	133	Expire value for DT700/DT800/DT900 Series SUBSCRIBE for Server (Day)	NONE	00 01 02 99	1 day
			1 hour	0 1 2 99	
			NOTE 1: *Usually, this data setting is not required.* **NOTE 2:** *This data implies the expire value for the DT700/DT800/DT900 Series SUBSCRIBE (terminal control signal from DT700/DT800/DT900 Series to SV9300) and is set by the combination of CM41 Y=0>133-135 (day/hour/minute). When CM41 Y=0>133-135 (day/hour/minute) are all set to NONE, the expire value "3600 seconds" is set as default.* **NOTE 3:** *The DT700/DT800/DT900 Series updates the SUBSCRIBE at half interval of the value set by this data.* **NOTE 4:** *The load to SV9300 increases if small amount of data (such as 1 minute) is set. Therefore, it is recommended to set the value to 1 hour or more.* **NOTE 5:** *After setting this data, a reset of the terminal is required.*		
	134	Expire value for DT700/DT800/DT900 Series SUBSCRIBE for Server (Hour)	NONE	00 01 02 23	1 hour
			1 hour	0 1 2 .....23 **NOTE:** *See **NOTE 1** through **NOTE 5** on CM41 Y=0>133.*	
	135	Expire value for DT700/DT800/DT900 Series SUBSCRIBE for Client (Minute)	NONE	00 01 02 59	1 minute
			1 hour	0 1 2 .....59 **NOTE:** *See **NOTE 1** through **NOTE 5** on CM41 Y=0>133.*	

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COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
0	136	Expire value for DT700/DT800/DT900 Series SUBSCRIBE for Client (Day)	NONE	00 01 02 99	1 day
			1 hour	0 1 2 99	
			NOTE 1: *Usually, this data setting is not required.* **NOTE 2:** *This data implies the expire value for the DT700/DT800/DT900 Series SUBSCRIBE (terminal control signal from SV9300 to DT700/DT800/DT900 Series) and is set by the combination of CM41 Y=0>136-138 (day/hour/minute). When CM41 Y=0>136-138 (day/hour/minute) are all set to NONE, the expire value "3600 seconds" is set as default.* **NOTE 3:** *The DT700/DT800/DT900 Series updates the SUBSCRIBE at half interval of the value set by this data.* **NOTE 4:** *The load to SV9300 increases if small amount of data (such as 1 minute) is set. Therefore, it is recommended to set the value more than 1 hour (3600 seconds).* **NOTE 5:** *After setting this data, a reset of the terminal is required.*		
	137	Expire value for DT700/DT800/DT900 Series SUBSCRIBE for Client (Hour)	NONE	00 01 02 23	1 hour
			1 hour	0 1 2 .....23 **NOTE:** *See **NOTE 1** through **NOTE 5** on CM41 Y=0>136.*	
	138	Expire value for DT700/DT800/DT900 Series SUBSCRIBE for Client (Minute)	NONE	00 01 02 59	1 minute
			1 hour	0 1 2 .....59 **NOTE:** *See **NOTE 1** through **NOTE 5** on CM41 Y=0>136.*	
	140	Conference (built-in on CPU) timing of group call conference-No answer	NONE	01 02 03 99	4 seconds
			36 seconds	4 8 12 396	

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COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
0	141	Conference (built-in on CPU) forced release timer	NONE	01 02 03 24	1 hour
			7 hours	1 2 3 24	
			NOTE: *If this data is set to "00", forced release is not provided.*		
	142	D11 data receiving time after PSW (For DLC) BLADE RESET	NONE	03 04 05 30	1 ms.
			3 ms.	3 4 5 30	
			NOTE: *When DESKCON is accommodated, set this data to "06".*		
	144	Interval Time of Blade Locking up check	NONE	01 02 03 10	8.6 seconds
			25.8 seconds	8.6 17.2 25.8.....86	
			NOTE 1: *When no signal return from blade during four intervals of transmission cycle, the system judges that the blade is locked up and the blade reset is executed. When this data is set to default, the blade reset is executed about 100 (25.8 by four) seconds later after locked up.* **NOTE 2:** *This data is effective when CM08>921 is set to "1".*		
	145	Timer that monitors a start of DT300/ DT400/DT500/ DT700/DT800/ DT900 Series	NONE	03 04 05 20	1 minute
			3 minutes	3 4 5 20	
			NOTE 1: *This data is effective only for power failure transfer with a BRT.* **NOTE 2:** *When a power failure is returned to normal condition while DT300/DT400/DT500/DT700/DT800/DT900 Series-terminal is used, the call is kept for a duration assigned by this command. (When the timer expires, the call is automatically disconnected.)*		

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COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
0	151	Periodic registration timer for Standard SIP station - Day RESET	NONE	00 01 02 99	1 day
			0 day	0 1 2 99	
			NOTE 1: *Be sure to reset Standard SIP station when this data setting is changed.* **NOTE 2:** *This data is set by the combination of CM41 Y=0>151-153 (day/hour/minute). When CM41 Y=0>151-153 (day/hour/minute) are all set to NONE, the expire value "1 hour" is set as default.* **NOTE 3:** *The minimum value of the periodic registration timer for Standard SIP station is "3 minutes" (when less than 3 minutes is set to the second data of CM41 Y=0>151-153 respectively, "1 hour" is set as the periodic registration timer).*		
	152	Periodic registration timer for Standard SIP station - Hour RESET	NONE	00 01 02 23	1 hour
			1 hour	0 1 2 23	
			NOTE: *See **NOTE 1** through **NOTE 3** on CM41 Y=0>151.*		
	153	Periodic registration timer for Standard SIP station - Minute RESET	NONE	00 01 02 59	1 minute
			0 minute	0 1 2 59	
			NOTE: *See **NOTE 1** through **NOTE 3** on CM41 Y=0>151.*		
	155	Release timer when calling to Standard SIP station for a long call duration	NONE	03 04 05 99	1 minute
			30 minutes	3 4 5 99	
			NOTE 1: *When this data is set to "00", the release timer is ineffective.* **NOTE 2:** *This data is reflected immediately after the data setting. However, the set timer before change remains as for a preset Long Call Duration Release Timer for Standard SIP station.*		

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COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
0	159	Timing until sending the reverse signal to Standard SIP station	NONE	00 01 02 99	4 seconds
			Not sent	Not sent 4 8 396	
			NOTE 1: *This timer data is used for setting the timing of pseudo-answer signal to Standard SIP station when a replying signal from the opposite system is not received after sending an outgoing call from Standard SIP station (such as a toll-free call).* **NOTE 2:** *When this timer data is "00", no pseudo-answer signal is sent.*		
	161	Timer for Call Forwarding-No Answer for call forwarding in Mobility Access mode	NONE	01 02 03 30	4 seconds
			32-36 seconds	0 4 8 .....116 ~ ~ ~ ~ 4 8 12 120	
	162	Dual ringing starting timer while an alert from network is not received	NONE	01 02 03 60	1 second
			8 seconds	1 2 3 60	
			NOTE: *Dual ringing timer is not started when this data is set to "00".*		
	163	DTMF Caller ID received timer	NONE	01 02 03 15	4 seconds
			4-8 seconds	0 4 8 .....56 ~ ~ ~ ~ 4 8 12 60	
	164	Message on Hold Service with VRS guard timer (Related command: CM49 Y=00: 0500)	NONE	01 02 03 12	10 minutes
			30 minutes	10 20 30 120	

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COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
0	165	Remote maintenance permission timer	NONE	01 02 03 ..... 20 21 22 23	10 minutes (02-20)
			5 minutes	10 20 30 ..... 200 360 720 1440	
				NOTE 1: *Remote maintenance permission timer is not started up when this data is set to "00".* **NOTE 2:** *The Permission timer is started to count down in concurrence with pushing down the key of remote maintenance (assigned by CM90 Y=00: F1364), and the restriction of remote maintenance is started after the elapse of the time assigned by this data.*	
	166	Interval of session timer for standard SIP station	NONE	02 03 04 99	1 minute (02-99)
			3 minutes	2 3 4 99	
				NOTE 1: *When this data is set to "00", this session timer is set to 1 day (1440 minutes).* **NOTE 2:** *When this data is set to "01", this session timer is set to 90 seconds.* **NOTE 3:** *Assign this data to the same data of the session timer of the terminal.*	
	167	Unanswered timing for UCD Delay Announcement (for Station call) waiting time before either answer or abandonment for PEG count	NONE	01 02 ..... 29 30	4 seconds
			32-36 seconds	0 4 ..... 112 116 ~ ~ ~ ~ 4 8 ..... 116 120	
	168	Interval Time of UCD Delay Announcement (for Station call)	NONE	01 02 ..... 29 30	4 seconds
			32-36 seconds	0 4 ..... 112 116 ~ ~ ~ ~ 4 8 ..... 116 120	

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COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
0	169	UCD Delay Announcement (for Station call) Connection Timer	NONE	01 02 ..... 98 99	4 seconds
			8-12 seconds	0 4 ..... 388 392 ~ ~ ~ ~ 4 8 ..... 392 396	
	208	Time to start the 1st VRS Waiting Message from Incoming (Announcement Service Start after Call Termination)	NONE	01 02 03 30	4 seconds
			4-8 seconds	0 4 8 ..... 116 ~ ~ ~ ~ 4 8 12 120	
	209	Time to start the 1st VRS Waiting Message from Incoming (Greeting Mode)	NONE	01 02 03 30	4 seconds
			4-8 seconds	0 4 8 ..... 116 ~ ~ ~ ~ 4 8 12 120	
	210	Hold-tone timer between the 1st and the 2nd VRS Waiting Message	NONE	01 02 03 30	4 seconds
			32-36 seconds	0 4 8 ..... 116 ~ ~ ~ ~ 4 8 12 120	
	212	Time to start the Chime for Speaker Paging	NONE	01 02 03 20	1 seconds
			Immediate Start	1 2 3 ..... 20 ~ ~ ~ ~ 1 2 3 20	
			NOTE 1: *Because this timer does not need any change in normal operations, keep it to the default setting.* **NOTE 2:** *This data is effective only for paging, and not effective for a chime sound sending with time specification.* **NOTE 3:** *Some paging devices may need some time between a calling and a response, causing a situation where a beginning part of a chime cannot be heard. In such a case, make an adjustment using this timer.*		

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COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
0	214	Guide announcement time of Wake Up Call/ Timed Reminder setup operation (Related command: CM48 Y=1>01) **[9300V3]**	NONE	02 03 04 30	4 seconds
			32-36 seconds	4 8 12 .....116 ~ ~ ~ ~ 8 12 16 120	
	215	Time to be effective Call Back to Mobile Phone **[9300V3]**	NONE	01 02 03 08	4 seconds (02-08)
			4-8 seconds	0.5 4 8 .....28 ~ ~ ~ ~ 4 8 12 32	
			NOTE 1: *Set the timer value of this command shorter than the time before answering by Automated Attendant (assigned by CM41 Y=0>59).* ☞ *See CM41 Y=0>59.* **NOTE 2:** *Call Back to Mobile Phone is executed when calling to the system and disconnecting the call within the setting time of this command.*		
	216	Automatic logout timer for User Web Portal **[9300V3]**	NONE	01 02 03 14	1 hour
			0.5 hours	1 2 3 14	
			NOTE: *A timer value indicates non-operation time after logging in. Web Server reset is required to activate a change to this data.* ☞ *See CME0 Y=C*		
	217	Snooze interval **[9300V3]**	NONE	05 06 07 30	1 minute
			10 minutes	5 6 7 30	
	218	Announce time for Wake Up Call with Snooze **[9300V3]**	NONE	02 03 04 99	4 seconds
			28-32 seconds	4 8 12 .....392 ~ ~ ~ ~ 8 12 16 396	

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COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
0	219	Time to wait Call Back to Mobile Phone execution **[9300V3]**	NONE	00 01 02 10	1 second
			1 second	0 1 2 10	
			NOTE: *For normal operation, remain at the default setting because changing this data is not required. Depending on the conditions of Mobile Phone and a network side, there is a case that the system does not callback to Mobile Phone due to take time until call termination becomes available after disconnection operation by Mobile Phone. In this case, adjust the time by this command.*		
	223	Message reply timer for PUSH Notification request **[9300V6]**	NONE	02 03 04 32	1 second
			8 second	2 3 4 32	
			NOTE: *Usually, this data setting is not required.*		

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COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y=1

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
1	09	Delayed Ringing Timer	NONE	01 02 03 20	2048 ms.
			10240 ms.	2048 4096 6144 40960	
	11	LCD Display priority on the middle line of the Multiline Terminal **[North America Only]**	NONE	01	–
			OAI application request	PBX request	
	20	On-Hook Detect Timer (BLADE RESET)	NONE	01 02 03 60	20 ms.
			700 ms.	20 40 60 1200	
			NOTE: *In some commercially available terminals, the hooking time is longer than the On-hook detecting time, thus a Hooking may be wrongly detected as an On-hook, preventing a transfer operation. In such a case, adjust the timer data to 50 (1000ms) or near offer in accordance with the terminal specifications.*		
	21	Momentary Open Controlled Timer	NONE	01 02 03 40	50 ms.
			500 ms. (Momentary Reverse)/ 800 ms. (disconnect)	50 100 150 2000	
	22	SLT hook flash Detect minimum timer (BLADE RESET)	NONE	01 02 03 60	20 ms.
			105 ms.	20 40 60 1200	
	23	SLT hook flash bounce guard timer (BLADE RESET)	NONE	01 02 03 60	20 ms.
			400 ms.	20 40 60 1200	

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COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER			INCREMENT UNIT
1	24	SLT DP minimum break timer (BLADE RESET)	NONE	01	02	03 60	20 ms.
			10 ms.	20	40	60 1200	
	25	SLT DP maximum break timer (BLADE RESET)	NONE	01	02	03 60	20 ms.
			100 ms.	20	40	60 1200	
	26	SLT DP minimum make timer (BLADE RESET)	NONE	01	02	03 60	20 ms.
			10 ms.	20	40	60 1200	
	27	SLT DP maximum make timer (BLADE RESET)	NONE	01	02	03 60	20 ms.
			100 ms.	20	40	60 1200	

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COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y=2

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
2	50	C.O. Trunk Termination Detect Timer (BLADE RESET)	NONE	01 02 03 99	8 ms.
			224 ms.	8 16 24 792	
	51	Single Ringing Detect Timer (BLADE RESET)	NONE	01 02 03 .....98 99	16 ms. (01-98)
			1200 ms.	16 32 48 .....1568 2040	
	52	Double Ringing Detect Timer (Minimum Time) (BLADE RESET)	NONE	01 02 03 .....98 99	16 ms. (01-98)
			104 ms.	16 32 48 .....1568 2040	
	53	Double Ringing Detect Timer (Maximum Time) (BLADE RESET)	NONE	01 02 03 .....98 99	16 ms. (01-98)
			400 ms.	16 32 48 .....1568 2040	
	54	Minimum time between Ringing (Single/Double Ringing) (BLADE RESET)	NONE	01 02 03 .....98 99	16 ms. (01-98)
			704 ms.	16 32 48 .....1568 2040	
	55	Incoming Ring Down Abandonment Detect Timer (BLADE RESET)	NONE	01 02 03 .....98 99	128 ms. (01-98)
			3008 ms.	128 256 384 .....12544 16320	
	56	Hook Flash Sending Timer from COT (BLADE RESET)	NONE	01 02 03 .....98 99	32 ms. (01-98)
			640 ms.	32 64 96 .....3136 4080	
	57	COT Ground Sending Timer (BLADE RESET)	NONE	01 02 03 .....98 99	32 ms. (01-98)
			144 ms.	32 64 96 .....3136 4080	

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COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
2	58	COT Ground Starting Timer (BLADE RESET)	NONE	01 02 03 .....98 99	8 ms. (01-98)
			48 ms.	8 16 24 .....784 2040	
	59	OD Trunk Answer Detect Time (BLADE RESET)	NONE	01 02 03 .....98 99	20 ms. (01-98)
			60 ms.	20 40 60 .....1960 2550	
	60	OD Trunk Release Detect Timer (BLADE RESET)	NONE	01 02 03 .....98 99	200 ms. (01-98)
			700 ms.	200 400 600 .....19600 25500	
	61	OD Trunk Termination Detect Timer (BLADE RESET)	NONE	01 02 03 .....98 99	20 ms. (01-98)
			100 ms.	20 40 60 .....1960 2550	
	62	OD Trunk Wink signal sending time for connection check (BLADE RESET)	NONE	01 02 03 .....98 99	20 ms. (01-98)
			200 ms.	20 40 60 .....1960 2550	
	63	OD Trunk Delay Signal Timer out (BLADE RESET)	NONE	01 02 03 .....98 99	20 ms. (01-98)
			200 ms.	20 40 60 .....1960 2550	
	64	LD Trunk Answer Detect Timer (BLADE RESET)	NONE	01 02 03 .....98 99	20 ms. (01-98)
			60 ms.	20 40 60 .....1960 2550	
	65	LD Trunk Release Detect Timer (BLADE RESET)	NONE	01 02 03 .....98 99	200 ms. (01-98)
			700 ms.	200 400 600 .....19600 25500	
	66	LD Trunk Termination Detect Timer (BLADE RESET)	NONE	01 02 03 .....98 99	20 ms. (01-98)
			100 ms.	20 40 60 .....1960 2550	

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COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
2	67	LD Wink signal sending time for connection check (BLADE RESET)	NONE	01 02 03 .....98 99	20 ms. (01-98)
			200 ms.	20 40 60 .....1960 2550	
	68	LD Trunk Delay Signal Timer out (BLADE RESET)	NONE	01 02 03 .....98 99	20 ms. (01-98)
			200 ms.	20 40 60 .....1960 2550	
	69	COT Ringing Detect Timer (BLADE RESET)	NONE	01 02 03 20	480 ms.
			4800 ms.	480 960 1440 9600	
	70	OD Receive Wink/ Delay Duration Minimum Time (BLADE RESET)	NONE	01 02 03 .....98 99	20 ms. (01-98)
			130 ms.	20 40 60 .....1960 2550	
	71	OD Receive Wink/ Delay Duration Maximum Time (BLADE RESET)	NONE	01 02 03 .....98 99	20 ms. (01-98)
			500 ms.	20 40 60 .....1960 2550	
	72	LD Receive Wink/ Delay Duration Minimum Time (BLADE RESET)	NONE	01 02 03 .....98 99	20 ms. (01-98)
			130 ms.	20 40 60 .....1960 2550	
	73	LD Receive Wink/ Delay Duration Maximum Time (BLADE RESET)	NONE	01 02 03 .....98 99	20 ms. (01-98)
			500 ms.	20 40 60 .....1960 2550	
	74	OD Wink/Delay Sending start Time after Incoming (BLADE RESET)	NONE	01 02 03 .....98 99	100 ms. (01-98)
			100 ms.	100 200 300 .....9800 25500	

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COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
2	75	OD Wink/Delay Receive Timer out (BLADE RESET)	NONE	01 02 03 .....98 99	200 ms. (01-98)
			4800 ms.	200 400 600 .....19600 25500	
	76	LD Wink/Delay Sending start Time after Incoming (BLADE RESET)	NONE	01 02 03 .....98 99	100 ms. (01-98)
			300 ms.	100 200 300 .....9800 25500	
	77	LD Wink/Delay Receive Timer out (BLADE RESET)	NONE	01 02 03 .....98 99	200 ms. (01-98)
			4800 ms.	200 400 600 .....19600 25500	
	80	OD Receive DP Make Minimum Time (BLADE RESET)	NONE	01 02 03 .....98 99	2 ms. (01-98)
			10 ms.	2 4 6 .....196 510	
	81	OD Receive DP Make Maximum Time (BLADE RESET)	NONE	01 02 03 .....98 99	2 ms. (01-98)
			100 ms.	2 4 6 .....196 510	
	82	OD Receive DP Break Minimum Time (BLADE RESET)	NONE	01 02 03 .....98 99	2 ms. (01-98)
			10 ms.	2 4 6 .....196 510	
	83	OD Receive DP Break Maximum Time (BLADE RESET)	NONE	01 02 03 .....98 99	2 ms. (01-98)
			100 ms.	2 4 6 .....196 510	
	84	LD Receive DP Make Minimum Time (BLADE RESET)	NONE	01 02 03 .....98 99	2 ms. (01-98)
			10 ms.	2 4 6 .....196 510	
	85	LD Receive DP Make Maximum Time (BLADE RESET)	NONE	01 02 03 .....98 99	2 ms. (01-98)
			100 ms.	2 4 6 .....196 510	

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COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
2	86	LD Receive DP Break Minimum Time (BLADE RESET)	NONE	01 02 03 .....98 99	2 ms. (01-98)
			10 ms.	2 4 6 .....196 510	
	87	LD Receive DP Break Maximum Time (BLADE RESET)	NONE	01 02 03 .....98 99	2 ms. (01-98)
			100 ms.	2 4 6 .....196 510	

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COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y=3

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
3	20	Answer Signal Detect Timing on DTI (T1 1.5 Mbps) trunk (BLADE RESET)	NONE	01 02 03 .....98 99	8 ms. (01-98)
			60 ms.	8 16 24 .....784 1020	
	21	Release Signal Detect Timing on DTI (T1 1.5 Mbps) trunk (BLADE RESET)	NONE	01 02 03 .....98 99	200 ms. (01-98)
			600 ms.	200 400 600 .....19600 25500	
	22	Ring Signal Detect Timing for DTI (T1 1.5 Mbps) trunk (BLADE RESET)	NONE	01 02 03 .....98 99	16 ms. (01-98)
			80 ms.	16 32 48 .....1568 2040	
	23	DTI (T1 1.5 Mbps) Wink signal sending time for connection check (BLADE RESET)	NONE	01 02 03 .....98 99	16 ms. (01-98)
			200 ms.	16 32 48 .....1568 2040	
	24	DTI (T1 1.5 Mbps) Trunk Wink/ Delay Signal Time out (BLADE RESET)	NONE	01 02 03 .....98 99	16 ms. (01-98)
			200 ms.	16 32 48 .....1568 2040	
	25	DTI (T1 1.5 Mbps) Receive Wink duration minimum time (BLADE RESET)	NONE	01 02 03 .....98 99	16 ms. (01-98)
			100 ms.	16 32 48 .....1568 2040	
			NOTE: *When providing Delay Dial, set the second data to 01 (16ms).*		
	26	DTI (T1 1.5 Mbps) Receive Wink duration maximum time (BLADE RESET)	NONE	01 02 03 .....98 99	16 ms. (01-98)
			500 ms.	16 32 48 .....1568 2040	

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COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
3	30	Loop Current Detect Timing for DTI (E1 2 Mbps) trunk (BLADE RESET)	NONE	01 02 03 .....98 99	16 ms. (01-98)
			48 ms.	16 32 48 .....1568 4080	
	31	Clear Signal Detect Timing for DTI (E1 2 Mbps) trunk (BLADE RESET)	NONE	01 02 03 .....98 99	16 ms. (01-98)
			400 ms.	16 32 48 .....1568 2040	
	32	DTI (E1 2 Mbps) trunk Transmit clear signal time for Forced Release (BLADE RESET)	NONE	01 02 03 .....98 99	32 ms. (01-98)
			800 ms.	32 64 96 .....3136 4080	
	33	DTI (E1 2 Mbps) trunk Transmit Answer duration time (BLADE RESET)	NONE	01 02 03 .....98 99	16 ms. (01-98)
			304 ms.	16 32 48 .....1568 2040	
	34	DTI (E1 2 Mbps) trunk Transmit Double Answer duration time (BLADE RESET)	NONE	01 02 03 .....98 99	128 ms. (01-98)
			2048 ms.	128 256 384 .....12544 16320	
	35	DTI (E1 2 Mbps) trunk Receive Answer minimum time (BLADE RESET)	NONE	01 02 03 .....98 99	16 ms. (01-98)
			200 ms.	16 32 48 .....1568 2040	
	36	DTI (E1 2 Mbps) trunk Receive Answer maximum time (BLADE RESET)	NONE	01 02 03 .....98 99	128 ms. (01-98)
			400 ms.	128 256 384 .....12544 16320	

Continued on next page

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
3	37	DTI (E1 2 Mbps) trunk Receive Double Answer minimum time (BLADE RESET)	NONE	01 02 03 .....98 99	128 ms. (01-98)
			1536 ms.	128 256 384 .....12544 16320	
	38	DTI (E1 2 Mbps) trunk Receive Double Answer maximum time (BLADE RESET)	NONE	01 02 03 .....98 99	128 ms. (01-98)
			3008 ms.	128 256 384 .....12544 16320	
	39	DTI (E1 2 Mbps) trunk Transmit Seizure Acknowledge duration time (BLADE RESET)	NONE	01 02 03 .....98 99	8 ms. (01-98)
			100 ms.	8 16 24 .....784 1020	
	40	DTI (E1 2 Mbps) trunk Receive Seizure Acknowledge minimum time (BLADE RESET)	NONE	01 02 03 .....98 99	8 ms. (01-98)
			100 ms.	8 16 24 .....784 1020	
	41	DTI (E1 2 Mbps) trunk Receive Seizure Acknowledge maximum time (BLADE RESET)	NONE	01 02 03 .....98 99	8 ms. (01-98)
			300 ms.	8 16 24 .....784 1020	
	42	DTI (E1 2 Mbps) trunk Transmit Digit Acknowledge duration time (BLADE RESET)	NONE	01 02 03 .....98 99	8 ms. (01-98)
			100 ms.	8 16 24 .....784 1020	

Continued on next page

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
3	43	DTI (E1 2 Mbps) trunk Receive Digit Acknowledge minimum time (BLADE RESET)	NONE	01 02 03 .....98 99	8 ms. (01-98)
			100 ms.	8 16 24 .....784 1020	
	44	DTI (E1 2 Mbps) trunk Receive Digit Acknowledge maximum time (BLADE RESET)	NONE	01 02 03 .....98 99	8 ms. (01-98)
			300 ms.	8 16 24 .....784 1020	
	49	DTI (E1 2 Mbps) trunk Transmit Remove Ring time (BLADE RESET)	NONE	00 01 02 .....98 99	8 ms. (00-98)
			0 ms.	0 8 16 .....784 2040	
	50	DTI (E1 2 Mbps) trunk Transmit Clear Signal Send time (BLADE RESET)	NONE	01 02 03 .....98 99	32 ms. (01-98)
			1008 ms.	32 64 96 .....3136 4080	
	51	DTI (E1 2Mbps) trunk Transmit Seizure Signal time (BLADE RESET)	NONE	01 02 03 .....98 99	16 ms. (01-98)
			800 ms.	16 32 48 .....1568 2040	
	52	1.5M (T1: LoopStart) DTI Answer Signal Detect Timing **[9300V5]** **[North America Only]** (BLADE RESET)	NONE	01 02 03 .....98 99	8 ms. (01-98)
			544 ms. (Corresponding to the 2nd data=68)	8 16 24 .....784 1020	
			NOTE: *Define the minimum duration to determine that the called party has answered the call.*		

Continued on next page

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
3	53	1.5M (T1: LoopStart) DTI Release Signal Detect Timing **[9300V5] [North America Only]** BLADE RESET	NONE	01 02 03 99	100 ms.
			500 ms. (Corre-sponding to the 2nd data=05)	100 200 300 9900	
			NOTE: *Define the minimum duration to determine that the other party has released the call.*		
	54	1.5M (T1: LoopStart) DTI Ring Signal Detect Timing **[9300V5] [North America Only]** BLADE RESET	NONE	01 02 03 .....98 99	16 ms. (01-98)
			176 ms. (Corre-sponding to the 2nd data=11)	16 32 48 .....1568 2040	
	55	1.5M (T1: LoopStart) DTI Ringing Signal Stop Detection Time **[9300V5] [North America Only]** BLADE RESET	NONE	01 02 03 99	100 ms.
			6800 ms. (Corre-sponding to the 2nd data=68)	100 200 300 9900	
			NOTE: *Define the minimum duration to determine that the calling party has abandoned the call.*		
	56	1.5M (T1: LoopStart) DTI Guard Time **[9300V5] [North America Only]** BLADE RESET	NONE	01 02 03 99	100 ms.
			500 ms. (Corre-sponding to the 2nd data=05)	100 200 300 9900	
			NOTE: *Define the time interval between calls on the same channel during which detection of incoming or outgoing call is sus-pended.*		

Continued on next page

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER	INCREMENT UNIT
3	57	1.5M (T1: LoopStart) DTI Hook Flash Send Time **[9300V5]** **[North America Only]** BLADE RESET	NONE	01 02 03 99	100 ms.
			600 ms. (Corre-sponding to the 2nd data=06)	100 200 300 9900	
			NOTE: *Define the duration of hook flash.*		
	60	MFC-R2 Backward receiving guard timer for DOD	NONE	01 02 03 04 05 06 07 08	4 seconds
			12 ~ 16 seconds	4 8 12 16 20 24 28 32 ~ 8 12 16 20 24 28 32 36	
		NOTE: *This timer data is used as a guard timer when not detecting Backward signal from the opposite office.*			
	61	MFC-R2 Backward Tone Complete receiving guard timer for DOD	NONE	01 02 03 04 05 06 07 08	4 seconds
			12 ~ 16 seconds	4 8 12 16 20 24 28 32 ~ 8 12 16 20 24 28 32 36	
		NOTE: *This timer data is used as a guard timer when not detecting received Backward signal (end of tone) from the opposite office.*			
	62	MFC-R2 Forward receiving guard timer for DID	NONE	01 02 03 04 05 06 07 08	4 seconds
			12 ~ 16 seconds	4 8 12 16 20 24 28 32 ~ 8 12 16 20 24 28 32 36	
		NOTE: *This timer data is used as a guard timer when not detecting Forward signal from the opposite office.*			

Continued on next page

COMMAND CODE	TITLE:
41	SYSTEM TIMER DATA

Y	1ST DATA	MEANING	DEFAULT	2ND DATA TIMER								INCREMENT UNIT
3	63	MFC-R2 Forward Tone Complete receiving guard timer for DID	NONE	01	02	03	04	05	06	07	08	4 seconds
			12 ~ 16 seconds	4 ~ 8	8 ~ 12	12 ~ 16	16 ~ 20	20 ~ 24	24 ~ 28	28 ~ 32	32 ~ 36	
		NOTE: *This timer data is used as a guard timer when not detecting received Forward signal (end of tone) from the opposite office.*										

COMMAND CODE	TITLE:
42	SYSTEM COUNTER DATA/PAD DATA/TRUNK RESTRICTION CLASS CONVERSION/CODEC LIST

FUNCTION:

This command is used to set the system counter data, the programmable PAD data, the Trunk Restriction Class data to convert the Restriction Class sent to or from the 2400 IPX as a Deluxe Traveling Class Mark-CCIS, and CODEC list.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + 42 + [DE] + KIND OF SYSTEM COUNTER (2/3 digits) / PAD DATA PATTERNS (2 digits) / TRUNK RESTRICTION CLASS (2 digits) / CODEC LIST (3 digits)

+ [DE] + SETTING DATA (2 digits) + [EXE]

COMMAND CODE	TITLE:
42	SYSTEM COUNTER DATA/PAD DATA

DATA TABLE:

System Counter Data/PAD Data

◀: Default

KIND OF SYSTEM COUNTER/PAD DATA		SETTING DATA		REMARKS
00	Number of waiting calls which will cause attendant's CWXX on LCD to flash [DESK-CON] **NOTE:** *XX represents the number of waiting calls.*	01 ~ 48 NONE◀	1 call ~ 48 calls 6 calls	
01	Number of stations in Line Lockout to give alarm	01 ~ 99 NONE◀	1 station ~ 99 stations No "Lockout Alarm Display"	
03	Number of Wake Up call/Timed Reminder call attempts before abandonment	01 ~ 05 NONE◀	1 call ~ 5 calls 5 calls	
05	Number of detected faulty trunks to give alarm on Attendant Console **[Australia Only]**	01 ~ 99 NONE◀	1 trunk ~ 99 trunks No detection	
06	Number of detected faulty trunks to give alarm **[Australia Only]**	01 ~ 99 NONE◀	1 trunk ~ 99 trunks No detection	
07	Number of detected faulty trunks to give alarm **[Australia Only]**	01 ~ 99 NONE◀	1 trunk ~ 99 trunks No detection	
08	Maximum number of trunks to be seized serially when a designated trunk is busy (for Private Lines)	01 ~ 16 NONE◀	1 trunk ~ 16 trunks Not seized	CM12 Y=16 CM35 Y=098

Continued on next page

COMMAND CODE	TITLE:
42	SYSTEM COUNTER DATA/PAD DATA

◀: Default

KIND OF SYSTEM COUNTER/PAD DATA		SETTING DATA		REMARKS
10	Maximum number of digits for Account Code with OAI (SCF)	01 ~ 10 NONE◀	1 digit ~ 10 digits 10 digits	
	Maximum number of digits for Account Code with CPU	01 ~ 16 NONE◀	1 digit ~ 16 digits 10 digits	
11	Maximum number of digits for Authorization Code with OAI (ACF/FLF)	01 ~ 10 NONE◀	1 digit ~ 10 digits 10 digits	CM08>216: 1
	Maximum number of digits for Authorization Code with CPU	01 ~ 16 NONE◀	1 digit ~ 16 digits 10 digits	CM08>216: 0
12	Maximum number of digits for Forced Account Code with OAI (ACF)	01 ~ 10 NONE◀	1 digit ~ 10 digits 10 digits	CM08>216: 1
	Maximum number of digits for Forced Account Code with CPU	01 ~ 16 NONE◀	1 digit ~ 16 digits 10 digits	CM08>216: 0
13	Maximum number of digits for Remote Access to System (DISA) Code with OAI (ACF)	01 ~ 10 NONE◀	1 digit ~ 10 digits 16 digits	CM08>217: 1
	Maximum number of digits for Remote Access to System (DISA) Code with CPU	01 ~ 16 NONE◀	1 digit ~ 16 digits 16 digits	CM08>217: 0 CM2A Y=00-09
14	Number of Call Forwarding in Multiple-Call Forwarding	01 ~ 05 NONE◀	1 time ~ 5 times 5 times	

Continued on next page

COMMAND CODE	TITLE:
42	SYSTEM COUNTER DATA/PAD DATA

◀: Default

KIND OF SYSTEM COUNTER/PAD DATA		SETTING DATA		REMARKS
15	Maximum number of calls in queue in each ACD/UCD group for controlling external indicator or Call Waiting lamp of Multiline Terminal	01 ~ 99 NONE◀	1 call ~ 99 calls 1 call	
16	Maximum number of calls in queue in each ACD/UCD group before busy tone is provided	01 ~ 99 NONE◀	1 call ~ 99 calls No limit	
19	Number of times for recall from built-in modem on CPU	01 ~ 09 NONE◀	1 time ~ 9 times 4 times	
66	Transmission characteristic of analog LC **[New Zealand/China/Brazil/Europe]** (RESET) **NOTE 1, NOTE 2**	00 01 02 04 NONE◀	New Zealand China Brazil Europe Other countries except for the above	
	Transmission characteristic of analog LC, COT **[For EMEA]** (RESET) **NOTE 1, NOTE 2**	01 02 04 05 06 07 08 09 NONE◀	China Brazil UK Austria/Belgium/Denmark/Germany/Sweden/Switzerland/The Netherlands UK (for EMEA) Spain (for EMEA) Italy (for EMEA) South Africa (for EMEA) Depends on Nation Code (CM31 Y=0>0)	

NOTE 1: *For North America and Australia, this command is not effective. The transmission characteristic depends on the nation code.*

NOTE 2: *A-law/μ-law setting is decided in the following order.*

1. Setting of CM04 Y=10-59

2. Setting by CPU

Continued on next page

COMMAND CODE	TITLE:
42	SYSTEM COUNTER DATA/PAD DATA

◀: Default

KIND OF SYSTEM COUNTER/PAD DATA		SETTING DATA		REMARKS
68	Volume Control (Side tone level) of Multiline Terminal/DESKCON	00 ~ 06 NONE◀	–54 dB ~ –18 dB –30 dB (6 dB increments)	
	NOTE: *Do not change this data normally, incorrect data settings may cause howler of low-level speech.*			
69	Call charge per unit for AOC (dollar/euro/integral charge per unit) **[Australia/France/Germany/Netherlands/Italy/Greece/Luxembourg/Portugal/Spain/Sweden/ITU-T (UAE)]**	00 ~ 99 NONE◀	00-99 dollars/euro/integral charge per unit No data	
70	Call charge per unit for AOC (cent/euro cent/two decimals charge per unit) **[Australia/France/Germany/Netherlands/Italy/Greece/Luxembourg/Portugal/Spain/Sweden/ITU-T (UAE)]**	00 ~ 99 NONE◀	00-99 cents/euro cents/two decimals charge per unit No data	
72	Number of times of Multiple Call Forwarding-All Calls/Busy Line/No Answer-CCIS	01 ~ 07 NONE◀	1 time ~ 7 times 5 times	
73	Number of digits for Station Authorization Code/IP Station Password/Standard SIP registration password	01 ~ 08 NONE◀	1 digit ~ 8 digits 4 digits	CM2B Y=00 CM20 Y=0-3: A230, A231
74	Off Hook Ring Volume 1	00 01 02 03 04 05 06 07 NONE◀	–10 dB –12 dB –14 dB –16 dB –18 dB –20 dB –22 dB –24 dB –20 dB	CM15 Y=205
75	Off Hook Ring Volume 2			

Continued on next page

COMMAND CODE	TITLE:
42	SYSTEM COUNTER DATA/PAD DATA

◀: Default

KIND OF SYSTEM COUNTER/PAD DATA		SETTING DATA		REMARKS
77	Number of digits for the abbreviated code of System Speed Dialing origination	01 ~ 08 NONE◀	1 digit ~ 8 digits 4 digits	CM20 Y=0-3: A243 CM74 Y=5
181	Maximum number of Wake Up Call setting at the same time	01 ~ 32 NONE◀	1 call ~ 32 calls No limit	CM08>850
	NOTE: *Assign the maximum number of Wake Up Call for the same time per every minute.*			
182	Time for monitoring long call duration of trunk call	01 ~ 60 NONE◀	1 hour ~ 60 hours 60 hours	CM35 Y=286 CMEA Y=2>04A
	NOTE: *When the call time exceeds the time set by this command, a fault information is stored as long-time call fault.*			
183	Maximum number of simultaneous calling of each blade for SLT	01 ~ 16 NONE◀	1 call ~ 16 calls 16 calls	
185	Date to total the call charge **[For EMEA]**	01 ~ 25 NONE◀	The 1st of the month ~ The 25th of the month End of month	
	NOTE: *From the 26th to the day before end of month cannot be assigned.*			
186	Room Status Code set by Check In operation	01 ~ 08 NONE◀	Room Status Code 1 ~ Room Status Code 8 Not used	
187	Room Status Code set by Check Out operation			
188	Room Status Code when pressing Call Recording Function Button			

Continued on next page

COMMAND CODE	TITLE:
42	SYSTEM COUNTER DATA/PAD DATA

◀: Default

KIND OF SYSTEM COUNTER/PAD DATA		SETTING DATA		REMARKS
190	Setting of PAD data for a Station-to-Station call	01 ~ 15 16 17 ~ 28 ~ 31 NONE◀	-15 dB/-15 dB ~ ~ (1 dB increment) -1 dB/-1 dB 0 dB/0 dB +1 dB/+1 dB ~ ~ (1 dB increment) +12 dB/+12 dB ~ ~ +12 dB/+12 dB -6 dB/-6 dB +: Gain - : Loss	
	NOTE: *This command is effective when the level diagram control system is set to "Old Pattern".*			
191	Setting of PAD data from a station/trunk to a Conference Trunk for a Conference Trunk connection	00 ~ 44 45 46 ~ 63 NONE◀	-45 dB ~ (1 dB increment) -1 dB 0 dB +1 dB ~ (1 dB increment) +18 dB -10 dB +: Gain - : Loss	
	NOTE: *This command is effective when the level diagram control system is set to "Old Pattern".*			
194	Restriction of number of password entries when Security Lock is canceled	00 01 ~ 99 NONE◀	No limit 1 time ~ 99 times 3 times	
	NOTE: *When entering incorrect password for the number of times set by this command, DT700/DT800/DT900 Series will be in password lock state.*			

Continued on next page

COMMAND CODE	TITLE:
42	SYSTEM COUNTER DATA/PAD DATA

◀: Default

KIND OF SYSTEM COUNTER/PAD DATA		SETTING DATA		REMARKS
195	Time to lock the DT700/DT800/DT900 Series when number of password entries exceeded the limit	00 01 ~ 99 NONE◀	Not unlocked 1 minute ~ 99 minutes 10 minutes	
	NOTE: *When the DT700/DT800/DT900 Series is in password lock state, a password entry is restricted until the time set by this command is elapsed.*			
198	Volume Control (Side Tone level) of DT300/ DT400//DT500DT700/DT800/DT900 Series	00 01 ~ 32 NONE◀	-54 dB -48 dB ~ -18 dB -12 dB **[For EMEA]** -18 dB **[Other than EMEA]**	CM42>68
	NOTE: *For the volume control (Side tone level) of the Multiline Terminal/DESKCON, set the data by CM42>68.*			
199	Volume Control of Desk Console (Sending level)	00 ~ 31 NONE◀	Level 00 (Low Level) ~ Level 31 (High Level) The default data is different depending on the specifications of each country.	
	NOTE: *In usual operation, do not change the default data.*			
200	Volume Control of Desk Console (Receiving level)	00 ~ 31 NONE◀	Level 00 (Low Level) ~ Level 31 (High Level) The default data is different depending on the specifications of each country.	
	NOTE: *In usual operation, do not change the default data.*			

Continued on next page

COMMAND CODE	TITLE:
42	SYSTEM COUNTER DATA/PAD DATA

◀: Default

KIND OF SYSTEM COUNTER/PAD DATA		SETTING DATA		REMARKS
203	Volume Control of PGD(2)-U10 ADP (Paging) (Sending level)	00 01 ~ 05 06 07 ~ 15 NONE◀	+6 dB +5 dB ~ (1 dB increment) +1 dB 0 dB -1 dB ~ (1 dB increment) -9 dB -4 dB	
204	Volume Control of PGD(2)-U10 ADP (Paging) (Receiving level)			
205	Volume Control of PGD(2)-U10 ADP (External tone source) (Sending level)			
206	Volume Control of PGD(2)-U10 ADP (External tone source) (Receiving level)			
207	Setting of PAD data from a conference trunk to a station/trunk	01 ~ 15 16 17 ~ 28 ~ 31 NONE◀	-15 dB ~ (1 dB increment) -1 dB 0 dB +1 dB ~ (1 dB increment) +12 dB ~ +12 dB 0 dB	
	NOTE: *This command is effective when the level diagram control system is set to "Old Pattern".*			
210	Setting of PAD data from a station to a DTMF Receiver (For SLT)	01 ~ 44 45 46 ~ 63 NONE◀	-45 dB ~ (1 dB increment) -1 dB 0 dB +1 dB ~ (1 dB increment) +18 dB 0 dB	
	NOTE: *This data is effective only when the second data of CM15 Y=405 (DTMF Receiver PAD Pattern (For SLT)) is set to 00 (PAD Pattern 0 (As per CM42>210)).*			
213	Number of deletion digits of received Caller ID for DTMF Caller ID Trunk	00 01 ~ 15 NONE◀	No digit deletion First 1 digit deletion ~ First 15 digits deletion No digit deletion	
	NOTE: *Assign this data to "01" in accordance with the system specifications in Saudi Arabia.*			

Continued on next page

COMMAND CODE	TITLE:
42	SYSTEM COUNTER DATA/PAD DATA

◀: Default

KIND OF SYSTEM COUNTER/PAD DATA		SETTING DATA		REMARKS
214	Volume Control for Time Notification	01 02 03 ~ 11 12 13 14 NONE◀	-32 (MIN) dB -30 dB -28 dB ~ (2 dB increments) -12 dB -10 dB -8 dB -6 (MAX) dB -12 dB	
	NOTE: *Usually, changing this data is not required.*			
220	Number of login failure to Login lock **[9300V7]**	00 01 ~ 99 NONE◀	No limit time(s) 1 time ~ 99 times 3 times	CM08>1062
	NOTE: *This command is effective only for Standard SIP stations.*			
221	Time to Login lock **[9300V7]**	00 01 ~ 99 NONE◀	Fixed lockout 1 minute ~ 99 minutes 10 minutes	CM08>1062, CM12 Y=101:CCC
	NOTE: *This command is effective only for Standard SIP stations.*			

Continued on next page

COMMAND CODE	TITLE:
42	SYSTEM COUNTER DATA/PAD DATA

◀: Default

KIND OF SYSTEM COUNTER/PAD DATA		SETTING DATA		REMARKS
804	Masked Digits of an outgoing call number in Immediate Printout Call Record/Station individual Call Record Print/Call Charge Printout of a long-time call	01 ~ 15 NONE◀	1 digit ~ 15 digits All digits printed	
807	Number of line feeds after printing	01 ~ 10 NONE◀	1 line feed ~ 10 line feeds 1 line feed	
870	Maid status of Dial 0 NOTE 3	01 ~ 05 NONE◀	Maid status 1 ~ Maid status 5 Invalid dial	
871	Maid status of Dial 1 NOTE 3	01 ~ 05 NONE◀	Maid status 1 ~ Maid status 5 Invalid dial	
872	Maid status of Dial 2 NOTE 3	01 ~ 05 NONE◀	Maid status 1 ~ Maid status 5 Invalid dial	
873	Maid status of Dial 3 NOTE 3	01 ~ 05 NONE◀	Maid status 1 ~ Maid status 5 Invalid dial	

Continued on next page

COMMAND CODE	TITLE:
42	SYSTEM COUNTER DATA/PAD DATA

◀: Default

KIND OF SYSTEM COUNTER/PAD DATA			SETTING DATA		REMARKS
874	Maid status of Dial 4	NOTE 3	01 ~ 05 NONE◀	Maid status 1 ~ Maid status 5 Invalid dial	
875	Maid status of Dial 5	NOTE 3	01 ~ 05 NONE◀	Maid status 1 ~ Maid status 5 Invalid dial	
876	Maid status of Dial 6	NOTE 3	01 ~ 05 NONE◀	Maid status 1 ~ Maid status 5 Invalid dial	
877	Maid status of Dial 7	NOTE 3	01 ~ 05 NONE◀	Maid status 1 ~ Maid status 5 Invalid dial	
878	Maid status of Dial 8	NOTE 3	01 ~ 05 NONE◀	Maid status 1 ~ Maid status 5 Invalid dial	
879	Maid status of Dial 9	NOTE 3	01 ~ 05 NONE◀	Maid status 1 ~ Maid status 5 Invalid dial	
880	Maid status of Dial *	NOTE 3	01 ~ 05 NONE◀	Maid status 1 ~ Maid status 5 Invalid dial	
881	Maid status of Dial #	NOTE 3	01 ~ 05 NONE◀	Maid status 1 ~ Maid status 5 Invalid dial	

NOTE 3: *When using PMS, PMS with Hotel/Motel Front Desk Instrument/DSS Console (CM04 Y= 01>10: 0), this data is effective when CM08>1875 is set to 0 (Available).*

COMMAND CODE	TITLE:
42	TRUNK RESTRICTION CLASS CONVERSION

Trunk Restriction Class Conversion

SV9300 represents small model PBX system.
2400 IPX represents medium to large model PBX system.

◀: Default

1ST DATA		2ND DATA		REMARKS
DATA	MEANING	DATA	MEANING	
20	SV9300 Trunk Restriction Class 1 (RCA)	00 ~ 15 NONE◀	2400 IPX Trunk Restriction Class (0-15) No data SV9300 ↓ 2400 IPX	
21	SV9300 Trunk Restriction Class 2 (RCB)			
22	SV9300 Trunk Restriction Class 3 (RCC)			
23	SV9300 Trunk Restriction Class 4 (RCD)			
24	SV9300 Trunk Restriction Class 5 (RCE)			
25	SV9300 Trunk Restriction Class 6 (RCF)			
26	SV9300 Trunk Restriction Class 7 (RCG)			
27	SV9300 Trunk Restriction Class 8 (RCH)			
30	2400 IPX Trunk Restriction Class 0	01 ~ 08 NONE◀	SV9300 Trunk Restriction Class (1-8) No data 2400 IPX ↓ SV9300	
31	2400 IPX Trunk Restriction Class 1			
32	2400 IPX Trunk Restriction Class 2			
33	2400 IPX Trunk Restriction Class 3			
34	2400 IPX Trunk Restriction Class 4			
35	2400 IPX Trunk Restriction Class 5			
36	2400 IPX Trunk Restriction Class 6			
37	2400 IPX Trunk Restriction Class 7			
38	2400 IPX Trunk Restriction Class 8			
39	2400 IPX Trunk Restriction Class 9			
40	2400 IPX Trunk Restriction Class 10			
41	2400 IPX Trunk Restriction Class 11			
42	2400 IPX Trunk Restriction Class 12			
43	2400 IPX Trunk Restriction Class 13			
44	2400 IPX Trunk Restriction Class 14			
45	2400 IPX Trunk Restriction Class 15			

Continued on next page

COMMAND CODE	TITLE:
42	TRUNK RESTRICTION CLASS CONVERSION

NOTE 1: *Default in the DATA TABLE represents the value for the data "NONE". In this case, the following conversion is performed in the Deluxe Traveling Class Mark-CCIS.*

(1) 2400 IPX to SV9300

2400 IPX TRK RESTRICTION CLASS		SV9300 TRK RESTRICTION CLASS
0: OG via ATT	→	1: Unrestricted (RCA)
1: Unrestricted-1	→	1: Unrestricted (RCA)
2: Unrestricted-2	→	2: Non-Restricted-1 (RCB)
3: Non-Restricted	→	3: Non-Restricted-2 (RCC)
4: Semi-Restricted	→	4: Semi-Restricted-1 (RCD)
5: Restricted	→	5: Semi-Restricted-2 (RCE)
6: Fully-Restricted	→	6: Restricted-1 (RCF)
7:		7: Restricted-2 (RCG)
8: ~ 15: Not Defined	→	8: Fully-Restricted (RCH)

(2) SV9300 to 2400 IPX

SV9300 TRK RESTRICTION CLASS		2400 IPX TRK RESTRICTION CLASS
1: Unrestricted (RCA)	→	1: Unrestricted-1
2: Non-Unrestricted-1 (RCB)	→	2: Unrestricted-2
3: Non-Restricted-2 (RCC)	→	3: Non-Restricted
4: Semi-Restricted-1 (RCD)	→	4: Semi-Restricted
5: Semi-Restricted-2 (RCE)	→	5: Restricted
6: Restricted-1 (RCF)	→	6: Fully-Restricted
7: Restricted-2 (RCG)	→	7: Not Defined
8: Fully-Restricted (RCH)	→	8: Not Defined

NOTE 2: *This command should be used when changing the reset setting shown above, or when receiving the 2400 IPX Trunk Restriction Class (9-15) as a Deluxe Travelling Class Mark.*

COMMAND CODE	TITLE:
42	CODEC LIST

CODEC List

◀: Default

1ST DATA (CODEC TYPE)		2ND DATA		REMARKS
DATA	MEANING	DATA	MEANING	
100 ~ 103	Priority 1-4 in CODEC list 0	01 02 03 04 07 NONE◀	G.711 µ-law 64 K G.711 A-law 64 K G.723.1 G.729a G.722 (Wide Band Codec) No data	CM67 Y=21-24
120 ~ 123	Priority 1-4 in CODEC list 1			
140 ~ 143	Priority 1-4 in CODEC list 2			
160 ~ 163	Priority 1-4 in CODEC list 3			
110 ~ 113	Priority 1-4 in CODEC list 0	02 ~ 04 NONE◀	20 ms. ~ 40 ms. NOTE No data	CM67
130 ~ 133	Priority 1-4 in CODEC list 1			
150 ~ 153	Priority 1-4 in CODEC list 2			
170 ~ 173	Priority 1-4 in CODEC list 3			

NOTE: *The available CODEC and payload size depend on the terminal types.*
For detailed specifications, see NOTE 5 on CM67 Y=00. ☞ Page 3-501

COMMAND CODE	TITLE:
43	PERIODIC MAINTENANCE DATE AND TIME

FUNCTION:

This command is used to set the date, time and check item for periodic maintenance. The fault information display reminds you of the time for each periodic maintenance.
[See CMEA Fault Information Display, fault kind No. 016 ☞ Page 3-762]
This command is also used to set the time for regular system data and VRS data backup.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

ST + 43Y + DE + 1ST DATA (2 digits) + DE + 2ND DATA (1/4/10 digits) + EXE

DATA TABLE:

◀: Default

Y	MEANING	1ST DATA	MEANING	2ND DATA	MEANING
2	Date and time setting for periodic maintenance	00-07	Periodic maintenance 0-7	YYYY MM DD HH NONE◀	YYYY: Year (2014-2099) MM : Month (01-12) DD : Day (01-31) HH : Hour (00-23) No data
3	Check item for periodic maintenance			0 1 ~ 7 NONE◀	Battery check Check item No. 1 ~ Check item No. 7 No data
5	Time setting for regular system data backup and VRS data backup	00	Regular backup time	HH MM 9999 NONE◀	HH : Hour (00-23) MM : Minute (00-59) No backup the system data 0300 (3:00 a.m.)
	NOTE 1: *For a duplex system, VRS data copy/backup to the STBY-CPU is also performed at the same time.* **NOTE 2:** *For a failover system, VRS data copy/backup to the secondary unit is also performed at the same time.*				

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COMMAND CODE	TITLE:
43	PERIODIC MAINTENANCE DATE AND TIME

◀: Default

Y	MEANING	1ST DATA	MEANING	2ND DATA	MEANING
6	Time setting for IP Station firmware automatic update	00	IP Station firmware automatic update time	YYYY MM DD HH mm NONE◀	YYYY: Year (2014-2099) MM : Month (01-12) DD : Day (01-31) HH : Hour (00-23) mm : Minutes (00-59) No data
	NOTE: *This data is recommended to set to have two minutes or longer interval of time from the system clock.*				
7	Start time for copying the system data from the Main Unit to Remote Units	00	System data copy	HH MM 9999 NONE◀	HH : Hour (00-23) MM : Minute (00-59) Not copy the system data automatically 0200 (2:00 a.m.)
	NOTE 1: *System data copy is executed from the low Remote Unit number to high Remote Unit number.* **NOTE 2:** *The start time for system data copy may gain/loss about three minutes from the time you set.*				
8	Time setting for Automatic clock change	00	Time setting for automatic system clock change from standard time to daylight-saving time (for change pattern 0)	MM W D	MM: Change Month (01-12) W : Change Week (1-4/9) First-Fourth Week (1-4) Final Week (9) D : Change Day of the week (0-6) 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday
		01	Time setting for automatic system clock change from daylight-saving time to standard time (for change pattern 0)	NONE◀	Automatic clock change is not provided

Continued on next page

COMMAND CODE	TITLE:
43	PERIODIC MAINTENANCE DATE AND TIME

◀: Default

Y	MEANING	1ST DATA	MEANING	2ND DATA	MEANING
8	Time setting for Automatic clock change	02	Reading of system clock changed day from standard time to daylight-saving time (for change pattern 0)	YYYY MM DD NONE◀	YYYY: Year (2014-2099) MM : Month (01-12) DD : Date (01-31) Automatic clock change has not been executed
		03	Reading of system clock changed day from daylight-saving time to standard time (for change pattern 0)		
		04	Time setting for automatic system clock change from standard time to daylight-saving time (for change pattern 1)	MM W D NONE◀	MM: Change Month (01-12) W : Change Week (1-4/9) First-Fourth Week (1-4) Final Week (9) D : Change Day of the week (0-6) 0: Sunday 1: Monday 2: Tuesday 3: Wednesday 4: Thursday 5: Friday 6: Saturday Automatic clock change is not provided
		05	Time setting for automatic system clock change from daylight-saving time to standard time (for change pattern 1)		
		06	Reading of system clock changed day from standard time to daylight-saving time (for change pattern 1)	YYYY MM DD NONE◀	YYYY: Year (2014-2099) MM : Month (01-12) DD : Date (01-31) Automatic clock change has not been executed
		07	Reading of system clock changed day from daylight-saving time to standard time (for change pattern 1)		

COMMAND CODE	TITLE:
44	EXTERNAL RELAY STARTING CONDITIONS

FUNCTION:

This command is used to assign the relay circuit number and Relay Group number of PGD(2)-U10 ADP/ External Relay Interface of CPU blade used for controlling external relay.

PRECAUTION:

(1) For External Relay Interface of the CPU blade, assign 312, 313 (blade No. 31, circuit No. 2, 3).

ASSIGNMENT PROCEDURE:

[ST] + 44YY + [DE] + RELAY GROUP NUMBER + CIRCUIT NUMBER (3 digits) / RELAY GROUP NUMBER (2 digits) + [DE] + DATA 1 (4 digits) + DATA 2 (2 digits) / DATA (1-8 digits) + [EXE]

DATA TABLE:

◀: Default

Y		RELAY CIRCUIT No./ RELEY GROUP No.		SETTING DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
00	Setting of the external relay starting conditions	XX Y	XX : Relay Group Number (00-31) Y : Circuit Number (0-3) 312, 313: External Relay Interface of CPU blade	☞ See "Data 1 and Data 2"	
	NOTE: *To use the dual port mode on PGD (2)-U10 station (CH1/2), different circuit numbers must be assigned to each port.*				
01	Association of the Relay Group number and PGD (2)-U10 station number	00 ~ 31	Relay Group Number	X ~ XXXXXXXX NONE◀	PGD (2)- U10 station number X: 0-9, A (*), B (#) No data
	NOTE: *Set this command only for a PGD (2)-U10 station (CH1) when using a PGD (2)-U10 station (CH2).*				

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COMMAND CODE	TITLE:
44	EXTERNAL RELAY STARTING CONDITIONS

DATA 1		DATA 2		REMARKS
DATA	MEANING	DATA	MEANING	
00	External Hold Tone Machine Start (PGD(2)-U10 ADP)	00 ~ 09	External Hold Tone for Music on Hold	CM48 Y=0
01	External Announcement Machine Start	00	External Announcement Machine for wake up calling/Timed Reminder Calling	CM48 Y=1
02	Speaker Paging Machine Start	00 ~ 09	Speaker Paging Zone 0 ~ Speaker Paging Zone 9	CM12 Y=68 CM20
11	Indication for Trunk All Busy	01 ~ 62	Trunk Group 01 ~ Trunk Group 62	CM30 Y=09
13	TAS Indication	00 ~ 63	TAS Group 00 ~ TAS Group 63	CM30 Y=13, 14
14	Indication for ACD/UCD Call Waiting	XX	ACD/UCD Group 00-99	CM17
15	Relay Control Function Key	00	Relay Control (ON/OFF) via Multiline Terminal	CM90 Y=00: F7XXX
35	No. 7 CCIS Link Alarm Display	00 ~ 15	CCH No. 0-15	
36	No. 7 CCIS Day/Night Status Display when the Day/Night Mode is changed by the main office	01	Tenant No. **NOTE:** *An intra-office Attendant Console should not be assigned for the tenant.*	
38	Fault display for external	00 01	MJ Alarms MN Alarms	CM08>912

Continued on next page

COMMAND CODE	TITLE:
44	EXTERNAL RELAY STARTING CONDITIONS

The following table shows the interface condition of each external relay.

EQUIPMENT KIND	INTERFACE	RELATED COMMAND	REMARKS
External Tone Source	DLC + PGD(2)-U10 ADP	• CM05 Y=0 • CM10 Y=00 • CM12 Y=65: 3 • CM13 Y=32-34, 63 • CM44 Y=00: 02XX • CM44 Y=01 • CM48 Y=0: 1300 • CM64 Y=1	• Start by External Relay Control Circuit of PGD(2)-U10 ADP • RCA connector of PGD(2)-U10 ADP for tone
Wake Up Call/Timed Reminder tone source	DLC + PGD(2)-U10 ADP	• CM05 Y=0 • CM10 Y=00 • CM12 Y=65: 3 • CM13 Y=32-34, 63 • CM44 Y=00: 0100 • CM44 Y=01 • CM48 Y=1>00: 0200	• Start by External Relay Control Circuit of PGD(2)-U10 ADP • RCA connector of PGD(2)-U10 ADP for tone
Speaker Paging	DLC + PGD(2)-U10 ADP	• CM05 Y=0 • CM10 Y=00 • CM12 Y=65: 1 • CM12 Y=67, 68 • CM13 Y=32-34, 63 • CM20 Y=0-3: A070-A079 • CM44 Y=00: 02XX • CM44 Y=01	• Start by External Relay Control Circuit of PGD(2)-U10 ADP • RCA connector of PGD(2)-U10 ADP for tone
Indication for Trunk All Busy	DLC + PGD(2)-U10 ADP	• CM05 Y=0 • CM10 Y=00 • CM12 Y=65: 3 • CM13 Y=63 • CM30 Y=09, 20-26 • CM44 Y=00: 11XX • CM44 Y=01 • CM54 Y=0 • CM55 Y=0	• Start by External Relay Control Circuit of PGD(2)-U10 ADP

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COMMAND CODE	TITLE:
44	EXTERNAL RELAY STARTING CONDITIONS

EQUIPMENT KIND	INTERFACE	RELATED COMMAND	REMARKS
TAS Indication	Built-in Relay on CPU	• CM30 Y=13, 14 • CM44 Y=00>312, 313: 13XX	• Start by Built-in Relay on CPU
	DLC + PGD(2)-U10 ADP	• CM05 Y=0 • CM10 Y=00 • CM12 Y=65: 3 • CM13 Y=63 • CM30 Y=13, 14 • CM44 Y=00: 13XX • CM44 Y=01	• Start by External Relay Control Circuit of PGD(2)-U10 ADP
Indication for ACD/UCD Call Waiting	Built-in Relay on CPU	• CM17 • CM44 Y=00>312, 313: 14XX	• Start by Built-in Relay on CPU
	DLC + PGD(2)-U10 ADP	• CM05 Y=0 • CM10 Y=00 • CM12 Y=65: 3 • CM13 Y=63 • CM17 • CM44 Y=00: 14XX • CM44 Y=01	• Start by External Relay Control Circuit of PGD(2)-U10 ADP
Relay Control Function Key	Built-in Relay on CPU	• CM44 Y=00>312, 313: 1500 • CM90	• Start by Built-in Relay on CPU
	DLC + PGD(2)-U10 ADP	• CM05 Y=0 • CM10 Y=00 • CM12 Y=65: 3 • CM13 Y=63 • CM44 Y=00: 1500 • CM44 Y=01	• Start by External Relay Control Circuit of PGD(2)-U10 ADP
No. 7 CCIS Link Alarm Display	DLC + PGD(2)-U10 ADP	• CM05 Y=0 • CM10 Y=00 • CM12 Y=65: 3 • CM13 Y=63 • CM44 Y=00: 35XX	• Start by External Relay Control Circuit of PGD(2)-U10 ADP

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COMMAND CODE	TITLE:
44	EXTERNAL RELAY STARTING CONDITIONS

EQUIPMENT KIND	INTERFACE	RELATED COMMAND	REMARKS
No. 7 CCIS Day/Night Status Display	DLC + PGD(2)-U10 ADP	• CM05 Y=0 • CM10 Y=00 • CM12 Y=65: 3 • CM13 Y=63 • CM44 Y=00: 3601 • CM44 Y=01	• Start by External Relay Control Circuit of PGD(2)-U10 ADP
Fault display for external	CPU Built-in Relay	• CM08>912 • CM44 Y=00: 38XX	• Start by CPU Built-in Relay

COMMAND CODE	TITLE:
45	MAKE BUSY CONDITION OF CFT/DTMF RECEIVER DETECT LEVEL

FUNCTION:

This command is used to define the make busy condition of built-in CFT on CPU or to set DTMF Receiver detect level.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + 45Y + [DE] + 1ST DATA (2-3 digits) + [DE] + 2ND DATA (1-2 digits) + [EXE]

DATA TABLE:

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
6	Make busy condition of CFT	00 ~ 15	CPU built-in CFT circuit number	0 1◀	Make busy In service
	NOTE 1: *Set this data when CPU built-in CFT is secured for Conference.* **NOTE 2:** *Each unit has 16 circuits for built-in CFT on CPU.* **NOTE 3:** *When using Three Party Conference, each group uses one CPU built-in CFT circuits.* **NOTE 4:** *When using Conference, four participants or less can connect to one CPU built-in CFT circuits. (ex.) Set two circuits to make busy for one 8-party conference.*				

Continued on next page

COMMAND CODE	TITLE:
45	MAKE BUSY CONDITION OF CFT/DTMF RECEIVER DETECT LEVEL

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
B	Setting of DTMF Receiver detect level (Related command: CM15 Y=406, CM35 Y=298, CM45 Y=B> X01)	X 00	Receiver start delay time X: Receiver Type (0-2)	00 ~ 98 99 NONE◀	0 ms. ~ (0.25 ms. increments) 24.5 ms. 64 ms. 0 ms.
		X 01	DTMF receiver detect level X: Receiver Type (0-2)	00 01 02 03 04 05 06 NONE◀	Detect Level 0 (0- -25 dBm) Detect Level 1 (-5- -30 dBm) Detect Level 2 (-10- -35 dBm) Detect Level 3 (-15- -40 dBm) Detect Level 4 (-20- -45 dBm) Detect Level 5 (-25- -50 dBm) Detect Level 6 (-30- -55 dBm) Detect Level 0 (0- -25 dBm)
		X 02	Forward signal receiver minimum detect level (DTMF receiver minimum detect level assigned by CM45 Y=B>X01 can be changed.) X: Receiver Type (0-2)	00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 NONE◀	-10/-15/-20/-25/-30/-35/-40 dBm -11/-16/-21/-26/-31/-36/-41 dBm -12/-17/-22/-27/-32/-37/-42 dBm -13/-18/-23/-28/-33/-38/-43 dBm -14/-19/-24/-29/-34/-39/-44 dBm -15/-20/-25/-30/-35/-40/-45 dBm -16/-21/-26/-31/-36/-41/-46 dBm -17/-22/-27/-32/-37/-42/-47 dBm -18/-23/-28/-33/-38/-43/-48 dBm -19/-24/-29/-34/-39/-44/-49 dBm -20/-25/-30/-35/-40/-45/-50 dBm -21/-26/-31/-36/-41/-46/-51 dBm -22/-27/-32/-37/-42/-47/-52 dBm -23/-28/-33/-38/-43/-48/-53 dBm -24/-29/-34/-39/-44/-49/-54 dBm -25/-30/-35/-40/-45/-50/-55 dBm -25/-30/-35/-40/-45/-50/-55 dBm

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COMMAND CODE	TITLE:
45	MAKE BUSY CONDITION OF CFT/DTMF RECEIVER DETECT LEVEL

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
B	Setting of DTMF Receiver detect level (Related command: CM15 Y=406, CM35 Y=298, CM45 Y=B>X01)	X 03	DTMF receiver maximum detect level (DTMF receiver maximum detect level assigned by CM45 Y=B>X01 can be changed.) X: Receiver Type (0-2)	00	0/-5/-10/-15/-20/-25/-30 dBm
				01	-1/-6/-11/-16/-21/-26/-31 dBm
				02	-2/-7/-12/-17/-22/-27/-32 dBm
				03	-3/-8/-13/-18/-23/-28/-33 dBm
				04	-4/-9/-14/-19/-24/-29/-34 dBm
				05	-5/-10/-15/-20/-25/-30/-35 dBm
				06	-6/-11/-16/-21/-26/-31/-36 dBm
				07	-7/-12/-17/-22/-27/-32/-37 dBm
				08	-8/-13/-18/-23/-28/-33/-38 dBm
				09	-9/-14/-19/-24/-29/-34/-39 dBm
				10	-10/-15/-20/-25/-30/-35/-40 dBm
				11	-11/-16/-21/-26/-31/-36/-41 dBm
				12	-12/-17/-22/-27/-32/-37/-42 dBm
				13	-13/-18/-23/-28/-33/-38/-43 dBm
				14	-14/-19/-24/-29/-34/-39/-44 dBm
				15	-15/-20/-25/-30/-35/-40/-45 dBm
				NONE◀	-2/-5/-10/-15/-20/-25/-30 dBm
		X 04	DTMF receiver twist Level (Forward) X: Receiver Type (0-2)	00	1 dB
				≀	≀
				09	10 dB
				NONE◀	6 dB
		X 05	DTMF receiver twist Level (Backward) X: Receiver Type (0-2)	00	1 dB
				≀	≀
				09	10 dB
				NONE◀	6 dB
		X 06	DTMF receiver ON detect time X: Receiver Type (0-2)	01	30 ms.
				≀	≀ (15 ms. increments)
				98	1485 ms.
				99	3840 ms.
				NONE◀	30 ms.
		X 07	DTMF receiver OFF detect time X: Receiver Type (0-2)	01	30 ms.
				≀	≀ (15 ms. increments)
				98	1485 ms.
				99	3840 ms.
				NONE◀	30 ms.

COMMAND CODE	TITLE:
48	HOLD/WAKE UP/TIMED REMINDER/AUTOMATED ATTENDANT TONE

FUNCTION:

This command determines the kind of tone/tone source on various services.

PRECAUTION:

(1) Once the second data of CM48 Y=0 is set to 0500 for just a single tenant in the system, other tenants cannot use the data 1400 (Hold Tone Source on CPU blade), therefore careful attention is required for assigning this data.

(2) If there is no External Hold Tone Source despite "External Hold Tone Source" has been specified for CM48 Y=0, the Hold Tone Source on CPU blade is used.

ASSIGNMENT PROCEDURE:

[ST] + 48Y + [DE] + 1ST DATA (2/4 digits) + [DE] + 2ND DATA (1-8 digits) + [EXE]

COMMAND CODE	TITLE: HOLD/WAKE UP/TIMED REMINDER/AUTOMATED ATTENDANT TONE
48	

DATA TABLE:

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
0	Hold Tone Sending	00 01 02	C.O. Line Tie Line Station	0000	No Tone	
				0500	Hold Message NOTE 2	CM49 Y=00
				1300	Hold Tone Source on CPU blade/External Hold Tone Source NOTE 2	CM64 Y=1
				1400	Hold Tone Source on CPU blade NOTE 2	CM48 Y=3
				1500	Internal Tone Generator NOTE 2	
				NONE◀	Hold Tone Source on CPU blade NOTE 2	

NOTE 1: *In the case of an IPT (P2P CCIS), if the second data is set to a value other than 1300, the setting in the opposite office is applied.*

NOTE 2: *The table below shows the combinations of 2ND DATA and terminal types for which a Hold Tone Source on the terminal is used as a hold tone for each terminal.*

2ND DATA	TERMINAL TYPE	HOLD TONE FOR TERMINAL
0500	IP Terminal (DT700/DT800/DT900 Series only)	Hold Tone Source on the terminal
1300	IP Terminal (except DT700/DT800/DT900 Series)	
1400	IP Terminal	
1500		
NONE		

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COMMAND CODE	TITLE:
48	HOLD/WAKE UP/TIMED REMINDER/AUTOMATED ATTENDANT TONE

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
1	Wake Up Call/ Timed Reminder	00	Tone source of Wake Up Call/ Timed Reminder	0000	No Tone	
				0200	External Tone Source NOTE 1	CM44 Y=00: 0100
				0400	Speech Synthesis	CM20 Y=0-3: A274
				0500	Voice Response System	CM20 Y=0-3: A274 CM41 Y=0>52 CM49 Y=00, 08
				1301	External Hold Tone Source NOTE 2	
				1400	Hold Tone Source on CPU blade NOTE 2	CM48 Y=3
				1500	Internal Tone Generator NOTE 2	CM64
				NONE◀	Internal Tone Generator NOTE 2	

NOTE 1: *When the 2ND DATA is set to 0200, the Hold Tone Source on CPU blade is used as a Hold Tone Source for IP terminals.*

NOTE 2: *When the 2ND DATA is set to 1301/1400/1500/NONE, the following Tone Sources are used in accordance with the terminal types.*

- *IP terminals (except Standard SIP terminals): Hold Tone Source on each terminal*
- *Standard SIP terminals : As per Hold Tone setting for Standard SIP terminals (CM08>1007, CM13 Y=74)*

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COMMAND CODE	TITLE:
48	HOLD/WAKE UP/TIMED REMINDER/AUTOMATED ATTENDANT TONE

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
1	Wake Up Call/ Timed Reminder	01	Tone source of the guide announcement of Wake Up Call/Timed Reminder set operation **[9300V3]**	0400	Speech Synthesis	
				0500	Voice Response System **NOTE**	CM49 Y=00: 2500
				NONE◀	Special Dial Tone (SPDT)	
		02	Tone source of the announcement of set time for Wake Up Call/Timed Reminder **[9300V3]**	1000	Service Set Tone (SST)	
				NONE◀	Speech Synthesis	

NOTE: *When using a Voice Response System, set the type of VRS to "Guide Announcement when setting Wake Up Call/Timed Reminder" by system data (CM49 Y=00: 2500).*

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COMMAND CODE	TITLE:
48	HOLD/WAKE UP/TIMED REMINDER/AUTOMATED ATTENDANT TONE

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
2	Dial Tone sending	03	Progress Tone for Last Number Redial and Speed Dial when Using LCR	0 1◀	Not provided To provide	
		04	2nd DT sending on ISDN trunks	0 1◀	Not provided To provide	
		06	Dial Tone connection with Automated Attendant	0 1◀	No Dial Tone Dial Tone	CM30 Y=30-32 CM64 CM41 Y=0>43
		12	Dial Tone on setting Message Reminder	0 1◀	Special Dial Tone Dial Tone	
		13	Dial Tone on setting Call Forwarding-All Calls/Split Call Forwarding-All Calls			
		14	Dial Tone on setting Do Not Disturb			
		17	Hold Tone sent to other party on answering Whisper Page/Call Waiting NOTE	0 1◀	No Tone Hold Tone	

NOTE: *IPT (P2P CCIS) is fixed to Hold Tone regardless of this data setting.*

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COMMAND CODE	TITLE:
48	HOLD/WAKE UP/TIMED REMINDER/AUTOMATED ATTENDANT TONE

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
3	Music selection for Hold Tone	01	Music selection for Hold Tone	00 01 02 03 04 06 08 10 NONE◀	Nocturne Minuet Fur Elise The Maiden's Prayer When the saints go marching in Spring (by four seasons) Ich bin ein Musikante (German folk song) Amaryllis (French folk song) Minuet	
	NOTE: *CM48 Y=3 is effective only for Single Line Telephone/Digital Multiline Terminal. For IP Station, this data is not effective. IP Station uses the tone source in IP Adapter (Minuet).*					
	Short tone Control **[For EMEA]**	02	–	00 01 02 03 04 05 06 07 08 09 10 11 12 NONE◀	Netherlands Germany Italy Austria Belgium Spain Sweden UK/South Africa Denmark Greece Switzerland South Africa Malaysia Not used	

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COMMAND CODE	TITLE:
48	HOLD/WAKE UP/TIMED REMINDER/AUTOMATED ATTENDANT TONE

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
5	Announcement Standard SIP station No Answer	00	–	0500 NONE◀	To provide Not provided	CM12 Y=04 CM41 Y=0>01, 75 CM49 Y=00, 10
	Announcement-Standard SIP station Off Hook/Power Off/Cable Pulled Out	02	–			
7	External Tone Source per Unit	XX YY	XX: Unit No. (01-50) YY: External Tone Source No. (00-09)	X ≀ XXXX XXXX NONE◀	PGD (2) -U10 station number X: 0-9, A (*), B (#) Hold Tone Source on CPU blade	CM48 Y=0: 1300
	NOTE: *This command is effective when CM48 Y=0 is set to 1300.*					
8	External Tone Source for Wake Up Call per Unit	01 ≀ 50	Unit No.	X ≀ XXXX XXXX NONE◀	PGD (2)-U10 station number X: 0-9, A (*), B (#) Hold Tone Source on CPU blade	CM48 Y=1: 0200
	NOTE: *This command is effective when CM48 Y=1 is set to 0200.*					
9	Dummy Station for Time Notification by Multi-line	00	Dummy Station No.	X ≀ XXXX XXXX NONE◀	Station No. No data	CM57 Y=35
	NOTE: *The station number assigned by this command cannot be used as an ordinary station.*					

COMMAND CODE	TITLE:
49	VOICE RESPONSE SYSTEM

FUNCTION:

This command is used to define the function of each Voice Response System (VRS) accommodated into the system.

PRECAUTION:

None.

ASSIGNMENT PROCEDURE:

[ST] + 49YY + [DE] + VRS NUMBER (3 digits) / TENANT NUMBER (2 digits) + [DE] + DATA (2-5 digits) + [EXE]

DATA TABLE:

Y		VRS No./ TENANT No.	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
00	Function of Voice Response System	XXX: VRS number (000-015)	01 XX	1st Answering Message of Automated Attendant XX: Message No. (00-63)	CM08 CM64 CM30 Y=30, 31
			02 XX	2nd Answering Message/ Night Message of Automated Attendant XX: Message No. (00-63)	
			03000	Night Announcement Service	CM30 Y=02-05
			04 X Z	X: Announcement Service Group (0-4) Z: Announcement Service Message No. (0-9)	CM15 Y=034-039 CM35 Y=069-073
			05 XX	Message on Hold Service Transfer Trunk Line XX: Message No. (00-63)	CM48 Y=0
			06 XX	Transferred Trunk Line Message Service (No Answer) XX: Message No. (00-63)	CM65 Y=50

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COMMAND CODE	TITLE:
49	VOICE RESPONSE SYSTEM

Y		VRS No./ TENANT No.	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
00	Function of Voice Response System	XXX: VRS number (000-015)	07 XX	Transferred Trunk Line Message Service (Busy) XX: Message No. (00-63)	CM65 Y=51
			08 XX	Voice Message Waiting Service XX: Message No. (00-09)	CM15 Y=041, 042 CM20 Y=0-3: A113-A120
			09	Voice Message Waiting Service-Individual	
			0A00	Call Forwarding Intercept Announcement	CM51 Y=06-08
			0B0 XX	First Announcement of ACD/UCD Delay Announcement (for incoming trunk call) XX: ACD/UCD Group No. (00-99)	CM41 Y=0>16, 47 CM17 Y=A, C
			0B1 XX	UCD Delay Announcement (for Station call) XX: UCD Group No. (00-99)	CM41 Y=0>167-169 CM17 Y=2, D, E
			0C XX	Answering Message on Automatic Wake Up/Timed Reminder XX: Message No. (00-63)	CM20 Y=0-3: A024 CM41 Y=0>52 CM48 Y=1
			0D00	Announcement Service when the called station does not answer DID/Tie Line call NOTE	CM30 Y=02-05 CM41 Y=0>01 CM51 Y=00, 01
			0E00	Announcement Service when DID/Tie Line call terminates to busy station NOTE	CM30 Y=02-05 CM51 Y=03, 04

NOTE: *Announcement Service is not available for CCIS trunk.*

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COMMAND CODE	TITLE:
49	VOICE RESPONSE SYSTEM

Y		VRS No./ TENANT No.	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
00	Function of Voice Response System	XXX: VRS number (000-015)	0F XX	Attendant Delay Announcement XX: Message No. (00-63)	CM49 Y=0A CM35 Y=074 CM41 Y=0>16, 47
			10	Announcement Service for OAI	CM15 Y=59 CM41 Y=0>56 CMD7 Y=2
			11 XX	Second Announcement of ACD/UCD delay announcement (for incoming trunk call) XX: ACD/UCD Group No. (00-99) NOTE	CM17 Y=2, C CM41 Y=0>47 CM49 Y=00-0B0XX
			12 XX	ACD/UCD Overflow Announcement XX: ACD/UCD Group No. (00-99)	CM17 Y=2, C CM41 Y=0>66
			13 XX	Announcement-Standard SIP station No Answer XX: Message Group No. (00-63)	CM41 Y=0>01, 75 CM48 Y=5 CM49 Y=10
			15 XX	Announcement-Standard SIP station Off Hook/Power Off/ Cable Pulled Out XX: Message Group No. (00-63)	CM41 Y=0>01, 75 CM48 Y=5 CM49 Y=10
			16 XX	Multi-connection Announcement Service for OAI XX: Message Group No. (02-63)	CM17 Y=1, A CM41 Y=0>67 CMD7 Y=2

NOTE: *VRS assigned for the second announcement of ACD/UCD delay announcement can connect a maximum of 8 calls all together per trunk.*

Continued on next page

COMMAND CODE	TITLE:
49	VOICE RESPONSE SYSTEM

◀: Default

Y		VRS No./ TENANT No.	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
00	Function of Voice Response System	XXX: VRS number (000-015)	17 XX	Voice Guide XX: Message No. (00-63)	CM15 Y=116 CM49 Y=13 CM48 Y=2
			1800	Announcement Service for Queue Limit for TAS/Over-flow for TAS Queue	CM51 Y=26, 30
			1900	Restriction Announcement for Wake Up call	
			21 XX	Announcement Service for Call Forwarding-Logout (IP Station) XX: Message Group No. (00-63)	CM15 Y=481 CM41 Y=0>102 CM49 Y=14 CM51 Y=32
			2200	Announcement Service for the rejected calling number information	CM51 Y=33 CM35 Y=254-257 CM76 Y=33-36
			2300	Restriction announcement for an incoming call with calling party number	CM51 Y=34 CM41 Y=0>45
			24 XX	VRS Waiting Message (1st/ 2nd) XX: VRS Waiting Message No. (00-63)	CM35 Y=324-331 CM76 Y=49-56
			2500	Guide announcement when setting Wake Up Call/Timed Reminder [9300V3]	CM48 Y=1>01
			2600	Answering announcement for Wake Up Call with Snooze [9300V3]	CM20 Y=0-3: A274 CM48 Y=1>00
			NONE◀	No data	

Continued on next page

COMMAND CODE	TITLE:
49	VOICE RESPONSE SYSTEM

◀: Default

Y		VRS No./ TENANT No.	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
01	Message No. of 1st Answering Message of Automated Attendant	00-63: Tenant No.	00-63 NONE◀	Message No. assigned by CM49 Y=00 No data	CM49 Y=00
02	Message No. of 2nd Answering Message/ Night Message of Automated Attendant				CM49 Y=00
05	Message No. of Hold Service				CM48 Y=0 CM49 Y=00
06	Message No. of Transferred Trunk Line (No Answer)	Tenant No. of transferring station should be set.			CM49 Y=00 CM65 Y=50
07	Message No. of Transferred Trunk Line (Busy)				CM49 Y=00 CM65 Y=51
08	Message No. of Automatic Wake Up/ Timed Reminder				CM49 Y=00 CM48 Y=1
0A	Message No. of Attendant Delay Announcement				CM49 Y=00
10	Message Group No. of Standard SIP Station No Answer				CM49 Y=00
12	Message Group No. of Standard SIP Station call Forwarding-Not Available				CM49 Y=00

Continued on next page

COMMAND CODE	TITLE:
49	VOICE RESPONSE SYSTEM

◀: Default

Y		VRS No./ TENANT No.	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
13	Message No. of Voice Guide	00: When Message Reminder is set 01: When service is set 02: When service is canceled 03: When Call Forwarding-All Calls/Do Not Disturb is set	00-63 NONE◀	Message No. assigned by CM49 Y=00 (Not available for IP Station) No data	CM48 Y=2 CM49 Y=00: 17XX
14	Message Group of Call Forwarding-Logout (IP Station) Announcement service	00-63: Tenant No.	00-63 NONE◀	Message Group No. assigned by CM49 Y=00 No data	CM10 CM42 CM49 Y=00: 21XX

COMMAND CODE	TITLE:
4A	DAY/NIGHT MODE CHANGE BY SYSTEM CLOCK, AUTOMATIC RC/DND MODE SELECT BY SYSTEM CLOCK, DO NOT DISTURB-GROUP, ROOM CUTOFF-GROUP, TIMED NOTIFICATION, ECOLOGY MODE

FUNCTION:

This command is used to assign the schedule of Day/Night Mode Change and Automatic RC/DND Mode select by System Clock, Do Not Disturb-Group, Room Cutoff-Group, Timed Notification and Ecology Mode.

PRECAUTION:

(1) For Automatic Day/Night Mode Change

- For the normal operation of Automatic Day/Night Mode Change by System Clock, Day/Night Mode Change by the external key, by service access code or feature key, by Attendant Console should not be executed.
- Automatic Day/Night Mode Change can be set to each tenant.
- Automatic Day/Night Mode Change can be set, whether two kinds of mode (Day/Night Mode) or four kinds of mode (Day/Night Mode/Mode A/Mode B) is set.
- If the following settings is executed, Automatic Day/Night Mode Change may not be operated correctly.
  - Day/Night Mode is changed by function keys.
  - Day/Night Mode is changed by external keys.
  - Day/Night Mode is changed by Attendant console.
- Trunk Restriction Class can be changed according to the schedule of Day/Night Mode Change by System Clock. This is assigned by CM65 Y=36 and available for two kinds of mode (Day Mode/Night Mode only).
- Automatic Day/Night Mode Change becomes available 4-8 seconds later after the command setting.

(2) For Automatic RC/DND Mode Select

- Automatic RC/DND Mode Select can not be set a calendar to each tenant.
- RC/DND Mode Select of each terminal by function key can be set while Automatic RC/DND Mode Select is operating.
- Automatic RC/DND Mode Select becomes available about 25 seconds later after setting the command.

ASSIGNMENT PROCEDURE:

[ST] + 4AYY + [DE] + 1ST DATA (1-4 digits) + [DE] + 2ND DATA (1/2 digits) + [EXE]

COMMAND CODE	TITLE:
4A	DAY/NIGHT MODE CHANGE BY SYSTEM CLOCK, AUTOMATIC RC/DND MODE SELECT BY SYSTEM CLOCK, DO NOT DISTURB-GROUP, ROOM CUTOFF-GROUP, TIMED NOTIFICATION, ECOLOGY MODE

DATA TABLE:

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
00	Calendar No.	00-63 100	Tenant No. 00-63 System	00 01 02 03 NONE◀ CCC	Calendar No. 1 Calendar No. 2 Calendar No. 3 Calendar No. 4 No data Data clear

NOTE 1: *This command is shared by the following features: Automatic Day/Night Mode change by System Clock; Ecology Mode; Do Not Disturb by Front Desk Terminal; Room Cutoff by Front Desk Terminal; and Timed Notification.*

NOTE 2: *The Timed Notification feature can be used together with other sharing features (Automatic Day/Night Mode change by System Clock, Ecology Mode, Do Not Disturb by Front Desk Terminal, and Room Cutoff by Front Desk Terminal). However, these features other than the Timed Notification cannot be used at the same time. Therefore, you can set only one feature from among them.*

NOTE 3: *The first data 100 is ineffective for the Day/Night Mode change by System Clock and Ecology Mode features. It is effective only for the Do Not Disturb-Group, Room Cutoff-Group and Timed Notification features.*

Continued on next page

COMMAND CODE	TITLE:
4A	DAY/NIGHT MODE CHANGE BY SYSTEM CLOCK, AUTOMATIC RC/DND MODE SELECT BY SYSTEM CLOCK, DO NOT DISTURB-GROUP, ROOM CUTOFF-GROUP, TIMED NOTIFICATION, ECOLOGY MODE

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
01 02 03 04	Calendar No. 1 Calendar No. 2 Calendar No. 3 Calendar No. 4	XX ZZ	XX : 01-12: Month ZZ : 01-31: Date	10 11 12 13	Week schedule No. 0 Week schedule No. 1 Week schedule No. 2 Week schedule No. 3
				20 21 22 23 24 25 26 27	Time schedule No. 0 Time schedule No. 1 Time schedule No. 2 Time schedule No. 3 Time schedule No. 4 Time schedule No. 5 Time schedule No. 6 Time schedule No. 7
				NONE◀ CCC	Week schedule No. 0 Data clear
	NOTE: *This command is shared by the Day/Night Mode change by System Clock, Automatic RC/DND Mode Select by System Clock, Do Not Disturb-Group, Room Cutoff-Group, Timed Notification and Ecology Mode features. Therefore, except Timed Notification feature that a combined use is available, only one of those can be set at the same hour.*				
10 11 12 13	Week schedule No. 0 Week schedule No. 1 Week schedule No. 2 Week schedule No. 3	0 1 2 3 4 5 6	Sunday Monday Tuesday Wednesday Thursday Friday Saturday	20 21 22 23 24 25 26 27 NONE◀ CCC	Time schedule No. 0 Time schedule No. 1 Time schedule No. 2 Time schedule No. 3 Time schedule No. 4 Time schedule No. 5 Time schedule No. 6 Time schedule No. 7 Time schedule No. 0 Data clear
	NOTE: *This command is shared by the Day/Night Mode change by System Clock, Automatic RC/DND Mode Select by System Clock, Do Not Disturb-Group, Room Cutoff-Group, Timed Notification and Ecology Mode features. Therefore, except Timed Notification feature that a combined use is available, only one of those can be set at the same hour.*				

Continued on next page

COMMAND CODE	TITLE:
4A	DAY/NIGHT MODE CHANGE BY SYSTEM CLOCK, AUTOMATIC RC/DND MODE SELECT BY SYSTEM CLOCK, DO NOT DISTURB-GROUP, ROOM CUTOFF-GROUP, TIMED NOTIFICATION, ECOLOGY MODE

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
20	Time schedule No. 0	XX ZZ	XX : 00-23: Hour	00	Day Mode
21	Time schedule No. 1		ZZ : 00-55: Minute	01	Night Mode
22	Time schedule No. 2		(5 minutes incre-	02	Mode A
23	Time schedule No. 3		ments)	03	Mode B
24	Time schedule No. 4			10	Multiline Terminal Power Saving Switching Pattern 0
25	Time schedule No. 5				
26	Time schedule No. 6			11	Multiline Terminal Power Saving Switching Pattern 1
27	Time schedule No. 7				
				12	Multiline Terminal Power Saving Switching Pattern 2
				13	Multiline Terminal Power Saving Switching Pattern 3
				14	Multiline Terminal Power Saving Switching Pattern 4
				15	Multiline Terminal Power Saving Switching Pattern 5
				16	Multiline Terminal Power Saving Switching Pattern 6
				17	Multiline Terminal Power Saving Switching Pattern 7
				18	Multiline Terminal Power Saving Switching Pattern 8
				19	Multiline Terminal Power Saving Switching Pattern 9
				50	System Service No. 0
				51	System Service No. 1
				52	System Service No. 2
				53	System Service No. 3
				54	System Service No. 4
				55	System Service No. 5
				56	System Service No. 6
				57	System Service No. 7

Continued on next page

COMMAND CODE	TITLE:
4A	DAY/NIGHT MODE CHANGE BY SYSTEM CLOCK, AUTOMATIC RC/DND MODE SELECT BY SYSTEM CLOCK, DO NOT DISTURB-GROUP, ROOM CUTOFF-GROUP, TIMED NOTIFICATION, ECOLOGY MODE

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
20 21 22 23 24 25 26 27	Time schedule No. 0 Time schedule No. 1 Time schedule No. 2 Time schedule No. 3 Time schedule No. 4 Time schedule No. 5 Time schedule No. 6 Time schedule No. 7	XX ZZ	XX : 00-23: Hour ZZ : 00-55: Minute (5 minutes increments)	NONE◀ CCC	Day Mode/No Change System Service Data clear
	NOTE 1: *The time of time schedule is specified in units of 5 minutes. Set the last one digit of the "Minute" of the first data in units of 0 or 5 (truncation).* **NOTE 2:** *This command is shared by the Day/Night Mode change by System Clock, Automatic RC/DND Mode Select by System Clock, Do Not Disturb-Group, Room Cutoff-Group and Ecology Mode features. Therefore, only one of those can be set at the same hour.*				
30 31 32 33 34 35 36 37	Time schedule No. 0 (2nd Service) Time schedule No. 1 (2nd Service) Time schedule No. 2 (2nd Service) Time schedule No. 3 (2nd Service) Time schedule No. 4 (2nd Service) Time schedule No. 5 (2nd Service) Time schedule No. 6 (2nd Service) Time schedule No. 7 (2nd Service)	XX ZZ	XX : 00-23: Hour ZZ : 00-55: Minute (5 minutes increments)	00 01 02 03 NONE◀	Calling Station for Time Notification Group 01 Calling Station for Time Notification Group 02 Calling Station for Time Notification Group 03 Calling Station for Time Notification Group 04 No service
	NOTE 1: *The time of time schedule is specified in units of 5 minutes. Set the last one digit of the "Minute" of the first data in units of 0 or 5 (truncation).* **NOTE 2:** *The service set by this command and the service such as Day/Night Mode change set by CM4A Y=20-27 can be started up at the same time.*				

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COMMAND CODE	TITLE:
4A	DAY/NIGHT MODE CHANGE BY SYSTEM CLOCK, AUTOMATIC RC/DND MODE SELECT BY SYSTEM CLOCK, DO NOT DISTURB-GROUP, ROOM CUTOFF-GROUP, TIMED NOTIFICATION, ECOLOGY MODE

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
50	System Service No. 0	00	Room cut off (RC)	0	Set
51	System Service No. 1	01	Do not Disturb (DND)	1◀	Reset
52	System Service No. 2				
53	System Service No. 3				
54	System Service No. 4				
55	System Service No. 5				
56	System Service No. 6				
57	System Service No. 7				
90	Default pattern OFF LINE ☞ See • Default Pattern	00-63	Tenant No. 00-63	00 01 02 03 NONE◀ CCC	Default Pattern No. 0 Default Pattern No. 1 Default Pattern No. 2 Default Pattern No. 3 No data Data clear

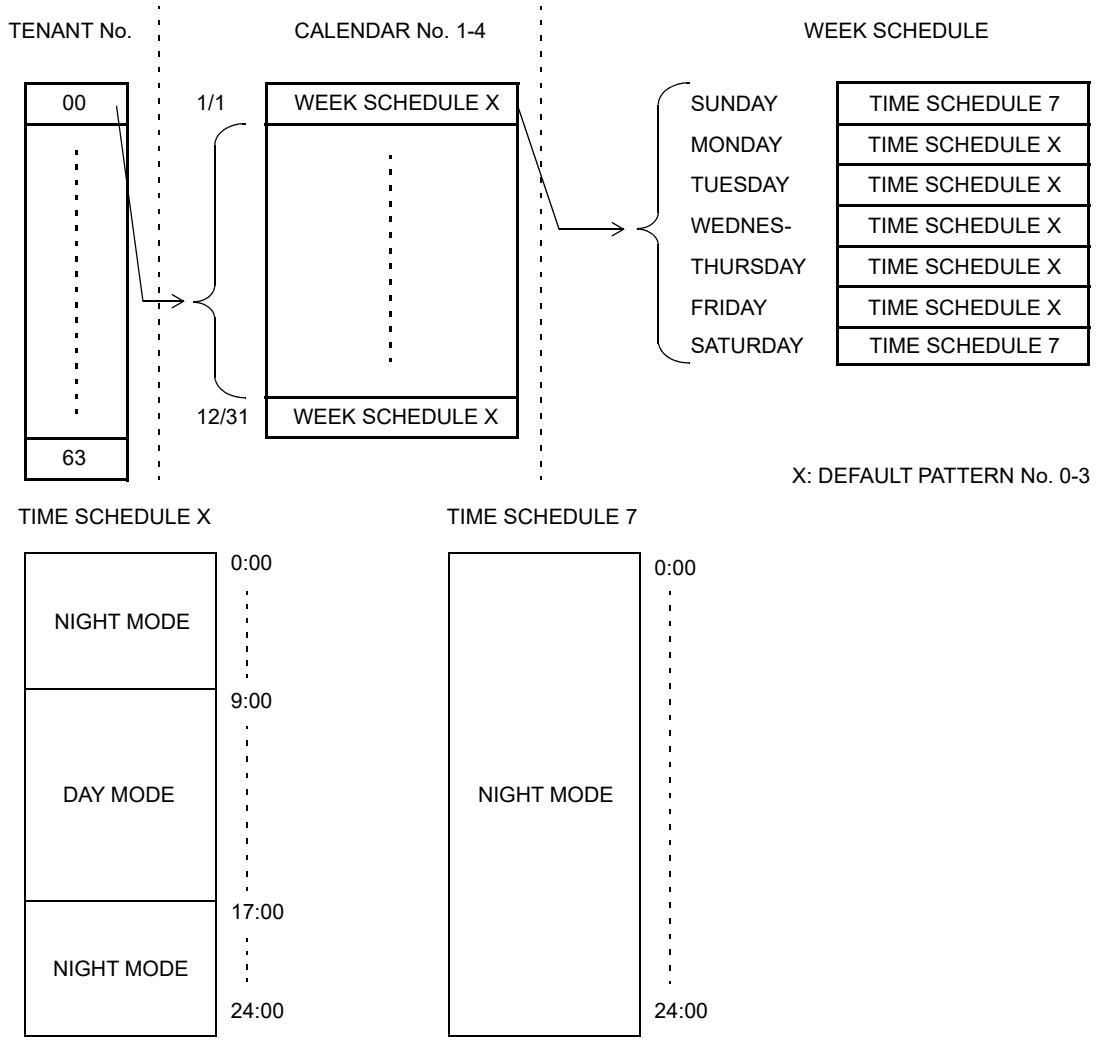
Continued on next page

COMMAND CODE	TITLE:
4A	DAY/NIGHT MODE CHANGE BY SYSTEM CLOCK, AUTOMATIC RC/DND MODE SELECT BY SYSTEM CLOCK, DO NOT DISTURB-GROUP, ROOM CUTOFF-GROUP, TIMED NOTIFICATION, ECOLOGY MODE

- Default Pattern
  By assigning CM4A Y=90; Default Pattern No. 0-3, you can simplify the schedule assignment for each tenant.
  The schedule of each Default Pattern can be changed after the Default Pattern has been assigned.

The following shows the summary of the Default Pattern and the schedule set by each Default Pattern.

Summary of Default Pattern



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COMMAND CODE	TITLE:
4A	DAY/NIGHT MODE CHANGE BY SYSTEM CLOCK, AUTOMATIC RC/DND MODE SELECT BY SYSTEM CLOCK, DO NOT DISTURB-GROUP, ROOM CUTOFF-GROUP, TIMED NOTIFICATION, ECOLOGY MODE

Default Pattern of Time Schedule (CM4A Y=90)

- Default Pattern No. 0 (CM4A Y=90 2nd data: 00)

CM4A Y No.	1ST	2ND	MEANING OF SETTING
00	00-63	00	Calendar No. 1 is used for the tenant
01	0101-1231	10	Week schedule No. 0 is used for all date
10	1-5	20	Time schedule No. 0 is used for Monday through Friday
10	0, 6	27	Time schedule No. 7 is used for Saturday and Sunday
20	0000-0855	01	0:00-9:00 is Night Mode for Time schedule No. 0
20	0900-1655	00	9:00-17:00 is Day Mode for Time schedule No. 0
20	1700-2355	01	17:00-24:00 is Night Mode for Time schedule No. 0
27	0000-2355	01	0:00-24:00 is Night Mode for Time schedule No. 7

- Default Pattern No. 1 (CM4A Y=90 2nd data: 01)

CM4A Y No.	1ST	2ND	MEANING OF SETTING
00	00-63	01	Calendar No. 2 is used for the tenant
02	0101-1231	11	Week schedule No. 1 is used for all date
11	1-5	21	Time schedule No. 1 is used for Monday through Friday
11	0, 6	27	Time schedule No. 7 is used for Saturday and Sunday
21	0000-0855	01	0:00-9:00 is Night Mode for Time schedule No. 1
21	0900-1655	00	9:00-17:00 is Day Mode for Time schedule No. 1
21	1700-2355	01	17:00-24:00 is Night Mode for Time schedule No. 1
27	0000-2355	01	0:00-24:00 is Night Mode for Time schedule No. 7

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COMMAND CODE	TITLE:
4A	DAY/NIGHT MODE CHANGE BY SYSTEM CLOCK, AUTOMATIC RC/DND MODE SELECT BY SYSTEM CLOCK, DO NOT DISTURB-GROUP, ROOM CUTOFF-GROUP, TIMED NOTIFICATION, ECOLOGY MODE

Default Pattern of Time Schedule (CM4A Y=90)

- Default Pattern No. 2 (CM4A Y=90 2nd data: 02)

CM4A Y No.	1ST	2ND	MEANING OF SETTING
00	00-63	02	Calendar No. 3 is used for the tenant
03	0101-1231	12	Week schedule No. 2 is used for all date
12	1-5	22	Time schedule No. 2 is used for Monday through Friday
12	0, 6	27	Time schedule No. 7 is used for Saturday and Sunday
22	0000-0855	01	0:00-9:00 is Night Mode for Time schedule No. 2
22	0900-1655	00	9:00-17:00 is Day Mode for Time schedule No. 2
22	1700-2355	01	17:00-24:00 is Night Mode for Time schedule No. 2
27	0000-2355	01	0:00-24:00 is Night Mode for Time schedule No. 7

- Default Pattern No. 3 (CM4A Y=90 2nd data: 03)

CM4A Y No.	1ST	2ND	MEANING OF SETTING
00	00-63	03	Calendar No. 4 is used for the tenant
04	0101-1231	13	Week schedule No. 3 is used for all date
13	1-5	23	Time schedule No. 3 is used for Monday through Friday
13	0, 6	27	Time schedule No. 7 is used for Saturday and Sunday
23	0000-0855	01	0:00-9:00 is Night Mode for Time schedule No. 3
23	0900-1655	00	9:00-17:00 is Day Mode for Time schedule No. 3
23	1700-2355	01	17:00-24:00 is Night Mode for Time schedule No. 3
27	0000-2355	01	0:00-24:00 is Night Mode for Time schedule No. 7

COMMAND CODE	TITLE:
4B	ROOM STATUS CODE

FUNCTION:

This command is used to assign the functions for each Room Status Code which is dialed from a guest room or a Front Desk Terminal.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

ST + 4BYY + DE + 1ST DATA (3 digits) + DE + 2ND DATA (1 digit) + EXE

DATA TABLE:

◀: Default

Y	1ST DATA		2ND DATA		RELATED COMMAND
	DATA	MEANING	DATA	MEANING	
00	X00	Room Cutoff set/reset X: Room Status Code 1-8	1 2 NONE◀	To set To reset Not available	
	X01	Do Not Disturb set/reset X: Room Status Code 1-8	1 2 NONE◀	To set To reset Not available	
	X02	Wake Up Call reset X: Room Status Code 1-8	1 NONE◀	Available Not available	
	X03	Message Waiting set/reset X: Room Status Code 1-8	1 2 NONE◀	To set To reset Not available	
	X05	Room Status Code dialing from guest room is allowed X: Room Status Code 1-8	1 NONE◀	Allow Not allowed	
		NOTE: *This data is not effective when CM04 Y=01>10: 0 (Control method for Hotel Feature is set to PMS).*			

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COMMAND CODE	TITLE:
4B	ROOM STATUS CODE

◀: Default

Y	1ST DATA		2ND DATA		RELATED COMMAND
	DATA	MEANING	DATA	MEANING	
00	X06	Change of Trunk Restriction Class X: Room Status Code 1-8	1 2 3 4 5 6 7 8 9 NONE◀	Unrestricted (RCA) Non-Restricted 1 (RCB) Non-Restricted 2 (RCC) Semi-Restricted 1 (RCD) Semi-Restricted 2 (RCE) Restricted 1 (RCF) Restricted 2 (RCG) Fully-Restricted (RCH) Restriction reset (according to the setting of CM12 Y=01) Not available	
	X07	Check Out lamp control on DSS Console X: Room Status Code 1-8	1 2 3 4 NONE◀	Lamp OFF Flash (slowly) Flash (120 IPM) Lamp ON Not controlled	

COMMAND CODE	TITLE:
50	COMMON ROUTE INDIAL

FUNCTION:

This command is used to assign LDNs (Listed Directory Numbers) to common route indial lines. When these numbers are dialed into the system (either on an incoming tie line or an incoming C.O. line set up for indialing), the call will appear at a specified call identification key on the attendant console.
The system allows digits to be added to or deleted from indialed numbers on a route basis.This command, in conjunction with CM35 Y=017, allows two extra leading digits to be specified.
The common route indial facility allows up to eight LDNs to be identified. In addition, this command assigns the access code to be sent to a Voice Message System (VMS) before/after a Mail Box number.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + 50YY + [DE] + KIND OF DATA (1/2 digits) + [DE] + DATA (1-12 digits) + [EXE]

COMMAND CODE	TITLE:
50	COMMON ROUTE INDIAL

DATA TABLE:

◀: Default

Y	KIND OF DATA		SETTING DATA	
	CODE	MEANING	DATA	MEANING
00	0	Two leading digits to be added **NOTE 1:** *CM35 Y=017 allows digits to be added or deleted from indialed digit streams on a route basis.*	XX (2 digits) NONE◀	Digits to be added No data
	3	Access Code to be sent out before a Mail Box number **NOTE 2, NOTE 3**	XX ~ XXXX (2-4 digits) NONE◀	Access Code to be sent out to a VMS X: 0-9, A (*), B (#), C/D (Pause) Not to be sent out
	4	Access Code to be sent out after a Mail Box number **NOTE 2, NOTE 3**		
	8	Access Code to be added to the calling station number when a call is terminated from a station. This assignment is required to call back from the analog telephone for Caller ID-Station. **[North America Only]**	X ~ XXXX (1-4 digits) NONE◀	Access Code to be added X: 0-9, A (*), B (#) No data

NOTE 2: *"C" or "D" should not be assigned as the first digit of an access code to insert a prepause timing.*
Assign the prepause timing by CM41 Y=0>44.

NOTE 3: *If "C" is inserted in the access code, it can be used as a pause (1.5 seconds).*
To provide the programmable pause, insert "D" instead of "C".
(Programmable pause; CM41 Y=0>38)

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COMMAND CODE	TITLE:
50	COMMON ROUTE INDIAL

◀: Default

Y	KIND OF DATA		SETTING DATA	
	CODE	MEANING	DATA	MEANING
01	0 1 ~ 8	Effective data in CM35 Y=015 LDN 0 key (Data 00 in CM90) ~ ~ LDN 7 key (Data 07 in CM90) **NOTE 1**	X ~ XXXX (1-4 digits) NONE◀	Dialed number **NOTE 2** No data
02	0 1 ~ 8	Effective data in CM35 Y=015 TIE 0 key (Data 40 in CM90) ~ ~ TIE 7 key (Data 47 in CM90) **NOTE 1**	X ~ XXXX (1-4 digits) NONE◀	Dialed number **NOTE 2** No data
05	00 ~ 14	ISDN/SIP Local Office Code Table No. 00 ~ ISDN/SIP Local Office Code Table No. 14 **NOTE 3** ☞ See CM12 Y=12, 13, 46, 47	XX...XX (Maximum 12 digits) NONE◀	ISDN/SIP Local Office Code No data
07	0	Number to be added to the station number for sending BLF message via CCIS (for Open Numbering system)	X ~ XXXX (1-4 digits) NONE◀	Access Code + Originating Office Number X: 0-9, A (*), B (#) Not added
08	0 ~ 7	Destination No. 0-7 for sending BLF message via CCIS ☞ See CM12 Y=30-37	00001 ~ 16367 NONE◀	Destination Point Code Not sent
10	0	Abbreviated code of the VMS number for Voice Mail Live Record-CCIS set by CM72 Y=0 ☞ See CM71>66, CM72 Y=0	00 ~ 99 NONE◀	Abbreviated code No data

NOTE 1: *Data set by CM50 Y=01 and Y=02 are overridden by data set in CM58.*
NOTE 2: *Assign different number from any number assigned by CM10 and CM11.*
NOTE 3: *A toll number is allowed to be included in an ISDN/SIP Local Office Code.*

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COMMAND CODE	TITLE:
50	COMMON ROUTE INDIAL

◀: Default

Y	KIND OF DATA		SETTING DATA	
	CODE	MEANING	DATA	MEANING
11	0 ~ 7	Pattern number for adding an access code for outgoing call to the calling number recalled by Message Reminder when terminating a SIP trunk or a tandem call via CCIS See CM35 Y=279	X ~ XXXXXX (1-6 digits) NONE◀	Access Code for outgoing call X: 0-9, A (*), B (#) No data
12	0	Local Area Code and Mobility Access Prefix **[For EMEA]**	X ~ XXXXXXXX (1-8 digits) NONE◀	Local Area Code + Mobility Access Prefix Code X: 0-9, A (*), B (#) No data
15	0 ~ 7	Operation type of prefix **[For EMEA]**	0 1 7◀	Mobility Access station called Internal/External station called No data
16	0 ~ 7	Prefix code **[For EMEA]**	X ~ XXXXXXXX (1-8 digits) NONE◀	Prefix Code X: 0-9, A (*), B (#) No data
	NOTE 1: *Do not assign the same Prefix Code redundantly.* **NOTE 2:** *Do not assign the same number for the head of Prefix Code redundantly such as the data setting of CM50 Y=16>0: 1 and CM50 Y=16>1: 12.*			

COMMAND CODE	TITLE:
51	AUTOMATIC TRANSFER DESTINATIONS

FUNCTION:

This command is used to define destinations for different types of diversion.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

ST + 51YY + DE + GROUP NUMBER (2 digits) + DE + DATA (1-8 digits) + EXE

DATA TABLE:

◀: Default

Y		GROUP NUMBER		SETTING DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
00	Transfer destination of incoming call when a station does not answer the call within a pre-determined time (for DID call) See CM41 Y=0>01, CM49 Y=00: 0D00	00 ~ 63	Tenant 00 ~ Tenant 63	X ~ XXXXXXXX E000 EBXXX NONE◀	Station No. Attendant Console Voice Response system No. XXX: 000-015 No data
01	Same as CM51 Y=00 (for Tie Line call)				
03	Transfer destination of incoming call when a station is busy (for DID call) See CM49 Y=00: 0E00				
04	Same as CM51 Y=03 (for Tie Line call)				
06	Transfer destination of incoming call when an unassigned number is dialed (for DID call) (Effective when CM08>032 is 1) See CM08>032, CM49 Y=00: 0A00			E000 EBXXX NONE◀	Attendant Console Voice Response system No. XXX: 000-015 No data
07	Transfer destination of incoming call when an unassigned number is dialed (for Tie Line call) (Effective when CM08>032 is 1) See CM08>032				

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COMMAND CODE	TITLE:
51	AUTOMATIC TRANSFER DESTINATIONS

◀: Default

Y		GROUP NUMBER		SETTING DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
08	Transfer destination of incoming call when an unassigned number is dialed (for station call)	00 ~ 63	Tenant 00 ~ Tenant 63	E000 X ~ XXXXXXXX EBXXX NONE◀	Attendant Console Station No. Voice Response system No. XXX: 000-015 No data
09	Transfer destination of incoming call when a called station is set to Call Forwarding-All Calls/Busy Line/No Answer and the destination of forwarded call is set to the Attendant Console Night Mode is set (for DID/DIT/Tie Line call)			X ~ XXXXXXXX E000 NONE◀	Station No. Attendant Console No data
	Transfer destination of incoming call when Do Not Disturb is set to the Attendant Console Night Mode is set assigned by CM51 Y=10 (for DID/Tie Line call)				
10	Transfer destination of incoming call when Do Not Disturb is set to the called station (for DID/DIT/Tie line/station call)			X ~ XXXXXXXX E000 NONE◀	Station No. Attendant Console No data
	NOTE: *This data is available when CM08>240 is set to 1.*				
11	Transfer destination of the call when the Room Cutoff station dials C.O. access code	00 ~ 63	Tenant 00 ~ Tenant 63	X ~ XXXXXXXX E000 NONE◀	Station No. Attendant Console No data
12	Transfer destination of Off-Hook Alarm/Priority Call 0/1 ☞ See CM08>250, 251, CM13 Y=02, CM15 Y=017, 018				
13	Transfer destination of the call when a station dials the operator access code of Attendant Console is in Night Mode ☞ See CM60 Y=00	00 01 02 03	ATT Group 0 ATT Group 1 ATT Group 2 ATT Group 3	X ~ XXXXXXXX NONE◀	Station No. No data

Continued on next page

COMMAND CODE	TITLE:
51	AUTOMATIC TRANSFER DESTINATIONS

◀: Default

Y		GROUP NUMBER		SETTING DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
14	Destination of House Phone See CM12 Y=03	00 01 02 03	House Phone Group 0 House Phone Group 1 House Phone Group 2 House Phone Group 3	X ~ XXXXXXXX E000 NONE◀	Station No. Attendant Console No data
	NOTE: *If a transferred station number for a house phone call and a transferred station number for off-hook alarm are the same, this service is not effective.*				
	Destination of Fax Station See CM12 Y=03	00 01 02 03	FAX Call Group 0 FAX Call Group 1 FAX Call Group 2 FAX Call Group 3	X ~ XXXXXXXX NONE◀	Fax Station No. No data
15	Destination of the call from the station to which Message Waiting has been set/VMS station for each tenant See CM13 Y=13	00 ~ 63	Tenant 00 ~ Tenant 63	X ~ XXXXXXXX E000 NONE◀	Station No./VMS Station No. Attendant Console No data
16	Alarm display on Multiline Terminal See CM90 Y=00: F5020	01 02	Multiline Terminal No. 1 Multiline Terminal No. 2	X ~ XXXXXXXX NONE◀	My line number of Multiline Terminal No data
	Emergency Notification on Multiline Terminal/DESKCON See CM90 Y=00: F5025 (for Multiline Terminal) See CM90 Y=00: F6124 (for DESKCON)	04 05	Multiline Terminal/ DESKCON No. 1 Multiline Terminal/ DESKCON No. 2	X ~ XXXXXXXX or E000 ~ E007 NONE◀	Station No. Attendant Console 0-7 No data

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COMMAND CODE	TITLE:
51	AUTOMATIC TRANSFER DESTINATIONS

◀: Default

Y		GROUP NUMBER		SETTING DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
17	Destination of the call after the first time interval of ACD/UCD Delay Announcement (for incoming trunk call)	00 ~ 63	Tenant 00 ~ Tenant 63	X ~ XXXXXXXX E000 NONE◀	Station No. Attendant Console No data
18	Transfer destination (to VMS) of the call that is set Camp-On and not answered/Transfer destination for Call Redirect			X ~ XXXXXX NONE◀	VMS Station No. No data
20	Destination (to VMS) of Call Forwarding-Not Available in Standard SIP Station				
21	Destination of Alternate Hold Recall for Enhanced Trunk Direct Appearance			X ~ XXXXXXXX NONE◀	Station No. No data
22	Transfer destination of the call for Call Redirect				
26	Transfer destination of call forwarding by Queue Limit for TAS/Overflow for TAS Queue (for Day Mode) See CM49 Y=00: 1800			X ~ XXXXXXXX E000 EBXXX NONE◀	Station No. Attendant Console Voice Response system No. XXX: 000-015 No data
27	Same as CM51 Y=26 (for Night Mode)				
28	Same as CM51 Y=26 (for Mode A)				
29	Same as CM51 Y=26 (for Mode B)				
30	Station number which is sent as Call Forwarding station to destination VMS/station/Attendant Console, by Call Forwarding by Queue Limit for TAS/Overflow for TAS Queue			X ~ XXXXXXXX NONE◀	Station No. No data
31	Destination of Attendant Overflow			X ~ XXXXXXXX NONE◀	Station No./Virtual Line Station No. assigned by CM11 No data

Continued on next page

COMMAND CODE	TITLE:
51	AUTOMATIC TRANSFER DESTINATIONS

◀: Default

Y		GROUP NUMBER		SETTING DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
32	Destination of Call Forwarding-Logout (IP Station) See CM49 Y=00: 21 XX	00 ~ 63	Tenant 00 ~ Tenant 63	EBXXX NONE◀	Voice Response system No. XXX: 000-015 No data
33	Transfer destination of the call when the calling number is not informed from network See CM49 Y=00: 2200			X ~ XXXXXXXX E000 EBXXX NONE◀	Station No. Attendant Console Voice Response system No. XXX: 000-015 No data
	NOTE: *Set the transfer destination by this command when reason of the incoming call with no CLI is "Privacy".*				
34	Transfer destination of the call when an incoming trunk call with calling party number is restricted by CM35 Y=303/CM76 Y=42 See CM35 Y=303, CM76 Y=42	00 ~ 63	Tenant 00 ~ Tenant 63	X ~ XXXXXXXX E000 EBXXX NONE◀	Station No. Attendant Console Voice Response system No. XXX: 000-015 No data
35	Destination of Call Forwarding when Suite Room station is busy			X ~ XXXXXXXX E000 NONE◀	Station No. Attendant Console No data
36	Transfer destination of incoming call when reason of the incoming call with no CLI is [Out of Area]			X ~ XXXXXXXX E000 EBXXX NONE◀	Station No. Attendant Console Voice Response system No. XXX: 000-015 No data
37	Transfer destination of incoming call when reason of the incoming call with no CLI is [Coin Box]				

COMMAND CODE	TITLE:
52	HOT LINE/DELAYED HOTLINE

FUNCTION:

This command is used to assign a Hot Line/Delayed Hotline to stations, Attendant Consoles and trunks.

PRECAUTION:

(1) The maximum number of Hot Lines/Delayed Hotlines is 100, and the connection is one-way from calling side to called side. For connection in the opposite direction, the calling and called side must be assigned to another Hot Line/Delayed Hotline number. If all the Hot Lines/Delayed Hotlines are to be made bothway lines, the maximum number of Hot Lines/Delayed Hotlines is 50.

(2) When assigning a station number to a Calling Side, the second data of CM12 Y=03 must be set to "4" (Hot Line/Delayed Hotline).

(3) If Hot Line-Outside/Delayed Hotline-Outside is assigned by CM52, data assignment of CM71 and CM72 are required.

ASSIGNMENT PROCEDURE:

[ST] + 52YY + [DE] + CALLING SIDE/ CALLED SIDE (1 digit) + [DE] + DATA (1-8 digits) + [EXE]

COMMAND CODE	TITLE:
52	HOT LINE/DELAYED HOTLINE

DATA TABLE:

Hot Line/Delayed Hotline

◀: Default

Y		CALLING/CALLED		SETTING DATA	
No.	MEANING			DATA	MEANING
00 ~ 99	Hot Line/Delayed Hotline Pair number 00-99	0	Calling Side	X ~ XXXXXXXX NONE◀	Station No./Virtual Station No. See CM12 Y=03 NOTE No data
		1	Called Side	X ~ XXXXXXXX	Station No. NOTE
				E00X	Attendant Console No. (X: 0-7) See CM10
				CXX	Trunk outgoing call XX: Abbreviated code exclusively for Hotline-Outside call assigned by CM71>65 (Up to 100 memories) See CM71>65, CM72
				NONE◀	No data

FAX Incoming Call Lamp Indication

◀: Default

Y		CALLING/CALLED		SETTING DATA	
No.	MEANING			DATA	MEANING
00 ~ 99	Pair number 00-99	0	Calling Side	X ~ XXXXXXXX NONE◀	Fax Call Station No. NOTE No data
		1	Called Side	X ~ XXXXXXXX NONE◀	Fax Station No. NOTE No data

NOTE: *Do not assign station number with first digit "0".*

COMMAND CODE	TITLE:
53	TRUNK ANSWER FROM ANY STATION RESTRICTION

FUNCTION:

This command is used to define the conditions for Trunk Answer from Any Station (TAS) service.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

ST + 53Y + DE + CONDITION CODE (1 digit) + DE + DATA (1 digit) + EXE

DATA TABLE:

◀: Default

Y		CONDITION		SETTING DATA	
No.	MEANING	CODE	MEANING	DATA	MEANING
0	TAS Answer A (CM20 Y=0-3: A047)	0	Answering C.O. Ring-Down incoming Call ☞ See CM30 Y=02, 03	0 1◀	Not allowed Allowed
1	TAS Answer B (CM20 Y=0-3: A048)	1	Answering DID Tie Line incoming Call ☞ See CM58 Y=02-07	0 1◀	Not allowed Allowed
2	TAS Answer C (CM20 Y=0-3: A049)	3	Answering a C.O. incoming Call (Night) in the case of Day/ Night Changeover System ☞ See CM30 Y=03	0 1◀	Not allowed Allowed
3	TAS Answer D (CM20 Y=0-3: A050)	4	Answering an overflow call of Direct-In Termination ☞ See CM30 Y=13, 14	0 1◀	Not allowed Allowed
4	TAS Answer E (CM20 Y=0-3: A051) ☞ See CM20	7	Own and Other Tenant Answer, or Own Tenant Answer	0 1◀	Own and Other Tenant Answer ☞ See CM63 Own Tenant Answer

COMMAND CODE	TITLE:
56	PAGING GROUP/INTERCOM GROUP

FUNCTION:

This command is used to assign the Multiline Terminal/Soft Phone station number for Automatic/Manual/Dial Intercom and Internal Zone Paging.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

ST + 56YY + DE + SERIAL No. (2 digits) / INTERCOM No. (4 digits) + DE + DATA (1-8 digits) + EXE

DATA TABLE:

◀: Default

Y		INTERCOM No./ SERIAL No.	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
00 ~ 07	Internal Zone Paging Group 0 ~ Internal Zone Paging Group 7 NOTE 1 NOTE 2	00-15: Serial number within the group	X ~ XXXXXXXX NONE◀	My Line number of Multiline Terminal No data	CM08>158 CM15 Y=049 CM20 Y=0-3: A130-A145, A164 CM90 Y=00: F1270-F1277, F1299

NOTE 1: *The maximum number of Internal Zone Paging Group per system is as follows.*

- *A maximum of 8 zone (CM56 Y=00-07) Internal Zone Paging Group are available for Internal Zone Paging access.*
- *A maximum of 6 zone (CM56 Y=00-05) Internal Zone Paging Group are available for All Zone Internal Paging.*

NOTE 2: *A maximum of 16 Multiline Terminals (Serial number within the group 00-15) can be assigned for each Internal Zone Paging Group. A Multiline Terminal can be assigned for multiple Internal Zone Paging Groups.*

Continued on next page

COMMAND CODE	TITLE:
56	PAGING GROUP/INTERCOM GROUP

◀ : Default

Y		INTERCOM No./ SERIAL No.	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
00 ~ 07	Simultaneous Paging Group 0 ~ Simultaneous Paging Group 7	00-15: Serial number within the group	X ~ XXXXXXXX NONE◀	My Line number of Multiline Terminal No data	CM90
10	Automatic Intercom number	A000 A100, A001 A101, ⋮ A031 A131	X ~ XXXXXXXX	My Line number of Multiline Terminal	CM11 CM12 Y=03 CM90 CM08>237
11	Manual Intercom number	A200 ~ A700 A201 ~ A701 ⋮ A224 ~ A724	X ~ XXXXXXXX	My Line number of Multiline Terminal	CM11 CM12 Y=03 CM90 CM08>238
12	Dial Intercom number	B000 ~ B900 B001 ~ B901 ⋮ B024 ~ B924	X ~ XXXXXXXX	My Line number of Multiline Terminal	CM11 CM12 CM90 CM08>239

COMMAND CODE	TITLE:
57	STATION ASSIGNMENT FOR EACH GROUP/TENANT

FUNCTION:

This command is used to assign the Group Call numbers and stations for Group Call by Pilot Number Dialing, and the My Line number that displays the calling number, the Serial number within the Conference group, the Conference Pilot station for the outgoing call, the Pilot station for the service originating call for each tenant, the Specification of Suite Room group number.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + 57YY + [DE] + 1ST DATA (2/4/5 digits) + [DE] + 2ND DATA (1-8 digits) + [EXE]

DATA TABLE:

Y=10-29, 40-79

◀: Default

Y		1ST DATA		2ND DATA	
No.	**MEANING**	**DATA**	**MEANING**	**DATA**	**MEANING**
10 ~ 29	Group Call No. 00-19	00 ~ 31	Serial No. 00-31 within the group	X-XXXXXXXX NONE◀	Station No. No data
	NOTE: *Maximum of 32 stations per Group Call can be assigned.*				
40 ~ 79	Group Call No. 20-59 **[9300V5]**	00 ~ 31	Serial No. 00-31 within the group	X-XXXXXXXX NONE◀	Station No. No data
	NOTE: *Maximum of 32 stations per Group Call can be assigned.*				

COMMAND CODE	TITLE:
57	STATION ASSIGNMENT FOR EACH GROUP/TENANT

Y=30-35, 37-39

◀: Default

Y		1ST DATA		2ND DATA	
No.	**MEANING**	**DATA**	**MEANING**	**DATA**	**MEANING**
30	Specification of the My Line number that displays the calling number (Related Command: CM08>1232/CM13 Y=54/CM30 Y=01/ CM65 Y=42/CM76 Y=05-08)	XX YY	XX: Tenant No. 00-63 YY: Allocation No. 00-07	X-XXXXXXXX NONE◀	My Line No. No data
	NOTE 1: *When using this command for 9300V4 software or later, this command is effective when the second data of CM08>1232 is set to 1.* **NOTE 2:** *The number of stations that can display the calling number on LCD is maximum 8 per tenant. Set the allocation number to the stations that displays the calling number.*				
31	Serial number within the Conference group	XX YY	XX: Conference Group No. 00-15 YY: Serial No. 00-30 (within the Conference group)	X-XXXXXXXX NONE◀	Station No. No data
32	Conference Pilot station for the outgoing call	XX	Conference Group No. 00-15	X-XXXXXXXX NONE◀	Station No. No data
33	Pilot station for the service originating call	00 ~ 63	Tenant No. 00-63	X-XXXXXXXX NONE◀	Pilot station number for the service originating call No data
	NOTE: *Assign one Station Hunting group by CM18 Y=0 in the combination with the Pilot station number assigned by this data and the Pilot station number assigned by CM10 Y=0 when using OAI SCF3.*				

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COMMAND CODE	TITLE:
57	STATION ASSIGNMENT FOR EACH GROUP/TENANT

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
34	Specification of Suite Room group number	XXXYY	XXX: Suite Room Group No. 000-749 YY : Serial No. 00-03 (within the Suite Room Group)	X-XXXXXXXX NONE◀	Station No. No data
	NOTE: *Assign Serial No.00 to Suite Room master station number, and assign Serial No.01-03 to Suite Room sub station number.*				
35	Serial No. within the group No. for Time Notification Group	XXY	XX: Time Notification Group No. 01-04 Y : Serial No. within the group No. 1-8 for Time Notification	X-XXXXXXXX NONE◀	Station No. No data
	NOTE 1: *For the station number assigned by this command, assign the station number of the terminal only that the Time Notification is available.* **NOTE 2:** *When registering an IP Multiline Terminal, assign the Dummy Station for Time Notification by Multiline (CM48 Y=9>00).*				
37	Serial No. within the Group Serial No. **[9300V5]** ☞ See CM77 Y=12, CM90 Y=00, 14	XXYY	XX: Group No. 00-63 YY: Serial No. 00-07 within the group	X-XXXXXXXX NONE◀	Station No. No data
38	Group Messaging Pattern by Access Code Dialing **[9300V8]** ☞ See CM57 Y=37, CM77 Y=12	000 ~ 249	Pattern No. (Used for Group Messaging by Access Code Dialing that is set by CM20 Y=0-3:A400-A649.)	XX YY NONE◀	XX: Group No. 00-63 YY: Message No. 00-63 No data

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COMMAND CODE	TITLE:
57	STATION ASSIGNMENT FOR EACH GROUP/TENANT

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
39	Serial number within the group (Related Command: CM12 Y=107) **[9300V9]**	XXXYY	XXX: Group No. 000-127 YY : Serial No. 00-63 within the group	X-XXXXXXXX NONE◀	Station No. No data
	NOTE 1: *This command assigns the ST500 station number for a representative call notification to the Unit number and the group number assigned by CM 12 Y=10.* **NOTE 2:** *For ST500 terminals assigned within a representative call group, accommodate all of them to the same Unit.*				

COMMAND CODE	TITLE:
58	LDN DIVERSION

FUNCTION:

This command is used to assign information to each DID or TIE trunk for which incoming calls are to be redirected to an alternative destination.

PRECAUTION:

This data is valid when CM08>205 is assigned to “0”.

ASSIGNMENT PROCEDURE:

[ST] + 58YY + [DE] + LDN/TIE (2 digits) + [DE] + DATA (1-8 digits) + [EXE]

DATA TABLE:

LDN/TIE	MEANING
00 01 ~ 08	Effective data in CM35 Y=015 LDN 0 Key ~ LDN 7 Key LDN Key is assigned by CM90 See CM90 Y=00: F6000-F6007 [DESKCON]
10 11 ~ 18	Effective data in CM35 Y=015 TIE 0 Key ~ TIE 7 Key TIE Key is assigned by CM90 See CM90 Y=00: F6040-F6047 [DESKCON]

NOTE: *The data set by CM58 is effective only when the data is assigned by CM50 Y=01/02.*

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COMMAND CODE	TITLE:
58	LDN DIVERSION

◀: Default

Y		SETTING DATA	
No.	MEANING	DATA	MEANING
00	Tenant number of LDN assigned by CM50 Y=01	00 ~ 63 NONE◀	Tenant 00 ~ Tenant 63 No data
01	TAS group number assigned by CM44>13	00 ~ 63 NONE◀	TAS Group 00 ~ TAS Group 63 No data
02	Day Mode destination of LDN	00 ~ 07 08 09 NONE◀	Attendant Console LDN/TIE Key 0 ~ Attendant Console LDN/TIE Key 7 TAS ☞ See CM53 Station/Outside party assigned by CM58 Y=08 No data
03	Night Mode destination of LDN	00 ~ 07 08 09 NONE◀	Attendant Console LDN/TIE Key 0 ~ Attendant Console LDN/TIE Key 7 TAS ☞ See CM53 Station/Outside party assigned by CM58 Y=09 No data
04	Day Mode diversion for busy destination station	00 08 09 NONE◀	Attendant Console Busy Key TAS ☞ See CM53 Camped on No data
05	Night Mode diversion for busy destination station	00 ~ 09 NONE◀	Same as CM58 Y=04 No data
06	Day Mode diversion for non-answering destination station	00 08 NONE◀	Attendant Console “NANS” Key TAS ☞ See CM53 No data

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COMMAND CODE	TITLE:
58	LDN DIVERSION

◀: Default

Y		SETTING DATA	
No.	MEANING	DATA	MEANING
07	Night Mode diversion for non-answering destination station	00 ~ 08 NONE◀	Same as CM58 Y=06 No data
08	Day Mode station number/Abbreviate Code for outside party (LDN-Outside)	X ~ XXXXXXXX CXX NONE◀	Station No. Abbreviated Code for outside party XX: 00-31 See CM71>66 No data
09	Night Mode station number/Abbreviate Code for outside party (LDN-Outside)	X ~ XXXXXXXX CXX NONE◀	Station No. Abbreviated Code for outside party XX: 00-31 See CM71>66 No data
10	Company Name for Dialed Number Identification Service	20 ~ 5F NONE◀	Character Code (Maximum 8 digits) See CM77 No data

COMMAND CODE	TITLE:
59	TAS/ACD/UCD RELAY INTERRUPTION PATTERN

FUNCTION:

This command is used to assign the interruption pattern on the TAS and ACD/UCD indicators controlled via External Relay Interface of CPU.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + 59 + [DE] + FUNCTION NUMBER (2 digits) + [DE] + DATA (2 digits) + [EXE]

DATA TABLE:

◀: Default

FUNCTION NUMBER	PURPOSE	DATA	MEANING
00	TAS/ACD/UCD Relay Interruption Pattern	01	30 IPM
		02	60 IPM
		03	120 IPM
		07	Steady on
		NONE◀	120 IPM

COMMAND CODE	TITLE:
5B	IP ADDRESS FOR IP TRUNK/SIP TRUNK POINT-TO-MULTIPOINT CONNECTION

FUNCTION:

This command is used to assign the destination IP Address for the IP trunk/SIP trunk Point-to-Multipoint connection.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + 5BYY + [DE] + 1ST DATA (5 digits) + [DE] + 2ND DATA (12 digits) + [EXE]

DATA TABLE:

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
01	Destination IP Address for IP trunk/SIP trunk	XXX ZZ	XXX: 000-255 (IP Address Pattern No.) ZZ: IP Address No. 00-07 NOTE 1, NOTE 3	aaabbb cccddd NONE◀	Destination IP Address of opposite IP trunk/opposite IPT (P2P CCIS)/opposite SIP trunk aaa : 000-255 bbb: 000-255 ccc : 000-255 ddd: 001-254 No data NOTE 2

NOTE 1: *Keep the second data "NONE" for Point-to-Point connection (when CMA7 Y=46 is set to "1").*

NOTE 2: *Destination IP Address of opposite IP trunk (P2P CCIS) is the IP Address of opposite SV9300 assigned by CM0B Y=0XX/1XX>00 or the IP Address of opposite 2400 IPX.*

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COMMAND CODE	TITLE: IP ADDRESS FOR IP TRUNK/SIP TRUNK POINT-TO-MULTIPOINT CONNECTION
5B	

NOTE 3: *IP address number (00-07) of the first data is set as follows.*

For IP trunk (P2P CCIS)

- *IP address number (00-07) is the number for specifying an IP address of opposite office which has two or more IP addresses, when the offices are connected with Point-to-Multipoint. If the opposite office has two or more IP addresses, set IP address numbers as many as the number of IP addresses. If the opposite office has only one IP address, set one IP address number.*

  For example, when the opposite office is 2400 IPX which has two IP addresses, set the data as shown below.

	1ST DATA	MEANING	2ND DATA	MEANING
CM5B Y=01	00000	IP Address Pattern No. assigned by CM8A + IP Address No. 00	100100150150	IP Address of opposite 2400 IPX
	00001	IP Address Pattern No. assigned by CM8A + IP Address No. 01	100100150151	IP Address of opposite 2400 IPX

For SIP trunk

- *IP address number (00-07) is the number for specifying IP addresses of one or more SIP Trunks in an opposite office (SV9300/SV8300/NEAX 2000 IPS SIP Trunk), when the opposite office has two or more SIP Trunks in a Point-to-Multipoint connection.*

NOTE 4: *When specifying IP address numbers (00-07) for the first data, be sure to assign the value starting from the smallest number.*

COMMAND CODE	TITLE:
60	ATT TENANT GROUP, FUNCTIONS

FUNCTION:

This command is used to assign a number to a Desk Console for access on a tenant basis, and define the consoles' night switching ability, off-hook ringing, tone ringer, password code for Attendant Lockout and Attendant Programming.

PRECAUTION:

(1) After the settings of CM60 Y=00, 01, 02, 04, 06, 16, 17, 22, 23, 27, 30, 51, DESKCON soft reset by CM60 Y=90>0: 0 is required.

(2) To assign a password for DESKCON by CM60 Y=30, the setting of Function number (0/1) is required to the first data. The meaning of Function numbers is as follows.
0: Password for Attendant Lockout
1: Password for Attendant Programming for the following features:
- Remote Access to System (DISA) (CM2A)
- System Speed Dialing (CM71)
- Date and Time (CM02)
- Tone Ringer

ASSIGNMENT PROCEDURE:

[ST] + 60YY + [DE] + DESKCON NUMBER (0-7) / FUNCTION NUMBER (0/1) + [DE] + DATA (1-8 digits) + [EXE]

[ST] + 6030 + [DE] + FUNCTION NUMBER (0/1) + [DE] + DATA (1-8 digits) + [EXE]

[ST] + 6090 + [DE] + FUNCTION NUMBER (0) + [DE] + DATA (0) + [EXE]

COMMAND CODE	TITLE:
60	ATT TENANT GROUP, FUNCTIONS

DATA TABLE:

◀: Default

Y		GROUP NUMBER		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	ATT GROUP NOTE 1, NOTE 2, NOTE 3	0 1 2 3 NONE◀	ATT GROUP 0 ATT GROUP 1 ATT GROUP 2 ATT GROUP 3 No data	CM41 Y=0>142 CM62 CM51 Y=13 CM60 Y=90
01	Designation of Master ATT within ATT Group NOTE 3	0 1◀	Master ATT Not Master ATT NOTE 4	CM60 Y=90
02	Trunk Restriction Class change by NT Switch NOTE 3, NOTE 5	0 1◀	Effective Ineffective	CM12 Y=01 CM60 Y=90
04	Outgoing call restriction on Night Mode by NT Switch NOTE 3, NOTE 5	0 1◀	Effective Ineffective	CM30 Y=08 CM60 Y=90
06	Day/Night mode change by NT Switch NOTE 3, NOTE 5	0 1◀	Effective Ineffective	CM30 Y=02, 03, 04, 05, 13, 14 CM76 Y=01, 02 CM58 Y=02-09 CM60 Y=90
16	Off Hook Ringing for DESKCON NOTE 3	0 1◀	Effective Ineffective	CM60 Y=90
17	DESKCON Multi-Function Key NOTE 3	0 1◀	Ineffective Effective	CM90 Y=00 CM60 Y=90
23	Keep volume level changed by volume button on DESKCON, after the call is finished NOTE 3	0 1◀	Allow Restricted	CM60 Y=90
26	Designation of Busy Lamp Field-Fixed displayed stations hundred's group	00 01 ~ 09 10 ~ 99	1 or 2-digit station (0-9, 00-99) 3-digit station (1XX-9XX) 4-digit station (10XX-99XX)	CM08>207

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COMMAND CODE	TITLE:
60	ATT TENANT GROUP, FUNCTIONS

◀: Default

Y		GROUP NUMBER		RELATED COMMAND
No.	MEANING	DATA	MEANING	
27	Tone Ringer for DESKCON NOTE 3	0 1 2 3◀	600 + 700 × 16 (Hz) 480 + 606 × 8 (Hz) 1024 + 1285 × 16 (Hz) 480 + 606 × 16 (Hz)	CM60 Y=90
30	Password for DESKCON ☞ See PRECAUTION (2) NOTE 3	X ~ XX...XX NONE◀	Password (Maximum 8 digits) X: 0-9, A (*), B (#) 12345678	CM90 Y=00: F6110, F6111
32	Charging Class number for DESK-CON	00 ~ 15◀	Class No. 00 ~ Class No. 15	
33	Display language for DESKCON LCD NOTE 6	00 01 02 03 04 05 06 07 08 09 10 11 12 13 31◀	Japanese English French (Canadian French) Spanish (Latin Spanish) Portuguese (Brazilian Portuguese) German Italian Netherlandish French (Europe) Spanish (Europe) Portuguese (Europe) Swedish Danish Catalan As per CM04 Y=00>00	

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COMMAND CODE	TITLE:
60	ATT TENANT GROUP, FUNCTIONS

◀: Default

Y		GROUP NUMBER		RELATED COMMAND
No.	MEANING	DATA	MEANING	
34	Displaying pattern of Caller ID on the LCD of DESKCON when terminating a trunk call NOTE 7	0 7◀	To display calling number on upper line of LCD, calling name on middle line of LCD Not displayed calling number and calling name simultaneously	CM08>539
35	Tenant number for DESKCON	00 ~ 63 NONE◀	Tenant No. 00 ~ Tenant No. 63 No data	
36	Ringing signal patterns of DESKCON	0 1 2 3◀	0.5ON-0.5OFF 1sON-1sOFF 2sON-4sOFF 1sON-2sOFF	
90	DESKCON Soft Reset NOTE 8, NOTE 9	0 1◀	To reset Already reset	CM60 Y=00, 01, 02, 04, 06, 16, 17, 23, 27, 30, 51 CM62

NOTE 1: *Attendant Console can be accommodated in Unit01 only.*

NOTE 2: *Whether the following equipment can be accommodated to the same DLC blade or not are depended on CM13 Y=63.*

- *When the second data of CM13 Y=63 is set to "0"*
  Accommodatable : DT300/DT400/DT500/D^{term}85/PGD(2)-U10 ADP
  Unaccommodatable: DESKCON
- *When the second data of CM13 Y=63 is set to "1"*
  Accommodatable : DT300/DT400/DT500/D^{term}85/DESKCON
  Unaccommodatable: PGD(2)-U10 ADP

NOTE 3: *A reset by CM60 Y=90>0: 0 is required after this data setting.*

NOTE 4: *Assign one Master DESKCON for each ATT Group. Even if an ATT Group consists of only one DESKCON, specify the DESKCON as a Master DESKCON.*

Continued on next page

COMMAND CODE	TITLE:
60	ATT TENANT GROUP, FUNCTIONS

NOTE 5: *These data are effective for Day/Night Mode Change key on DESKCON. NT switch is effective only on the Master ATT assigned by CM60 Y=01.*

NOTE 6: *After this data setting, a reset of DESKCON is required.*

NOTE 7: *When displaying a Caller ID on the LCD of DESKCON before answering a C.O. call, the setting of CM08>539: 0 is required.*

NOTE 8: *The second data can only be set to 0.*

NOTE 9: *Reset DESKCON soft after confirming all the DESKCON are not used.*

COMMAND CODE	TITLE:
61	EXTERNAL KEY FUNCTION

FUNCTION:

This command is used to activate and specify the function of the switch closure detection PGD(2)-U10 ADP when interfaced with external keys.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

ST + 61YY + DE + KEY NUMBER (3 digits) + DE + DATA (1-2 digits) + EXE

DATA TABLE:

◀: Default

Y		KEY NUMBER		SETTING DATA		RELATED COMMAND
No.	MEANING	No.	MEANING	DATA	MEANING	
00	Destination of Tenant NOTE 1	XX Z	XX: External Key Group No. (00-63) assigned by CM12 Y=66 Z : Circuit No. (0/1)	00 ~ 63 NONE◀	Tenant 00 ~ Tenant 63 No data	
01	Change Day/Night trunk restriction class by external key NOTE 1			0 1◀	Effective Ineffective	CM12 Y=01
03	Outgoing call restriction on Night Mode by external key NOTE 1			0 1◀	Effective Ineffective	CM30 Y=08
05	Day/Night Mode change by external key NOTE 1			0 1◀	Effective Ineffective	CM30 Y=02, 03, 04, 05, 13, 14, 26 CM76 Y=01, 02 CM58 Y=02>09
06	Even if station-to-station call is restricted, calling tenant is allowed to cancel restriction by external key NOTE 1			0 1◀	Effective Ineffective	CM63 Y=1

Continued on next page

COMMAND CODE	TITLE:
61	EXTERNAL KEY FUNCTION

◀: Default

Y		KEY NUMBER		SETTING DATA		RELATED COMMAND
No.	MEANING	No.	MEANING	DATA	MEANING	
08	Change Power ON/OFF for Multiline Terminal Power Saving by external key NOTE 1	XX Z	XX: External Key Group No. (00-63) assigned by CM12 Y=66 Z : Circuit No. (0/1)	0 1◀	Effective Ineffective	
30	Service operation by external key NOTE 2			00 01 02 NONE◀	MJ/MN Alarm Clear key Day/Night Mode Change by System Clock Cancel key Multiline Terminal Power Saving Cancel key NOTE 3 No data	

NOTE 1: *CM61 Y=00 and CM61 Y=01, 03, 05, 06 and 08 are used in combination. For example, when tenant 00 is assigned to the Key Group No. 000 (CM61 Y=00), and the second data of CM61 Y=01: 0 is set to 0 (Effective), the Key Group No. 000 is allowed to change Day/Night trunk restriction class only for the station of tenant 00.*

NOTE 2: *This command is effective for the whole system not for each tenant.*

NOTE 3: *When the second data is set to 2, the power supply of the all terminals in a system can be returned to Power ON by the operation of the external key. However, Power ON/OFF change is ineffective at a power failure.*

COMMAND CODE	TITLE:
62	TENANTS FOR EACH ATT GROUP

FUNCTION:

This command is used to assign which tenants are handled by each DESKCON Group.

PRECAUTION:

(1) This command requires a reset by CM60 Y=90>0: 0 after data setting.

(2) Multiple tenants can be assigned to one ATT Group, but one tenant cannot be assigned to more than one ATT Group.

ASSIGNMENT PROCEDURE:

[ST] + 62Y + [DE] + TENANT NUMBER (2 digits) + [DE] + DATA (1 digit) + [EXE]

DATA TABLE:

◀: Default

Y		TENANT		SETTING DATA		RELATED COMMAND
No.	MEANING	No.	MEANING	No.	MEANING	
0	ATT Group 0	00	Tenant 00	0	To handle	CM60 Y=00
1	ATT Group 1	~	~	1◀	Not handled	
2	ATT Group 2					
3	ATT Group 3	63	Tenant 63			

COMMAND CODE	TITLE:
63	RESTRICTION OF INTER-TENANT CONNECTION

FUNCTION:

This command is used to define the restrictions on inter-tenant access.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

ST + 63Y + DE + TENANT-A (2 digits) + TENANT-B (2 digits) + DE + DATA (1 digit) + EXE

DATA TABLE:

◀: Default

Y		TENANT		SETTING DATA		RELATED COMMAND
No.	MEANING	No.	MEANING	No.	MEANING	
0	TAS answer from another tenant	XX ZZ	XX: TENANT-A: 00-63 Tenant number of TAS answer station ZZ : TENANT-B: 00-63 Tenant number of trunk	0 1◀	Allowed Restricted	CM53 Y=4 CM30 Y=17 CM12 Y=04 CM76 Y=05-08
1	Restriction of Intra-office Connection	XX ZZ	XX: TENANT-A: 00-63 Tenant number of calling station ZZ : TENANT-B: 00-63 Tenant number of called station	0 1◀	Restricted Allowed	CM08>150 CM12 Y=04
2	Restriction of incoming DID/Tie line call/Automated Attendant	XX ZZ	XX: TENANT-A: 00-63 Tenant number of called station ZZ : TENANT-B: 00-63 Tenant number of trunk	0 1◀	Restricted Allowed	CM12 Y=04 CM30 Y=01

COMMAND CODE	TITLE:
64	AUTOMATED ATTENDANT, TENANT NUMBER FOR MUSIC ON HOLD, NUMBER OF QUEUE LIMIT, TRUNK ACCESS CODE FOR MOBILITY ACCESS MODE, ISDN ALTERNATING ROUTING, RING FREQUENCY PATTERN OF DT500/DT900, ACCESS CODE FOR ANSWERING REPRESENTATIVE CALL NOTIFICATION

FUNCTION:

This command is used to define the answering system of the Automated Attendant feature and assign the Tenant Number for Music on Hold, the Number of Queue Limit, the Trunk access code for Mobility Access mode and the ISDN Alternating Routing.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

ST + 64Y/YY + DE + TENANT NUMBER (2 digits) + DE + DATA (1-26 digits) + EXE

DATA TABLE:

◀: Default

Y		TENANT	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
0	Answering System for Day Mode	00-63	00	DT connection	CM30 Y=02, 03 CM48 Y=2>06 CM41 Y=0>33, 43 CM49 CM63 Y=2
			01	Hold Tone Source on CPU blade + DT connection	
			02	1st Answering Message + DT connection	
			03◀	DT connection	

NOTE: *If no tone connection is required, Dial Tone sending can be stopped by CM48 Y=2.*

Continued on next page

COMMAND CODE	TITLE:
64	AUTOMATED ATTENDANT, TENANT NUMBER FOR MUSIC ON HOLD, NUMBER OF QUEUE LIMIT, TRUNK ACCESS CODE FOR MOBILITY ACCESS MODE, ISDN ALTERNATING ROUTING, RING FREQUENCY PATTERN OF DT500/DT900, ACCESS CODE FOR ANSWERING REPRESENTATIVE CALL NOTIFICATION

◀: Default

Y		TENANT	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
1	Tenant Number for Music on Hold	00-63	00 ~ 09 10 11 NONE◀	External Hold Tone Source No. by PGD(2)-U10 ADP Hold Tone Source on CPU blade External Hold Tone Source through Pin JACK on the CPU blade Hold Tone Source on CPU blade	CM48 Y=0
	NOTE: *This data is effective only when the second data of CM48 Y=0 is set to "1300".*				
2	Answering System for Night Mode	00-63	00 01 02 03◀	DT connection Hold Tone Source on CPU blade + DT connection Night Message + DT connection As per CM64 Y=0	CM30 Y=02, 03 CM41 Y=0>33, 43 CM49 Y=00: 02XX, Y=02 CM64 Y=0
	NOTE: *When the second data 02 (Night Message + DT connection) is set, Night Message for Automated Attendant assigned by CM49 Y=00: 02XX becomes effective. Therefore, Handling of busy/not available Automated Attendant in Day Mode/Night Mode assigned by CM30 Y=30, 31: 08 cannot be used.*				
3	Number of Queue Limit for TAS, Day Mode	00-63	01 ~ 99 NONE◀	1 line ~ 99 lines No limit	CM51 Y=26, 30 CM76 Y=16
4	Number of Queue Limit for TAS, Night Mode				CM51 Y=27, 30 CM76 Y=16
5	Number of Queue Limit for TAS, Mode A				CM51 Y=28, 30 CM76 Y=16
6	Number of Queue Limit for TAS, Mode B				CM51 Y=29, 30 CM76 Y=16

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COMMAND CODE	TITLE:
64	AUTOMATED ATTENDANT, TENANT NUMBER FOR MUSIC ON HOLD, NUMBER OF QUEUE LIMIT, TRUNK ACCESS CODE FOR MOBILITY ACCESS MODE, ISDN ALTERNATING ROUTING, RING FREQUENCY PATTERN OF DT500/DT900, ACCESS CODE FOR ANSWERING REPRESENTATIVE CALL NOTIFICATION

◀: Default

Y		TENANT	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
10	Trunk access code 1 for Call Forwarding in Mobility Access mode	00-63	X-XXXX NONE◀	Trunk Access Code (1-4 digits) X: 0-9, A (*), B (#) No data	CM12 Y=80 CM15 Y=216 CM20 Y=0-3: A256 CM76 Y=41
11	Trunk access code for ISDN Alternative Routing in Remote Unit survival mode		X-XXXX NONE◀	Trunk Access Code (1-4 digits) X: 0-9, A (*), B (#) ISDN Alternative Routing disabled	
12	Method of ISDN Alternative Routing in Remote Unit survival mode		0 1 2 3◀	Destination station number of each station Destination station number of each tenant Destination station number of each tenant + Subaddress ISDN Alternative Routing disabled	CME6 Y=51
	NOTE: *When the second data is set to "0" and CME6 Y=51 is set to "NONE", this command operates as well as second data is set to "1".*				
13	Destination of ISDN Alternative Routing in Remote Unit survival mode (tenant basis)	00-63	X ~ XX...XX NONE◀	Destination C.O. line number (Maximum 26 digits) No data	CM64 Y=12
	NOTE: *When second data of CM64 Y=12 is set to "1/2", the destination is set by this command.*				
14	Trunk access code 2 for Call Forwarding in Mobility Access mode	00-63	X-XXXX NONE◀	Trunk Access Code (1-4 digits) X: 0-9, A (*), B (#) No data	CM12 Y=80 CM15 Y=216 CM20 Y=0-3: A267 CM76 Y=41

Continued on next page

COMMAND CODE	TITLE:
64	AUTOMATED ATTENDANT, TENANT NUMBER FOR MUSIC ON HOLD, NUMBER OF QUEUE LIMIT, TRUNK ACCESS CODE FOR MOBILITY ACCESS MODE, ISDN ALTERNATING ROUTING, RING FREQUENCY PATTERN OF DT500/DT900, ACCESS CODE FOR ANSWERING REPRESENTATIVE CALL NOTIFICATION

◀: Default

Y		TENANT	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
15	Trunk access code 3 for Call Forwarding in Mobility Access mode	00-63	X-XXXX NONE◀	Trunk Access Code (1-4 digits) X: 0-9, A (*), B (#) No data	CM12 Y=80 CM15 Y=216 CM20 Y=0-3: A268 CM76 Y=41
16	Trunk access code 4 for Call Forwarding in Mobility Access mode				CM12 Y=80 CM15 Y=216 CM20 Y=0-3: A269 CM76 Y=41
17	Unit number of External Hold Tone Source		01 ~ 50 NONE◀	Unit No. 01-50 Held party Unit	CM48 Y=0 CM64 Y=1 CM08>388
	NOTE 1: *This command is effective only when the second data of CM64 Y=1 is set to 00-09 (External Hold Tone Source No. by PGD (2)-U10 ADP), or 11 (External Hold Tone Source through Pin JACK on the CPU blade).* **NOTE 2:** *To provide External Hold Tone through an IPT (P2P CCIS), set the second data to "01".*				
20 ~ 27	The ring frequency of ring frequency pattern of each tenant for DT500/DT900 **[9300V7]**	00-63	15 16 17 NONE◀	Music Ring 1 **Note 2** Music Ring 2 **Note 2** Music Ring 3 **Note 2** As per CM65 Y=40	CM13 Y=99
	NOTE 1: *This command is effective only for DT500/DT900 Series. For other Multiline Terminals, use CM65 Y=40.* **NOTE 2:** *For music ring unsupported terminals, follow the setting of CM65 Y=40.* **NOTE 3:** *A reset of the terminal is required when this data is set or changed for DT500/DT900 Series.*				

Continued on next page

COMMAND CODE	TITLE:
64	AUTOMATED ATTENDANT, TENANT NUMBER FOR MUSIC ON HOLD, NUMBER OF QUEUE LIMIT, TRUNK ACCESS CODE FOR MOBILITY ACCESS MODE, ISDN ALTERNATING ROUTING, RING FREQUENCY PATTERN OF DT500/DT900, ACCESS CODE FOR ANSWERING REPRESENTATIVE CALL NOTIFICATION

◀: Default

Y		TENANT	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
28	Access code for answering a representative call notification **[9300V9]**	00-63	X-XXXX NONE◀	Access Code (1-4 digits) X: 0-9, A (*), B (#) No data	CM20 Y=0-3: A021
	NOTE: *Set the access code for Call Pickup-Direct assigned to the first data of CM20 Y=0-3: A021.*				

COMMAND CODE	TITLE:
65	SERVICES ON TENANT BASIS

FUNCTION:

This command is used to define the features available in each tenant.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

ST + 65YY + DE + TENANT NUMBER (2 digits) + DE + DATA (1-8 digits) + EXE

DATA TABLE:

◀: Default

Y		TENANT	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
19	Do Not Disturb	00-63	0 1◀	Not provided To provide	CM15 Y=19 CM15 Y=189
23	Call Forwarding type when an internal call from station/attendant is terminated		0 1◀	Split Call Forwarding-All Calls/Busy Line/No Answer Call Forwarding-All Calls/ Busy Line/No Answer	
24	Call Forwarding type when a C.O. incoming call is terminated		0 1◀	Split Call Forwarding-All Calls/Busy Line/No Answer Call Forwarding-All Calls/ Busy Line/No Answer	
25	Call Forwarding type when a Tie Line incoming call is terminated		0 1◀	Split Call Forwarding-All Calls/Busy Line/No Answer Call Forwarding-All Calls/ Busy Line/No Answer	

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COMMAND CODE	TITLE:
65	SERVICES ON TENANT BASIS

◀: Default

Y		TENANT	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
26	Number Display when calling from Sub Line via CCIS/ Number Display through CCIS for SMDR	00-63	0 1◀	My Line number/name Sub Line number/name	CM08>502
	NOTE: *When setting Name Display to sub line, whether to display My Line number/name or sub line number/name depends on CM08>502. Set this data to the same setting of CM08>502.* *(ex.) When CM65 Y=26 is set to "0" (My Line number/name), set CM08>502 to "0"(Name of My Line).*				
27	ACD (Automatic Call Distribution)	00-63	0 1◀	ACD Not ACD	
28	RR sending priority when receiving OAI SCF		0 1◀	Send RR signal after SMFN Send RR signal before SMFN	
29	Day/Night Mode		0 1◀	Two kinds of mode (Day Mode, Night Mode) Four kinds of mode (Day Mode, Night Mode, Mode A, Mode B)	
30	VMS Password Privacy		0 1◀	Allowed Not allowed	CM13 Y=10
34	Calling Party number sent to MCI when accessing VMS from a sub line assigned on Multiline Terminal		0 1◀	Sub Line number My Line number	
36	Trunk Restriction Class change according to the schedule of Day/Night Mode Change by System Clock		0 1◀	Provide (Day Mode/Night Mode only) Not provided	CM4A CM65 Y=29

Continued on next page

COMMAND CODE	TITLE:
65	SERVICES ON TENANT BASIS

◀: Default

Y		TENANT	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
37	Call Forwarding type when an internal call from station/attendant is terminated via CCIS NOTE	00-63	0 1◀	Split Call Forwarding-All Calls/Busy Line/No Answer Call Forwarding-All Calls/ Busy Line/No Answer	CM08>608 CME6 Y=04, 05 CM78
38	Call Forwarding type when a C.O. incoming call is terminated via CCIS NOTE		0 1◀	Split Call Forwarding-All Calls/Busy Line/No Answer Call Forwarding-All Calls/ Busy Line/No Answer	CM08>608 CME6 Y=04, 05 CM78
39	Call Forwarding type when a Tie Line incoming call is terminated via CCIS NOTE		0 1◀	Split Call Forwarding-All Calls/Busy Line/No Answer Call Forwarding-All Calls/ Busy Line/No Answer	CM08>608 CME6 Y=04, 05 CM78

NOTE: *CM65 Y=37, 38 and 39 are effective only when the second data of CM08>608 is set to 0.*

Continued on next page

COMMAND CODE	TITLE:
65	SERVICES ON TENANT BASIS

◀: Default

Y		TENANT	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
40	Multiline Terminal ring frequency	00-63	0 1◀	See below	CM15 Y=491 CM35 Y=034, 164 CM64 Y=20-27 CM76 Y=23

Ringer Tone Pattern No.	Y=40: 0	Y=40: 1◀
1	Ringer Tone 1	520 + 660 [Hz]/8 [Hz] Modulating Signal
2	Ringer Tone 2	660 + 760 [Hz]/16 [Hz] Modulating Signal
3	Ringer Tone 3	1100 [Hz] Envelop
4	Ringer Tone 4	540 [Hz]
5	Ringer Tone 5	1100 [Hz]
6	Not used	1400 + 1100 [Hz]
7	Not used	520 + 660 [Hz]/16 [Hz] Modulating Signal

NOTE 1: *When accommodating D^term^85 (Series i) in Remote Unit, the second data is fixed to 1.*
NOTE 2: *When using music ring with DT500/DT900 Series, use CM13 Y=99 and CM64 Y=20-27.*
NOTE 3: *When this data is set or changed, a reset of the terminal is required to reflect the settings of CM64 Y=20-27 for DT500/DT900 Series.*

41	Adding the held call on Multiline Terminal as a third party of Three-Way Calling (Conference [Three/Four Party]) by CNF and LINE key operation	00-63	0 1◀	Allow Not allowed	CM15 Y=063

NOTE: *CM65 Y=41 is effective only when the second data of CM15 Y=063 is set to 1.*

Continued on next page

COMMAND CODE	TITLE:
65	SERVICES ON TENANT BASIS

◀: Default

Y		TENANT	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
42	Calling Number Display for each tenant when an incoming call is terminated to the Multiline Terminal with TAS	00-63	0 1◀	To display Not displayed	CM08>1232 CM13 Y=54 CM30 Y=01 CM57 Y=30 CM76 Y=05-08
	NOTE: *When using this command for 9300V4 software or later, this command is effective when the second data of CM08>1232 is set to 1.*				
44	Display of Calling Name stored in System Speed Dialing Memory at call incoming	00-63	0 1◀	Not provided To provide	CM73 Y=2
	NOTE: *When the second data is set to 1 (To provide), a search is performed in the System Speed Dialing Memory Area corresponding to the incoming trunk tenant, and a name matched up with the calling number is displayed on the Multiline Terminal/Attendant Console.*				
50	Handling when the transferred destination does not answer	00-63	0 1◀	Connection of Transferred Trunk Line Message (No Answer) Recall transferring station	CM49 Y=00, 06
51	Handling when the transferred destination is busy		0 1◀	Connection of Transferred Trunk Line Message (Busy) Recall transferring station	CM49 Y=00, 07
55	Change Power ON/OFF for Multiline Terminal Power Saving simultaneously when Day/Night Mode is changed		0 1◀	To provide Not provided	

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COMMAND CODE	TITLE:
65	SERVICES ON TENANT BASIS

◀: Default

Y		TENANT	SETTING DATA		RELATED COMMAND
No.	MEANING		DATA	MEANING	
56	Multiline Terminal Power Saving by Day Mode	00-63	0 1◀	Power OFF Power ON	CM65 Y=55
57	Multiline Terminal Power Saving by Night Mode				
58	Multiline Terminal Power Saving by A Mode				
59	Multiline Terminal Power Saving by B Mode				CM65 Y=55
60 ~ 69	Multiline Terminal Power Saving Switching Pattern 0-9				CM4A Y=20-27: 10-19
70	Calling Number Display for each tenant when an incoming call is terminated to the Multiline Terminal with TAS **[9300V4]**		0 1◀	To display Not displayed	CM08>1232 CM90 Y=05
	NOTE: *This command is effective when the second data of CM08>1232 is set to 0.*				
100	Password Setting for Multiline Terminal Power Saving	00-63	X ~ XXXX XXXX NONE◀	Password for Multiline Terminal Power Saving (1-8 digits) X: 0-9, A (*), B (#) No data	

COMMAND CODE	TITLE:
67	LOCATION DATA ASSIGNMENT

FUNCTION:

This command is used to assign the location data to the location number set by CM12 Y=39/50 (Peer-to-Peer connection by IP Station), CM8A Y=5000-5255: 173 (Peer-to-Peer connection via CCIS).
The location number is used for administration of the location via IP network and can be assigned to each connection type or each location which is divided according to the network traffic.

PRECAUTION:

(1) The first data of CM67 Y=00-06 must be set both on own office and opposite office.

(2) The following table shows the system data requiring data settings depending on the terminal types or trunk types to be connected.

×: To assign –: Not assigned

System Data \ Destination	DT700 /DT800 Series	Standard SIP Station	Remote Unit	P2P-CCIS	SIP Trunk
CM67 Y=00	×	×	×	×	–
CM67 Y=01	×	×	×	×	–
CM67 Y=02	×	×	×	×	–
CM67 Y=03	×	×	×	×	–
CM67 Y=04	×	×	×	×	–
CM67 Y=05	×	×	×	×	–
CM67 Y=06	×	×	×	×	–
CM67 Y=07	–	–	×	–	–
CM67 Y=08	–	–	×	–	–
CM67 Y=10	–	–	×	–	–
CM67 Y=13	×	–	–	–	–
CM67 Y=14	×	×	×	×	–
CM67 Y=15	×	×	×	×	–
CM67 Y=20	–	–	–	×	×
CM67 Y=21	–	–	–	×	×
CM67 Y=22	–	–	–	×	×

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COMMAND CODE	TITLE:
67	LOCATION DATA ASSIGNMENT

×: To assign –: Not assigned

Destination / System Data	DT700 /DT800 Series	Standard SIP Station	Remote Unit	P2P-CCIS	SIP Trunk
CM67 Y=23	–	–	–	×	×
CM67 Y=24	–	–	–	×	×
CM67 Y=26	–	–	×	×	×
CM67 Y=30	–	–	×	–	–
CM67 Y=31	–	–	×	–	–
CM67 Y=32	×	–	×	–	–
CM67 Y=33	×	–	×	–	–
CM67 Y=90	×	–	×	×	–
CM67 Y=91	×	–	×	×	–
CM67 Y=92	×	–	×	×	–

ASSIGNMENT PROCEDURE:

[ST] + 67YY + [DE] + 1ST DATA (2/4 digits) + [DE] + 2 ND DATA (1-8 digits) + [EXE]

COMMAND CODE	TITLE:
67	LOCATION DATA ASSIGNMENT

DATA TABLE:

Y=00-08

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
00	CODEC list between locations	XX ZZ	XX: Location number (00-63) ZZ : Location number (00-63)	0 1 2 3 4 5 NONE◀ CCC	Programmable CODEC List 0 (As per CM42>100-103, 110-113) Programmable CODEC List 1 (As per CM42>120-123, 130-133) Programmable CODEC List 2 (As per CM42>140-143, 150-153) Programmable CODEC List 3 (As per CM42>160-163, 170-173) Fixed CODEC List 1 (Prioritize Tone Quality) See the table below Fixed CODEC List 2 (Prioritize Bandwidth) See the table below See the table on ☞ *Page 3-500*. Clear	CM42 CM12 Y=39/50 CM8A Y=5000-5255: 173
	NOTE 1: *This data setting is valid for packets that are sent from the location which is set by "XX" in the first data to the location which is set by "ZZ" in the first data.* **NOTE 2:** *When using SIP trunks accommodated in different units, assign an inter-unit CODEC list by this command.*					

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COMMAND CODE	TITLE:
67	LOCATION DATA ASSIGNMENT

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
00	**NOTE 3:** *The table below shows the setting of Fixed CODEC List 1/2.*					

Priority	Fixed CODEC List 1 (CM67 Y=00:4)		Fixed CODEC List 2 (CM67 Y=00: 5)	
	CODEC Type	Payload Size	CODEC Type	Payload Size
1	G.722	40 ms	G.729a	40 ms
2	G.711 μ-law	40 ms	G.711 μ-law	40 ms
3	G.711 A-law	40 ms	G.711 A-law	40 ms
4	G.729a	40 ms	G.722	40 ms

**A-law/μ-law depends on CPU or CM04 Y=10-59.*

NOTE 4: *The table below shows the default setting of the CODEC List.*

Priority	Fixed CODEC List (CM67 Y=00: NONE) (Default)	
	CODEC Type	Payload Size
1	G.711 μ-law	40 ms
2	G.711 A-law	40 ms
3	G.729a	40 ms
4	G.723.1	30 ms

**A-law/μ-law depends on CPU or CM04 Y=10-59.*

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COMMAND CODE	TITLE:
67	LOCATION DATA ASSIGNMENT

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
00	**NOTE 5:** *When assigning data for this command, take into account the CODEC specifications of IP communication terminals and the IP network bandwidth.* *The table below shows the CODEC and payload size specification for each IP terminal.*					

×: Available / -: Not available / Values in the brackets: Payload size (unit: ms)

IP Terminal		CODEC Specification			
		G.711	G.729a	G.723.1	G.722
VoIPDB *1		× (20/30/40)	× (20/30/40)	–	–*2
DT900 Series/DT800 Series/ DT700 Series (DT730/DT730CG/ DT730DG/DT750)		× (20/30/40)	× (20/30/40)	–	× (20/30/40)
DT700 Series	DT710	× (20/30/40)	× (20/30/40)	–	–
IP^{term}85	8D	× (20/30/40)	× (20/30/40)	–	–
	32D	× (20/30/40)	× (20/30/40)	× (30)	–
Soft Phone	D^{term}SP30	× (20/40)	× (20/40)	–	–
	SP350	× (20/40)	× (20/40)	–	× (20/40)
Standard SIP Terminal		× (20/30/40)	× (20/30/40)	–	–

*1 Connections to a legacy extension/external terminal, IP trunk (P2P CCIS) and SIP trunk are subject to the communication using VoIP.

*2 G.722 (Wide Band Codec) is not available for VoIPDB. If the CODEC list includes only G.722, the system operates by substituting G.711 for G.722. In this situation, however, if the CODEC for the opposite office connected via IP Trunk (P2P CCIS) is also set to G.722 only, a call is not allowed because there is no available CODEC. Therefore, set this data including an available CODEC (G.711 or G.729a).

*3 For CODEC specification for FAX over IP, see “FAX over IP” in the System Manual.

Continued on next page

COMMAND CODE	TITLE:
67	LOCATION DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
01	Type of Service (TOS) field Precedence for IP Station/IPT (P2P CCIS)/VoIPDB between locations	XX ZZ	XX: Location number (00-63) ZZ : Location number (00-63)	X Z NONE◀ CCC	X: PRECEDENCE 0-7 for control packet Z : PRECEDENCE 0-7 for voice packet 65 Clear	CM12 Y=39/50 CM8A Y=5000-5255: 173

NOTE 1: *This data setting is valid for packets that are sent from the location which is set by "XX" in the first data to the location which is set by "ZZ" in the first data.*

NOTE 2: *The priority of PRECEDENCE 0-7 is as follows.*
PRECEDENCE 0: Lowest priority
~
PRECEDENCE 7: Highest priority
PRECEDENCE 6 for control packet and PRECEDENCE 5 for voice packet are recommended.

NOTE 3: *For an ordinary operation, keep the setting as default (PRECEDENCE 6 for control packets, PRECEDENCE 5 for voice packets).*

NOTE 4: *Assigning this command enables a router to recognize the precedence with WFQ (Weighed Fair Queuing) and to control the control packets and voice packets according to the precedence.*

NOTE 5: *When this data is set, DSCP set by CM67 Y=06 becomes invalid. To validate the data assigned by CM67 Y=0, reassign the data using CM67 Y=0.*

NOTE 6: *This command assigns an inter-unit QoS when using SIP trunks that are accommodated in different units.*

NOTE 7: *This data setting is invalid for packets sent from a Standard SIP station.*

Continued on next page

COMMAND CODE	TITLE:
67	LOCATION DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
02	PAD data between locations	XX ZZ	XX: Location number (00-63) ZZ : Location number (00-63)	TT RR	TT (Transmitter PAD): +: Gain –: Loss 00, 01-08, 81-88 RR (Receiver PAD): 00, 01-08, 81-88 00: 0 dB 01: +2 dB 02: +4 dB 03: +6 dB 04: +8 dB 05: +10 dB 06: +12 dB 07: +14 dB 08: +16 dB 81: –2 dB 82: –4 dB 83: –6 dB 84: –8 dB 85: –10 dB 86: –12 dB 87: –14 dB 88: –16 dB	CM12 Y=39/50 CM8A Y=5000-5255: 173
				NONE◀ CCC	00/00 Clear	

NOTE 1: *When setting the PAD data for gaining to the high value, the echo and howling may occur.*
NOTE 2: *This data setting is valid to the location that is set to "XX" in the first data.*
NOTE 3: *This command is effective when the level diagram control system is set to "Old Pattern".*

Continued on next page

COMMAND CODE	TITLE:
67	LOCATION DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
03	Echo Canceller between locations	XX ZZ	XX: Location number (00-63) ZZ : Location number (00-63)	00 01 NONE◀ CCC	Echo Canceller OFF Echo Canceller ON Echo Canceller ON Clear	CM12 Y=39/50 CM8A Y=5000-5255: 173
	NOTE 1: *This data setting is valid to the location that is set to "XX" in the first data.* **NOTE 2:** *This command is effective when the level diagram control system is set to "Old Pattern".*					
04	Minimum value of jitter buffer between locations	XX ZZ	XX: Location number (00-63) ZZ : Location number (00-63)	01 ~ 30 NONE◀ CCC	10 ms. ~ 300 ms. (10 ms. increments) 10 ms. Clear	CM12 Y=39/50 CM8A Y=5000-5255: 173
	NOTE 1: *When setting this data to other than default, set CM67 Y=05 to other than default.* **NOTE 2:** *Assign the value which does not exceed the maximum value of jitter buffer set by CM67 Y=05.* **NOTE 3:** *When setting this data to a value other than NONE, be sure to set the second data of CM67 Y=05 to a value other than NONE in order to make this setting available.* **NOTE 4:** *Jitter buffer of VoIPDB is controlled as 200 ms., when minimum value of jitter buffer is set more than 210 ms.* **NOTE 5:** *This data setting is valid to the location that is set to "XX" in the first data.*					
05	Maximum value of jitter buffer between locations	XX ZZ	XX: Location number (00-63) ZZ : Location number (00-63)	01 ~ 30 NONE◀ CCC	10 ms. ~ 300 ms. (10 ms. increments) 300 ms. Clear	CM12 Y=39/50 CM8A Y=5000-5255: 173
	NOTE 1: *When setting this data to other than default, set CM67 Y=04 to other than default.* **NOTE 2:** *Assign the value which exceeds the minimum value of jitter buffer set by CM67 Y=04.* **NOTE 3:** *When setting this data to a value other than NONE, be sure to set the second data of CM67 Y=04 to a value other than NONE in order to make this setting available.* **NOTE 4:** *This data setting is valid to the location that is set to "XX" in the first data.*					

Continued on next page

COMMAND CODE	TITLE:
67	LOCATION DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
06	Diffserv Code Point (DSCP) of control packet and voice packet	XX ZZ	XX: Location number (00-63) ZZ : Location number (00-63)	XX ZZ NONE◀	XX: 00-FE: DSCP of control packet ZZ : 00-FE: DSCP of voice packet C0A0	CM12 Y=39/50 CM8A Y=5000-5255: 173 CM67 Y=01
	NOTE 1: *Set this data as necessary when the system is connected to the router that provides the Diffserv type QoS function.* **NOTE 2:** *This data setting is valid for packets that are sent from the location which is set by "XX" in the first data to the location which is set by "ZZ" in the first data.* **NOTE 3:** *The TOS field precedence that is set by CM67 Y=01 becomes unavailable when this data is set. To make the TOS field precedence available again, reassign the data using CM67 Y=0 after assigning this data.* **NOTE 4:** *This command assigns an inter-unit QoS when using SIP trunks that are accommodated in different units.*						
07	Whether the IP Station at remote unit location from IPS through NAT can communicate with each other under the same NAT or not	XX ZZ	XX: Location number (00-63) ZZ : Location number (00-63)	0 1◀	Under the same NAT Under the different NAT or Not used NAT	CM67 Y=08
	NOTE: *The same location number must not be assigned to IP Station that is not accommodated under the same NAT. However, multiple location numbers can be assigned to IP Station that is accommodated under the same NAT.*					
08	Whether the connection between locations is restricted or not	XX ZZ	XX: Location number (00-63) ZZ : Location number (00-63)	0 1◀	To restrict Not restrict	CM67 Y=07
	NOTE: *Restrict the following connection by this command when NAT is used.* *-Connection via CCIS (Peer-to-Peer connection)* *-Connection between Main Unit and Remote Units* *-Connection between locations that are restricted the communications*					

Continued on next page

COMMAND CODE	TITLE:
67	LOCATION DATA ASSIGNMENT

Y=10-26

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
10	Time Zone setting of each location	00 ~ 63	Location number	XXXXX NONE◀	Time Zone (see the table below) No Time Zone	CM02

2nd Data	Time Zone
A2345	System Clock +23:45
A2330	System Clock +23:30
A2315	System Clock +23:15
A2300	System Clock +23:00
~	~
A0100	System Clock +01:00
A0045	System Clock +00:45
A0030	System Clock +00:30
A0015	System Clock +00:15
NONE◀	No Time Zone (No time difference)
B0015	System Clock -00:15
B0030	System Clock -00:30
B0045	System Clock -00:45
B0100	System Clock -01:00
~	~
B2300	System Clock -23:00
B2315	System Clock -23:15
B2330	System Clock -23:30
B2345	System Clock -23:45
CCC	Time Zone data clear

↑ +15 minutes increments

↓ -15 minutes increments

NOTE 1: *System clock should be assigned by CM02.*
NOTE 2: *After changing the data, system data copy to Remote Unit by CMEC Y=8 is required.*

Continued on next page

COMMAND CODE	TITLE:
67	LOCATION DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
13	Type of tone for each area/country for each location	00 ~ 63	Location number	01 02 03 04 05 06 07 08 09 10 11 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 NONE◀ CCC	Japan North America Australia A-law countries Hong Kong Malaysia Singapore UK Mexico Taiwan New Zealand China Thailand Brazil Netherlands Germany Italy Austria Belgium Spain Sweden UK Denmark Greece Switzerland South Africa Depends on Nation Code (CM31 Y=0>0) Clear	CM12 Y=39/50

Continued on next page

COMMAND CODE	TITLE:
67	LOCATION DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
14	Type of Service (TOS) field Precedence of control packet for IP Station for each location (RESET)	00 ~ 63	Location number	0 1 2 3 4 5 6 7 NONE◀ CCC	PRECEDENCE 0 PRECEDENCE 1 PRECEDENCE 2 PRECEDENCE 3 PRECEDENCE 4 PRECEDENCE 5 PRECEDENCE 6 PRECEDENCE 7 PRECEDENCE 6 Clear	CM0B Y=1XX>10 CM12 Y=39/50 CM67 Y=15
	NOTE 1: *The DSCP that is set by CM67 Y=15 is invalid when this data is set.* **NOTE 2:** *A location number assigned by CM0B Y=1XX>10 is effective for DT700/DT800/DT900 Series/SP350. A location number of IP Station (assigned by CM12 Y=39, 50) cannot be assigned.* **NOTE 3:** *The following reset is required for each terminal.* *- When this data is set to the DT700/DT800/DT900 Series/SP350, a system reset is required.* *- When this data is set to the IP Station, a reset of terminal is required.*					
15	Diffserv Code Point (DSCP) of control packet for IP Station to each location (RESET)	00 ~ 63	Location number	00 ~ FE NONE◀	DSCP of control packet C0	CM0B Y=1XX>10 CM12 Y=39/50 CM67 Y=14
	NOTE 1: *The TOS field precedence that is set by CM67 Y=14 is invalid when this data is set.* **NOTE 2:** *A location number assigned by CM0B Y=1XX>10 is effective for DT700/DT800/DT900 Series/SP350. A location number of IP Station (assigned by CM12 Y=39, 50) cannot be assigned.* **NOTE 3:** *The following reset is required for each terminal.* *- When this data is set to the DT700/DT800/DT900 Series/SP350, a system reset is required.* *- When this data is set to the IP Station, a reset of terminal is required.*					

Continued on next page

COMMAND CODE	TITLE:
67	LOCATION DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
20	FAX control information list to each location	XX ZZ	XX: Location number (00-63) ZZ : Location number (00-63)	1 2 3 4-7 NONE◀	Fixed list 1 (G.711) Fixed list 2 (G.726) Fixed list 3 (T.38 UDPTL) Programmable list 4-7 (depends on the setting CM67 Y=21-24) Fixed list 1 (G.711)	CM67 Y=21-24

NOTE 1: *Details of FAX Control Data List (Fixed List) are shown below.*

	Fixed list 1	Fixed list 2	Fixed list 3
FAX Protocol	G.711 µ/A-law	G.726	T.38 UDPTL
FAX Payload Size	40 ms.	40 ms.	20 ms.
Minimum Jitter Buffer	150 ms.	150 ms.	–
Maximum Jitter Buffer	150 ms.	150 ms.	–
Transmission Speed	–	–	14400 bps
The Number of Control Data Retransmission	–	–	3 times
The Number of Image Data Retransmission	–	–	0 times
T.38 Version	–	–	Version 0

NOTE 2: *When the CODEC type of SIP trunk for FAX communication is set to T.38 (UDPTL) by CMBA Y=119, Fixed list 1 to 2 operate as Fixed list 3.*

NOTE 3: *When the Fixed list 1 (G.711) is used, µ/A-law shall follow the system setting (CM31 Y=0, CM04 Y=10-59>00).*

NOTE 4: *A control information list assigned by this command is valid for packets that are sent from the location which is set by "XX" in the first data to the location which is set by "ZZ" in the first data.*

NOTE 5: *When using SIP trunks accommodated in different units, assign an inter-unit FAX control information list between the units by this command.*

Continued on next page

COMMAND CODE	TITLE:
67	LOCATION DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
21 22 23 24	Programmable list 4 Programmable list 5 Programmable list 6 Programmable list 7	00	FAX Protocol Pattern No.	00 01 02 03 06 NONE◀	Not detected the FAX protocol G.711 μ-law G.711 A-law G.726 T.38 UDPTL As per Fixed list 1 of CM67 Y=20	CM67 Y=20
		NOTE 1: *To avoid the false detection, set the second data to 00 when the FAX over IP feature is not provided between locations.* **NOTE 2:** *When using SIP trunk, set FAX Protocol Pattern assigned by CMBA Y=119.* **NOTE 3:** *When using SIP trunks accommodated in different units, assign an inter-unit FAX protocol information between the units by this command.*				
		01	FAX Payload Size Pattern No.	02 ~ 04 NONE◀	20 ms. ~ 40 ms. (10 ms. increments) As per Fixed list of CM67 Y=20	CM67 Y=20
		NOTE: *When using SIP trunk, set FAX Payload size assigned by CMBA Y=120.*				
		09	FAX Jitter Buffer	01 ~ 30 NONE◀	10 ms. ~ 300 ms. (10 ms. increments) 150 ms.	
		NOTE: *This data is not available when using T.38 UDPTL.*				

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COMMAND CODE	TITLE:
67	LOCATION DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
21 22 23 24	Programmable list 4 Programmable list 5 Programmable list 6 Programmable list 7	10	T.38 Fax Transmission speed	0 1 2 3 4 5 NONE◀	2.4 kbps 4.8 kbps 7.2 kbps 9.6 kbps 12.0 kbps 14.4 kbps 14.4 kbps	
		15	The number of T.38 FAX control data retransmission	0 ~ 8 NONE◀	0 times ~ 8 times 3 times	
		NOTE: *Follow the typical default setting.*				
		16	The number of T.38 FAX image data retransmission	0 1 2 NONE◀	0 times 1 time 2 times 0 times	
		NOTE: *Follow the typical default setting.*				
		19	T.38 version	0 1 2 3 NONE◀	Version 0 (ASN.1 coding according to T.38 06-1998) Version 1 (1998 ASN.1 syntax, org doc: 11-2000) Version 2 (ASN.1 coding according to T.38 03-2002) Version 3 (2002 ASN.1 syntax extended, org doc: 04-2004) Version 0 (ASN.1 coding according to T.38 06-1998)	
		NOTE: *Follow the typical default setting.*				

Continued on next page

COMMAND CODE	TITLE:
67	LOCATION DATA ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
26	DTMF setting between units	XX ZZ	XX: Location number (00-63) ZZ : Location number (00-63)	0 1◀	Inband DTMF Outband DTMF	CM0B Y=1XX>10
	NOTE 1: *This data is effective when connecting between Standard SIP station and Standard SIP station/SIP trunk.* **NOTE 2:** *Assign the location number of the units by CM0B Y=1XX>10.* **NOTE 3:** *This data is ineffective when standard SIP stations are interconnected through a Peer-to-Peer connection.*					

Continued on next page

COMMAND CODE	TITLE:
67	LOCATION DATA ASSIGNMENT

Y=30-33

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
30	Daylight Saving time setting of each location	00 ~ 63	Location number	0 NONE◀	To operate with Daylight Saving time (+1 hour) To operate with Standard time	CM67 Y=10 CM0B Y=1XX>10
	NOTE 1: *After changing the data, system data copy to Remote Unit by CMEC Y=8 is required.* **NOTE 2:** *Usually do not set this command by PCPro/CAT. This command is set automatically when automatic system clock change has been executed by CM43 Y=8/CM67 Y=31.*					
31	Automatic clock change pattern	00 ~ 63	Location number	0 1 NONE◀	Change Pattern 0 Change Pattern 1 Automatic clock change is not provided	CM43 Y=8>00-03 CM43 Y=8>04-07
32	Emergency Notification on Multi-line Terminal/ DESKCON -No.1			X ~ XXXX XXXX E000 ~ E007 NONE◀	Station number Attendant Console 0 ~ Attendant Console 7 No data	CM67 Y=33
33	Emergency Notification on Multi-line Terminal/ DESKCON -No.2			X ~ XXXX XXXX E000 ~ E007 NONE◀	Station number Attendant Console 0 ~ Attendant Console 7 No data	CM67 Y=32

Continued on next page

COMMAND CODE	TITLE:
67	LOCATION DATA ASSIGNMENT

Y=90-92

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
90	Limit bandwidth between locations	XX ZZ	XX: Location number (00-63) ZZ : Location number (00-63)	00000 ~ 65534 NONE◀ CCC	0 Kbps ~ 65534 Kbps 100000 Kbps (100 Mbps) Clear	CM12 Y=39/50 CM8A Y=5000-5255: 173 CM67 Y=92
	NOTE 1: *Assign the value which exceeds the warning bandwidth set by CM67 Y=92.* **NOTE 2:** *Set the bandwidth for voice packet. The available bandwidth minus the bandwidth for control packet (40 Kbps) is the bandwidth for voice packet.* *If the reflection speed of terminals such as button reflection becomes slower by setting the value above mentioned above, set the bandwidth for voice packet to value which the bandwidth for control packet supposed more than 40 Kbps.*					
91	Action when the traffic between locations exceeds the limit bandwidth	XX ZZ	XX: Location number (00-63) ZZ : Location number (00-63)	0 3◀	Restrict the connection between location groups Keep the connection between location groups	CM12 Y=39/50 CM67 Y=90 CM8A Y=5000-5255: 173
92	Warning band-width between locations	XX ZZ	XX: Location number (00-63) ZZ : Location number (00-63)	00000 ~ 65534 NONE◀ CCC	0 Kbps ~ 65534 Kbps 100000 Kbps (100 Mbps) Clear	CM12 Y=39/50 CM8A Y=5000-5255: 173 CM67 Y=90
	NOTE: *Assign the value which does not exceed the limit bandwidth set by CM67 Y=90.*					

COMMAND CODE	TITLE:
68	LEVEL DIAGRAM SETTING FOR EACH CONNECTION PATTERN

FUNCTION:

This command is used to assign various settings between Level Diagram groups.

PRECAUTION:

For details of level diagram group numbers and the level diagram setting method of the standard pattern, see Appendix B "LEVEL DIAGRAM SETTING FOR SYSTEM". ☞ *Page B-1*

ASSIGNMENT PROCEDURE:

ST + 68Y + DE + Level Diagram Group No. AA (00-31) + Level Diagram Group No. BB (00-31) + DE + Setting DATA (1-2 digits) + EXE

DATA TABLE:

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
00	Level diagram setting between groups	AA BB	AA: Level diagram group number (00-31) BB: Level diagram group number (00-31)	0 1 2 NONE◀	Standard Pattern (As per CM68 setting) Standard Pattern (As per CM68 default data) Old Pattern As per CM08>739	CM08>739
	NOTE 1: *Assign this data between arbitrary Level diagram groups when using a Level diagram control method different from that for the System (assigned by CM08>739).* **NOTE 2:** *As a setting for the 1st data AABB (between Level Diagram Group Number AA and BB) is assigned (or cleared), the same setting for the reverse direction data (between Level Diagram Group Number BB and AA) is also assigned (or cleared).*					

Continued on next page

COMMAND CODE	TITLE:
68	LEVEL DIAGRAM SETTING FOR EACH CONNECTION PATTERN

DATA TABLE:

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
01	PAD data between groups (AA -> BB)	AA BB	AA: Level diagram group number (00-31) BB: Level diagram group number (00-31)	00 ~ 15 16 17 ~ 28 ~ 32 NONE◀	-16 dB ~ (1 dB increment) -1 dB 0 dB +1 dB ~ (1 dB increment) +12 dB ~ +12 dB Default value of each group	CM08>739
	NOTE 1: *This data is valid when Standard method is specified for Level Diagram Control Method.* **NOTE 2:** *As a setting for the 1st data AABB (from Level Diagram Group Number AA to BB) is assigned (or cleared), the same setting for the reverse direction data (from Level Diagram Group Number BB to AA) (assignable by using CM68 Y=02) is also assigned (or cleared).* **NOTE 3:** *The plus/minus sign meanings for 2ND DATA: +: Gain/ -: Loss.*					
02	PAD data between groups (BB -> AA)	AA BB	AA: Level diagram group number (00-31) BB: Level diagram group number (00-31)	00 ~ 15 16 17 ~ 28 ~ 32 NONE◀	-16 dB ~ (1 dB increment) -1 dB 0 dB +1 dB ~ (1 dB increment) +12 dB ~ +12 dB Default value of each group	CM08>739
	NOTE 1: *This data is valid when Standard method is specified for Level Diagram Control Method.* **NOTE 2:** *As a setting for the 1st data AABB (from Level Diagram Group Number BB to AA) is assigned (or cleared), the same setting for the reverse direction data (from Level Diagram Group Number AA to BB) (assignable by using CM 68 Y=01) is also assigned (or cleared).* **NOTE 3:** *The plus/minus sign meanings for 2ND DATA: +: Gain/ -: Loss.*					

Continued on next page

COMMAND CODE	TITLE:
68	LEVEL DIAGRAM SETTING FOR EACH CONNECTION PATTERN

DATA TABLE:

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
11	VoIPDB Echo Canceller between groups	AA BB	AA: Level diagram group number (00-31) BB: Level diagram group number (00-31)	0 1 2 NONE◀	Echo Canceller OFF/NLP OFF Echo Canceller ON/ NLP OFF Echo Canceller ON/ NLP ON Echo Canceller ON/ NLP ON	CM08>739
	NOTE 1: *NLP (Non Linear Processor) is a feature to remove residual echo.* **NOTE 2:** *This data is valid when Standard method is specified for the Level Diagram Control Method.* **NOTE 3:** *As for a normal operation, leave this data default because it does not require any change.*					
20	IP Terminal Send PAD	AA BB	AA: Level diagram group number (00-31) BB: Level diagram group number (00-31)	00 ~ 15 16 17 ~ 32 NONE◀	-16 dB ~ (1 dB increment) -1 dB 0 dB +1 dB ~ (1 dB increment) +16 dB 0 dB	CM08>739
	NOTE 1: *This data is valid when Standard method is specified for the Level Diagram Control Method.* **NOTE 2:** *This data is valid only for IP Terminals in the Level diagram group number AA assigned for the 1ST DATA.* **NOTE 3:** *The plus/minus sign meanings for 2ND DATA: +: Gain/ -: Loss.*					

Continued on next page

COMMAND CODE	TITLE:
68	LEVEL DIAGRAM SETTING FOR EACH CONNECTION PATTERN

DATA TABLE:

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
21	IP Terminal Receive PAD	AA BB	AA: Level diagram group number (00-31) BB: Level diagram group number (00-31)	00 ~ 15 16 17 ~ 32 NONE◀	-16 dB ~ (1 dB increment) -1 dB 0 dB +1 dB ~ (1 dB increment) +16 dB 0 dB	CM08>739
	NOTE 1: *This data is valid when Standard method is specified for the Level Diagram Control Method.* **NOTE 2:** *This data is valid only for IP Terminals in the Level diagram group number AA assigned for the 1ST DATA.* **NOTE 3:** *The plus/minus sign meanings for 2ND DATA: +: Gain/ -: Loss.*					
22	IP Terminal Echo Canceller	AA BB	AA: Level diagram group number (00-31) BB: Level diagram group number (00-31)	0 1 NONE◀	Echo Canceller OFF Echo Canceller ON Echo Canceller ON	CM08>739
	NOTE 1: *This data is valid when Standard method is specified for the Level Diagram Control Method.* **NOTE 2:** *This data is valid only for IP Terminals in the Level diagram group number AA assigned for the 1ST DATA.*					

Continued on next page

COMMAND CODE	TITLE:
68	LEVEL DIAGRAM SETTING FOR EACH CONNECTION PATTERN

DATA TABLE:

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
30	TDSW PAD (IP -> TDM)	AA BB	AA: Level diagram group number (00-31) BB: Level diagram group number (00-31)	00 ~ 15 16 17 ~ 28 ~ 32 NONE◀	-16 dB ~ (1 dB increment) -1 dB 0 dB +1 dB ~ (1 dB increment) +12 dB ~ +12 dB 0 dB	CM08>739
	NOTE 1: *This data is valid when Standard method is specified for the Level Diagram Control Method.* **NOTE 2:** *As for a normal operation, leave this data default because it does not require any change.* **NOTE 3:** *The plus/minus sign meanings for 2ND DATA: +: Gain/ -: Loss.*					
31	VoIPDB PAD (IP -> TDM)	AA BB	AA: Level diagram group number (00-31) BB: Level diagram group number (00-31)	00 ~ 15 16 17 ~ 32 NONE◀	-16 dB ~ (1 dB increment) -1 dB 0 dB +1 dB ~ (1 dB increment) +16 dB 0 dB	CM08>739
	NOTE 1: *This data is valid when Standard method is specified for the Level Diagram Control Method.* **NOTE 2:** *As for a normal operation, leave this data default because it does not require any change.* **NOTE 3:** *The plus/minus sign meanings for 2ND DATA: +: Gain/ -: Loss.*					

Continued on next page

COMMAND CODE	TITLE:
68	LEVEL DIAGRAM SETTING FOR EACH CONNECTION PATTERN

DATA TABLE:

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
32	TDSW PAD (TDM -> IP)	AA BB	AA: Level diagram group number (00-31) BB: Level diagram group number (00-31)	00 ~ 15 16 17 ~ 28 ~ 32 NONE◀	-16 dB ~ (1 dB increment) -1 dB 0 dB +1 dB ~ (1 dB increment) +12 dB ~ +12 dB 0 dB	CM08>739
	NOTE 1: *This data is valid when Standard method is specified for the Level Diagram Control Method.* **NOTE 2:** *As for a normal operation, leave this data default because it does not require any change.* **NOTE 3:** *The plus/minus sign meanings for 2ND DATA: +: Gain/ -: Loss.*					
33	VoIPDB PAD (TDM -> IP)	AA BB	AA: Level diagram group number (00-31) BB: Level diagram group number (00-31)	00 ~ 15 16 17 ~ 32 NONE◀	-16 dB ~ (1 dB increment) -1 dB 0 dB +1 dB ~ (1 dB increment) +16 dB 0 dB	CM08>739
	NOTE 1: *This data is valid when Standard method is specified for the Level Diagram Control Method.* **NOTE 2:** *As for a normal operation, leave this data default because it does not require any change.* **NOTE 3:** *The plus/minus sign meanings for 2ND DATA: +: Gain/ -: Loss.*					

Continued on next page

COMMAND CODE	TITLE:
68	LEVEL DIAGRAM SETTING FOR EACH CONNECTION PATTERN

DATA TABLE:

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
60	VoIPDB Smooth-PAD	AA BB	AA: Level diagram group number (00-31) BB: Level diagram group number (00-31)	0 1 2 3 4 5 NONE◀	Disable Mode1 (-4.91 dBm to +2.12 dBm) Mode2 (-12.13 dBm to -5.26 dBm) Mode3 (-9.15 dBm to -2.13 dBm) Mode4 (-6.82 dBm to +0.06 dBm) Mode5 (-11.02 dBm to -4.24 dBm) Default value of each group	CM08>739
	NOTE 1: *The SmoothPAD feature works as a voice level limiter.* **NOTE 2:** *This data is valid when Standard method is specified for the Level Diagram Control Method.* **NOTE 3:** *As for a normal operation, leave this data default because it does not require any change.*					
61	VoIPDB NLP Sensitivity	AA BB	AA: Level diagram group number (00-31) BB: Level diagram group number (00-31)	1 2 3 NONE◀	Low Medium High Default value of each group	CM08>739
	NOTE 1: *NLP (Non Linear Processor) is a feature to remove residual echo.* **NOTE 2:** *This data is valid when Standard method is specified for the Level Diagram Control Method.* **NOTE 3:** *As for a normal operation, leave this data default because it does not require any change.*					

Continued on next page

COMMAND CODE	TITLE:
68	LEVEL DIAGRAM SETTING FOR EACH CONNECTION PATTERN

DATA TABLE:

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
62	VoIPDB NLP Threshold	AA BB	AA: Level diagram group number (00-31) BB: Level diagram group number (00-31)	00 01-29 30 ~ 63 NONE◀	Auto Not used -30 dB ~ -63 dB Default value of each group	CM08>739
	NOTE 1: *NLP (Non Linear Processor) is a feature to remove residual echo.* **NOTE 2:** *This data is valid when Standard method is specified for the Level Diagram Control Method.* **NOTE 3:** *As for a normal operation, leave this data default because it does not require any change.*					
99	Data Clear between groups	AA BB	AA: Level diagram group number (00-31) BB: Level diagram group number (00-31)	CCC	Data Clear	CM68 Y=00-02, 11, 20-22, 30-33, 60-62
	NOTE: *As a setting for the 1st data AABB (between Level Diagram Group Number AA and BB) is cleared, the setting for the reverse direction data (between Level Diagram Group Number BB and AA) is also cleared.*					

COMMAND CODE	TITLE:
71	MEMORY ALLOCATION FOR CALLED PARTY NUMBERS

FUNCTION:

This command is used to allocate memory area for each called party number such as an Attendant Console or a Hotline-Outside station.

PRECAUTION:

(1) Limitation on Memory Slot Allocations

- For Attendant Console: Maximum of 300 memory slots
- For Hot Line-Outside/Delayed Hotline-Outside call:
  Maximum of 100 memory slots (maximum number of Hot Lines/Delayed Hotlines)
- For Route Advance from Tie line to C.O. line: Maximum of 100 memory slots
- For LDN-Outside: Maximum of 32 memory slots
- For Direct-In Termination: Maximum of 100 memory slots (maximum number of Trunk Routes)
- For Voice Mail station No.: Maximum of 100 memory slots
- For automatic fault information sending form built-in modem on CPU:
  Maximum of 2 memory slots (Only 002 is allowed for the data "Number of Slots to be assigned in Block".)
- For Terminating number of opposite office on alternative ISDN connection:
  Maximum of 32 memory slots

(2) "Route Advance from Tie line to C.O. line" means that a C.O. number assigned to the calling number memory area is automatically dialed if all the trunk routes are busy when a call is originated from a Tie line. However, care must be taken when the Tie Line destination is a relay office (i. e. tandem office).

ASSIGNMENT PROCEDURE:

[ST] + 71 + [DE] + KIND OF CALLING PARTY (2 digits) + [DE] + DATA (6 digits) + [EXE]

COMMAND CODE	TITLE:
71	MEMORY ALLOCATION FOR CALLED PARTY NUMBERS

DATA TABLE:

◀: Default

KIND OF CALLING PARTY		SETTING DATA	
No.	**MEANING**	**DATA**	**MEANING**
64	Exclusively for Attendant Console (Related Command: CM72 Y=0)	XXX YYY	XXX: Starting Memory Slot number in Block: 000-299 YYY: Number of Slots to be assigned in Block: 001-300
65	Exclusively for Hot Line-Outside/ Delayed Hotline-Outside call (Related Command: CM52 Y=XX>1: CXX, CM72 Y=0)	NONE◀	No data
66	Exclusively for Route Advance from Tie line to C.O. line (Related Command: CM35 Y=040, CM72 Y=0)		
	Exclusively for LDN-Outside (Related Command: CM58 Y=08, 09: CXX, CM72 Y=0)		
	Exclusively for Direct-In Termination (Related Command: CM30 Y=04, 05: CXX, 42, 43,CM72 Y=0)		
	Exclusively for Voice Mail station No. (Related Command: CM50 Y=10, CM72 Y=0)		
67	Exclusively for automatic fault information sending from built-in modem on CPU (Related Command: CM72 Y=0)		

Continued on next page

COMMAND CODE	TITLE:
71	MEMORY ALLOCATION FOR CALLED PARTY NUMBERS

DATA TABLE:

◀: Default

KIND OF CALLING PARTY		SETTING DATA	
No.	**MEANING**	**DATA**	**MEANING**
68	Terminating number of opposite office on alternative ISDN connection (Related Command: CM72 Y=0)	XXX YYY	XXX: Starting Memory Slot number in Block: 000-299 YYY: Number of Slots to be assigned in Block: 001-032
		NONE◀	No data
	NOTE 1: *One slot corresponds to one abbreviated code of a station number. Use CM72 Y=0 to assign a called party number to a slot number.* **NOTE 2:** *Assign the number of slots to be used for each kind of calling party. For the maximum number of slots available for each kind of calling party, see PRECAUTION (1).* *e.g., When assigning 2 slots exclusively for the attendant console, and assigning 10 slots exclusively for the hotline origination.:* *CM71>64: 000002* *CM71>65: 002010*		

COMMAND CODE	TITLE:
72	CALLED PARTY NUMBER/NAME ASSIGNMENT

FUNCTION:

This command is used to enter called party numbers/names into each called party number memory area allocated by using CM71.

PRECAUTION:

(1) When displaying the data, the access code corresponding to the Memory Slot number is indicated by the very first [DE], and the called party number is indicated by the next [DE]. When the number of digits of the called party number exceeds 16, the 17th to 26th digits are indicated by the next [DE].

(2) Data can only be changed when the access code is displayed. Enter the data in the following order; new access code, comma, the called number, and [EXE]. For clearing the data, enter "CCC", and [EXE].

(3) If "C" is inserted in the called number, it can be used as a fixed-length pause (1.5 seconds). To provide a programmable pause with the stored number, insert "D" instead of "C". The length of the programmable pause is assigned with CM41 Y=0>38.

(4) When entering data with characters, the following characters can be registered;
Alphabet upper case (A-Z), alphabet lower case (a-z), numeric (0-9), symbol (! " # $ % & ' ( ) * + , ; < = > ? @ [ ] ^ _ ' { } ~), Space, hyphen (-), period (.), slash (/), colon (:)

NOTE: *The character string "CCC" cannot be registered.*

ASSIGNMENT PROCEDURE:

[ST] + 72Y + [DE] + MEMORY SLOT NUMBER (3 digits) + [DE] + DATA (Maximum 32 digits) + [EXE]

COMMAND CODE	TITLE:
72	CALLED PARTY NUMBER/NAME ASSIGNMENT

DATA TABLE:

◀: Default

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
0	000-299	Memory Slot number	XXXX [,] YY...Y	XXXX: Access Code (Maximum 4 digits) [,] : Separator Mark YY...Y : Called Party Number (Maximum 26 digits)
			X-XXXXXXXX	Station Number (Maximum 8 digits)
			CCC	Clear
			NONE◀	No data
1	000-299	Memory Slot number	XXX...X	Called Party Name Character Code (Maximum 32 digits: 16 characters) See Character Code Table in CM77.
			NONE◀	No data
2	000-299	Memory Slot number	XXX...X	Called Party Name Character by PCPro/CAT (Maximum 16 characters)
			NONE◀	No data
4	000-299	Memory Slot number	XXX...X	Called Party Name Character Code (Maximum 32 digits: 16 characters) (for Russian) See Character Code Table for Russian in CM77.
			NONE◀	No data

Continued on next page

COMMAND CODE	TITLE:
72	CALLED PARTY NUMBER/NAME ASSIGNMENT

◀: Default

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
5	000-299	Memory Slot number	XXX...X	Calling Party Name Character by PCPro (Maximum 8 characters) (for Simplified Chinese)
			NONE◀	No data
	NOTE: *This data can be assigned by PCPro, not by CAT.*			
6	000-299	Memory Slot number	XXX...X	Calling Party Name Character by PCPro (Maximum 8 characters) (for Traditional Chinese)
			NONE◀	No data
	NOTE: *This data can be assigned by PCPro, not by CAT.*			

COMMAND CODE	TITLE:
73	MEMORY ALLOCATION FOR SPEED DIALING

FUNCTION:

This command is used to allocate memory areas for Station Speed Dialing and System Speed Dialing (2-4 digits).

PRECAUTION:

(1) The allowed number of 10-Slot Memory Blocks per station number ranges from 1 to 10.

(2) The memory area to be used for Station Speed Dialing, System Speed Dialing (with 2-4 digit-code) and Malicious Call List is shared by the following features. Do not assign the same 1000-Slot Memory Block number for those different features.
- 1000-Slot Memory Block number 00-19 for System Speed Dialing with 1-8 digits abbreviated code (assigned by CM74 Y=0)
- 1000-Slot Memory Block number 00-99 used for Multiline Terminal's one-touch memory (assigned by CM94)

The maximum memory numbers that can be registered in a system for each feature are as follows.
- System Speed Dialing with 2-4 digits abbreviated code:
  10000 memories (ten 1000-Slot Memory Blocks)
- System Speed Dialing with 1-8 digits abbreviated code:
  10000 memories (ten 1000-Slot Memory Blocks)
- Malicious Call List
  2000 memories (two 1000-Slot Memory Blocks)
- Multiline Terminal's one-touch memory:
  20000 memories (twenty 1000-Slot Memory Blocks)

ASSIGNMENT PROCEDURE:

[ST] + 73Y + [DE] + 1ST DATA (1-8 digits) + [DE] + 2ND DATA (1-9 digits) + [EXE]

COMMAND CODE	TITLE:
73	MEMORY ALLOCATION FOR SPEED DIALING

DATA TABLE:

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
0	The Usage of Memory for Speed Dialing	00 ~ 99	1000-Slot Memory Block No. 00-99	0 1 2 NONE◀	System Speed Dialing (for individual tenants) System Speed Dialing (for all tenants) (Up to 10 blocks) Malicious Call List (Maximum 2 blocks) Station Speed Dialing/One-touch Memory
	NOTE: *This command specifies a usage of Speed Dialing memory for each of 1000-Slot Memory Blocks.*				
1	Memory allocation for Station Speed Dialing	X ~ XXXX XXXX	Station No.	WW XX YYY Z NONE◀	WW : 1000-Slot Memory Block No. (00-99) XX : 10-Slot Memory Start Block No. (00-99) YYY: Number of 10-Slot Memory Blocks (001-100) Z : Facility for programming the dialed No. from the station Allowed/Not allowed (0/1) No data
	NOTE: *This command allocates a memory area for each Station No. to a 1000-Slot Memory Block No. to which no memory area has been allocated by CM73 Y=0.*				

Continued on next page

COMMAND CODE	TITLE:
73	MEMORY ALLOCATION FOR SPEED DIALING

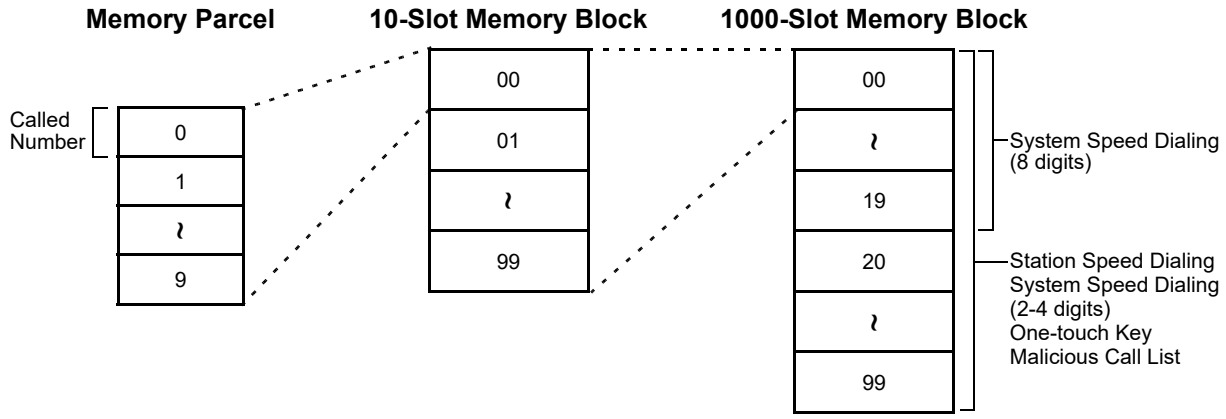
◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
2	Memory allocation for System Speed Dialing	00 ≀ 63	Tenant No.	WW XX YYYY Z	WW : 1000-Slot Memory Block No. (00-99) XX : 10-Slot Memory Start Block No. (00-99) YYYY: Number of 10-Slot Memory Blocks 0001-1000 Z : To allocate memory tenants (0)/ To allocate both memory areas for individual tenants and for all tenants (1)
				FFFFFFFFF	To allocate only common memory area for all tenants.
				NONE◀	No data
	NOTE: *This command allocates a tenant-based memory area to each 1000-Slot Memory Block No. assigned as System Speed Dialing (for individual tenants) by CM73 Y=0.*				

■ A Concept of 1000-Slot Memory Block, 10-Slot Memory Block and Memory Parcel

The memory area for a single called number is referred to as a "Memory Parcel". Ten Memory Parcels are called a "10-Slot Memory Block", and one hundred 10-Slot Memory Blocks are called a "1000-Slot Memory Block".

The relationship among Memory Parcels, 10-Slot Memory Blocks, and 1000-Slot Memory Blocks is illustrated below.



Continued on next page

COMMAND CODE	TITLE:
73	MEMORY ALLOCATION FOR SPEED DIALING

■ How to assign Memory Start Block Number

If the number of Speed Dialing memory parcels to assign is 10 for Station Number 300, 20 for Station Number 301, and 30 for Station Number 302, assign the memory areas as follows.

Station Number	1000-Slot Memory Block Number	Memory Start Block Number (10-Slot Memory Block)	Number of 10-Slot Memory Blocks
300	00	00	1
301	00	01	2
302	00	03	3
303	00	06	1

■ A Concept of Abbreviated Code

The abbreviated codes for Station Speed Dialing are automatically determined by assigning this command on a station basis.

[For Station Speed Dialing]

- If the number of Memory Parcels per station (or per station group) is 1-9, then the Abbreviated Code is represented by 1 digit.
- If the number of 10-Slot Memory Blocks per station (or per station group) is 10-100, then the Abbreviated Code is represented by 2-digit number.
- If the number of 10-Slot Memory Blocks per station (or per station group) is 110 to 1000, then the Abbreviated Code is represented by 3-digit number.

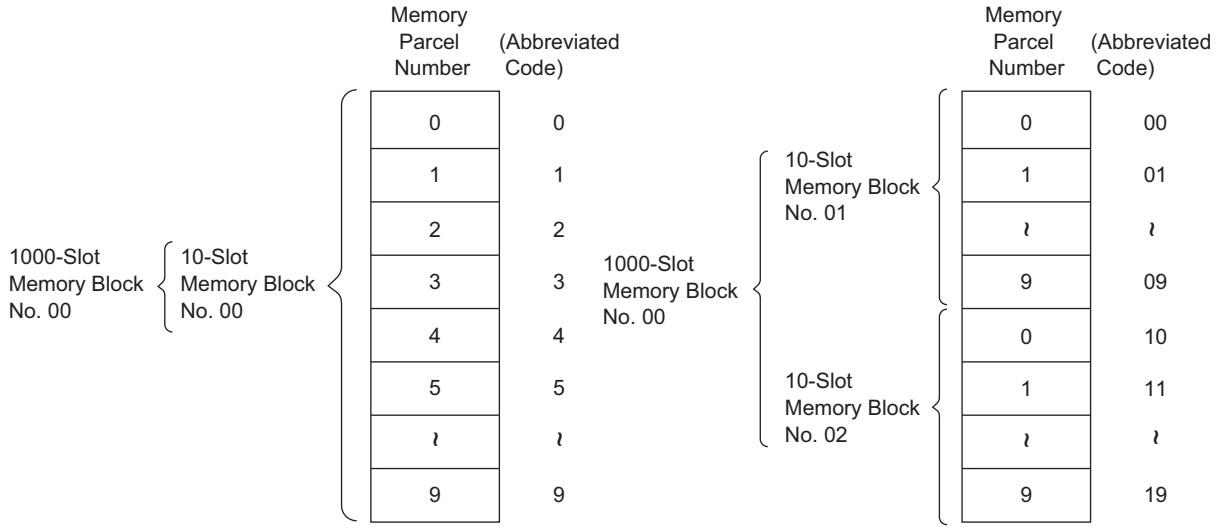
[For System Speed Dialing (2-4 digits)]

- If the number of 10-Slot Memory Blocks per tenant is 10 to 100, then the Abbreviated Code is represented by 2-digit number.
- If the number of 10-Slot Memory Blocks per tenant is 110 to 1000, then the Abbreviated Code is represented by 3-digit number.
- If the number of 10-Slot Memory Blocks per tenant is 1010 to 10000, then the Abbreviated Code is represented by 4-digit number.

Continued on next page

COMMAND CODE	TITLE:
73	MEMORY ALLOCATION FOR SPEED DIALING

The following diagrams show the Abbreviated Codes for System Speed Dialing.



■ Facility for Programming

A memory area allocated by CM73 can be shared with several stations. Also, in the stations, which station can assign or change the data can be determined.

Example:

Station Number	Assigned data		Facility for Programming
300	0000030	Same Stored No. (30)	Allowed
301	0000031		Not Allowed
302	0000031		Not Allowed
310	0003020	Same Stored No. (20)	Allowed
311	0003021		Not Allowed
312	0003021		Not Allowed

Continued on next page

COMMAND CODE	TITLE:
73	MEMORY ALLOCATION FOR SPEED DIALING

■ Memory Area Assignment Conditions

(1) The Speed Dialing Number memory area is allotted to the System Speed Dialing, the Station Speed Dialing and the One-touch Memory in terms of 1000 memory parcels.

(2) The memory area cannot be shared by the System Speed Dialing and the Station Speed Dialing. Specify a usage for each 1000-Slot Memory Block using CM73 Y=0 in advance.

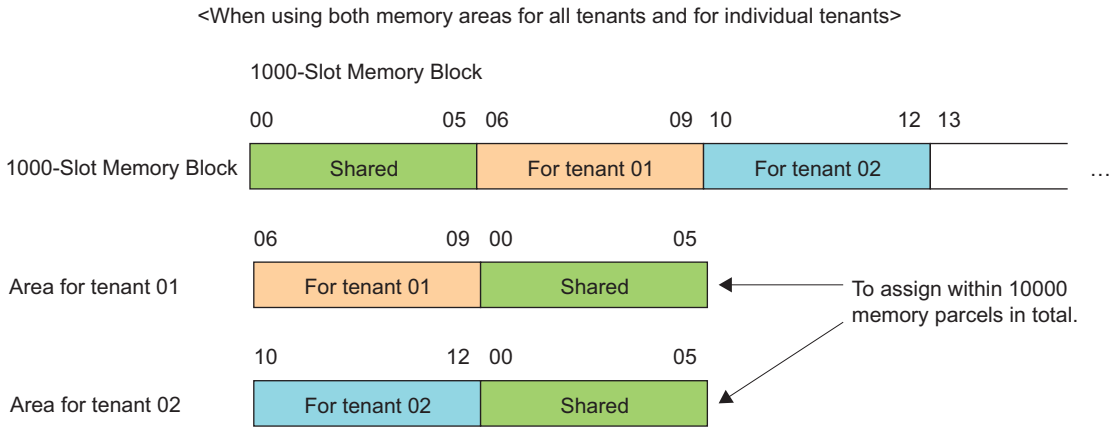
(3) After specifying a usage of Speed Dialing for each 1000-Slot Memory Block (CM73 Y=0), perform the memory area assignment in accordance with the usage. The details are shown in the table below.

Speed Dialing		Details
Station Speed Dialing (CM73 Y=1)		• Allocate sequential memory areas to each station in terms of 10 memory parcels (by 10-Slot Memory Block) at minimum. • The maximum number of memory parcels per station is 1000, and the memories are allowed to extend across multiple 1000-Slot Memory Blocks. • A memory area can also be shared by multiple stations.
System Speed Dialing (CM73 Y=2)	Memory area for all tenants	• Allocate a memory area to each tenant in terms of 1000 memory parcels (by 1000-Slot Memory Block). • Up to 10000 memory parcels can be allocated.
	Memory area for individual tenants	• Allocate sequential memory areas to each tenant in terms of 10 memory parcels (by 10-Slot Memory Block) at minimum. • The maximum number of memory parcels per tenant is 10000, and these memories are allowed to extend across multiple 1000-Slot Memory Blocks. • A memory area can also be shared by multiple tenants.

Continued on next page

COMMAND CODE	TITLE:
73	MEMORY ALLOCATION FOR SPEED DIALING

(4) The usages of memory areas for the System Speed Dialing can be selected for each tenant: either memory areas for all tenants or those for individual tenants are used; or both memory areas are used. When using both memory areas, the areas are regarded as a series of areas. In this case, the memories have to be allocated so that the total number of memory area parcels for all tenants and for individual parcels is within 10000. (Related command: CM73 Y=2).



(5) If the usage for 1000-Slot Memory Block assigned by CM73 Y=0 does not accord with the memory area allocation assigned by CM73 Y=1/2, an office data registration itself is not restricted, however a call origination/registration is restricted.

e.g.) If an area assigned for the Station Speed Dialing is allocated to a 1000-Slot Memory Block assigned for the System Speed Dialing, ROT will sound at a call origination/registration.

COMMAND CODE	TITLE:
74	CALLED PARTY NUMBER FOR STATION SPEED DIALING/SYSTEM SPEED DIALING, CALLING PARTY NUMBER OF MALICIOUS CALL, ILLUMINATION COLOR OF MULTILINE TERMINAL BASED ON CALLING PARTY NUMBER/CLI, DISPLAY NAME REGISTRATION FOR MALICIOUS CALL, DEPARTMENT NO. FOR USER WEB PORTAL

FUNCTION:

This command is used to assign the called party number for Station Speed Dialing feature into the memory allocated with CM73. In addition, this command can be assign the calling party numbers of Malicious Call, illumination color of Multiline Terminal based on the calling party number/CLI and the display name registration for Malicious Call and the department number for User Web Portal.

PRECAUTION:

(1) Data can only be changed when the access code is displayed. Enter the data in the following order; the new access code, comma, the called number, and EXE. For clearing the data, enter "CCC" and EXE.

(2) The memory area to be used for Station Speed Dialing, System Speed Dialing (2-4 digits) and Malicious Call List is shared by the following features. Do not assign the same 1000-Slot Memory Block number for those different features.
- 1000-Slot Memory Block number 00-19 for System Speed Dialing with 1-8 digits abbreviated code (assigned by CM74 Y=0)
- 1000-Slot Memory Block number 00-99 used for Multiline Terminal's one-touch memory (assigned by CM94)

The maximum memory numbers that can be registered in a system for each feature are as follows.
- System Speed Dialing with 2-4 digits abbreviated code:
  10000 memories (ten 1000-Slot Memory Blocks)
- System Speed Dialing with 1-8 digits abbreviated code:
  10000 memories (ten 1000-Slot Memory Blocks)
- Malicious Call List
  2000 memories (two 1000-Slot Memory Blocks)
- Multiline Terminal's one-touch memory:
  20000 memories (twenty 1000-Slot Memory Blocks)

(3) When entering data with characters, the following characters can be registered;
Alphabet upper case (A-Z), alphabet lower case (a-z), numeric (0-9), symbol (! " # $ % & ' ( ) * + , ; < = > ? @ [ ] ^ _ ` { } ~), Space, hyphen (-), period (.), slash (/), colon (:)

NOTE: *The character "CCC" cannot be registered.*

COMMAND CODE	TITLE:
74	CALLED PARTY NUMBER FOR STATION SPEED DIALING/SYSTEM SPEED DIALING, CALLING PARTY NUMBER OF MALICIOUS CALL, ILLUMINATION COLOR OF MULTILINE TERMINAL BASED ON CALLING PARTY NUMBER/CLI, DISPLAY NAME REGISTRATION FOR MALICIOUS CALL, DEPARTMENT NO. FOR USER WEB PORTAL

ASSIGNMENT PROCEDURE:

[ST] +74Y+ [DE] + 1ST DATA (1-8 digits) + [DE] + 2ND DATA (1-32 digits) + [EXE]

DATA TABLE:

◀: Default

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
0	XX YY Z	XX: 1000-Slot Memory Block number (00-99) YY: 10-Slot Memory Block number (00-99) Z : Memory Parcel number (0-9)	XX...X [,] YY...Y	XX...X: Access Code (Maximum 4 digits) [,] : Separator Mark YY...Y : Called Party Number (Maximum 26 digits)
			XX...X [,] YY...Y	XX...X: Access Code (Maximum 4 digits) [,] : Separator Mark YY...Y : Calling Party Number (Maximum 16 digits)
			X-XXXXXXXX	Station Number (Maximum 8 digits)
			XXX…X	Calling Party Number of Malicious Call (Maximum 16 digits) **[9300V3]** **NOTE:** *Specify the 1000-Slot Memory Block number of Malicious Call list assigned by CM73 Y=0 to the first data.*
			CCC	Clear
			NONE◀	No data

Continued on next page

COMMAND CODE	TITLE:
74	CALLED PARTY NUMBER FOR STATION SPEED DIALING/SYSTEM SPEED DIALING, CALLING PARTY NUMBER OF MALICIOUS CALL, ILLUMINATION COLOR OF MULTILINE TERMINAL BASED ON CALLING PARTY NUMBER/CLI, DISPLAY NAME REGISTRATION FOR MALICIOUS CALL, DEPARTMENT NO. FOR USER WEB PORTAL

◀: Default

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
1	XX YY Z	XX: 1000-Slot Memory Block number (00-99) YY: 10-Slot Memory Block number (00-99) Z : Memory Parcel number (0-9)	XXX...X	Called Party Name Character Code (Maximum 32 digits: 16 characters) See Character Code Table in CM77.
			XXX...X	Calling Party Name Character Code (Maximum 32 digits: 16 characters) See Character Code Table in CM77.
			NONE◀	No data
2	XX YY Z	XX: 1000-Slot Memory Block number (00-99) YY: 10-Slot Memory Block number (00-99) Z : Memory Parcel number (0-9)	XXX...X	Called Party Name Character by PCPro/CAT (Maximum 16 characters)
			XXX...X	Calling Party Name Character by PCPro/CAT (Maximum 16 characters)
			NONE◀	No data
4	XX YY Z	XX: 1000-Slot Memory Block number (00-99) YY: 10-Slot Memory Block number (00-99) Z : Memory Parcel number (0-9)	XXX...X	Called Party Name Character Code (Maximum 32 digits: 16 characters) (for Russian) See Character Code Table for Russian in CM77.
			NONE◀	No data

Continued on next page

COMMAND CODE	TITLE:
74	CALLED PARTY NUMBER FOR STATION SPEED DIALING/SYSTEM SPEED DIALING, CALLING PARTY NUMBER OF MALICIOUS CALL, ILLUMINATION COLOR OF MULTILINE TERMINAL BASED ON CALLING PARTY NUMBER/CLI, DISPLAY NAME REGISTRATION FOR MALICIOUS CALL, DEPARTMENT NO. FOR USER WEB PORTAL

◀: Default

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
5	X-XXXXXXXX	X: Abbreviated Code (0-9)	XX YY Z	XX: 1000-Slot Memory Block Number (00-19) ☞ See PRECAUTION (2) YY: 10-Slot Memory Block Number (00-99) X : Memory Parcel Number (0-9)
			CCC	Clear
			NONE◀	No data

NOTE 1: *Set the first data with the same number of digits that is assigned in CM42>77.*

NOTE 2: *An abbreviated code for System Speed Dialing (8 digits) can be arbitrarily assigned within the range from 0 to 99999999 by using this command.*
The maximum number of assignable abbreviated codes varies depending on the digit length. The following table shows the maximum number of patterns allowed based on the length of abbreviated code digits assigned.

The number of abbreviated code digits	The number of expansion patterns (The maximum number of assignable abbreviated codes)	
	Upper limit	Lower limit
1-4 digits	1000	
5 digits	9990	500
6 digits	9980	333
7 digits	9970	250
8 digits	9960	200

Continued on next page

COMMAND CODE	TITLE:
74	CALLED PARTY NUMBER FOR STATION SPEED DIALING/SYSTEM SPEED DIALING, CALLING PARTY NUMBER OF MALICIOUS CALL, ILLUMINATION COLOR OF MULTILINE TERMINAL BASED ON CALLING PARTY NUMBER/CLI, DISPLAY NAME REGISTRATION FOR MALICIOUS CALL, DEPARTMENT NO. FOR USER WEB PORTAL

◀: Default

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
6	XX YY Z	XX: 1000-Slot Memory Block number (00-99) YY: 10-Slot Memory Block number (00-99) Z : Memory Parcel number (0-9)	XXX...X	Called Party Name Character by PCPro (Maximum 8 characters) (for Simplified Chinese)
			NONE◀	No data
	NOTE: *This data can be assigned by PCPro, not by CAT.*			
7	XX YY Z	XX: 1000-Slot Memory Block number (00-99) YY: 10-Slot Memory Block number (00-99) Z : Memory Parcel number (0-9)	XXX...X	Called Party Name Character by PCPro (Maximum 8 characters) (for Traditional Chinese)
			NONE◀	No data
	NOTE: *This data can be assigned by PCPro, not by CAT.*			

Continued on next page

COMMAND CODE	TITLE:
74	CALLED PARTY NUMBER FOR STATION SPEED DIALING/SYSTEM SPEED DIALING, CALLING PARTY NUMBER OF MALICIOUS CALL, ILLUMINATION COLOR OF MULTILINE TERMINAL BASED ON CALLING PARTY NUMBER/CLI, DISPLAY NAME REGISTRATION FOR MALICIOUS CALL, DEPARTMENT NO. FOR USER WEB PORTAL

◀: Default

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
8	XX YY Z	XX: 1000-Slot Memory Block number (00-99) YY: 10-Slot Memory Block number (00-99) Z : Memory Parcel number (0-9)	0 ~ 7 NONE◀	Pattern No. 0-7 for Illumination Color of Multiline Terminal based on Calling party number NOTE 1 As per CM12 Y=83/CM76 Y=72

NOTE 1: *The illumination color for each pattern can be set as shown in the table below depending on the terminal type (7-color LED/3-color LED).*

Pattern No.	7-color LED terminal	3-color LED terminal		
	DT530/DT730/ DT730CG/DT730DG/ DT730 DESI-less/ DT830/DT830CG/ DT830DG/ DT830 DESI-less/ DT830DG DESI-less/ DT900 Series	DT310/DT330/ DT410/DT430/ DT430 DESI-less/ DT510/DT710/ DT820	DT710 DESI-less	DT820 DESI-less
Pattern 0	Red	Red	Red	Red
Pattern 1	Green	Green	Green	Green
Pattern 2	Blue	Yellow	-	Yellow
Pattern 3	Yellow	Yellow	Yellow	Yellow
Pattern 4	Purple	Yellow	-	Yellow
Pattern 5	Light blue	Yellow	-	Yellow
Pattern 6	White	Yellow	-	Yellow
Pattern 7	7-color rotation	Yellow	3-color rotation	3-color rotation

NOTE 2: *For DT820 including a DESI-less terminal, use the 9300V3 STEP2 software or later. When the DT820 is connected to SV9300 using the 9300V3 software or before, the DT820 operates as DT710.*

NOTE 3: *For DT700/DT800/DT900 Series terminals, follow the setting of the terminal if its color-coding method for a distinction between an internal call and an external call is set to a method other than "Automatic".*

Continued on next page

COMMAND CODE	TITLE:
74	CALLED PARTY NUMBER FOR STATION SPEED DIALING/SYSTEM SPEED DIALING, CALLING PARTY NUMBER OF MALICIOUS CALL, ILLUMINATION COLOR OF MULTILINE TERMINAL BASED ON CALLING PARTY NUMBER/CLI, DISPLAY NAME REGISTRATION FOR MALICIOUS CALL, DEPARTMENT NO. FOR USER WEB PORTAL

◀: Default

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
9	0	Display Name for Malicious Call by character code (Related Command: CM74 Y=2) **[9300V3]**	XXX...X NONE◀	Display Name registration for Malicious Call by PCPro/CAT (Maximum 32 digits: 16 characters) ☞ See Character Code Table in CM77. No data
	1	Display Name for Malicious Call by character (Related Command: CM74 Y=2) **[9300V3]**	XXX...X NONE◀	Display Name registration for Malicious Call by PCPro (Maximum 16 characters) No data
A **[9300 V4]**	XX YY Z	XX: 1000-Slot Memory Block number (00-99) YY: 10-Slot Memory Block number (00-99) Z : Memory Parcel number (0-9) (Related Command: CM77 Y=F)	00 ~ 99 NONE◀	Department No. for User Web Portal No data
	NOTE: *When a department is changed by the Directory of User Web Portal, the setting is applied to this data.*			

COMMAND CODE	TITLE:
76	DIGIT CONVERSION ON DID CALL

FUNCTION:

This command is used to assign the data required for interpreting the dialed-in digits.

PRECAUTION:

(1) Digit Conversion on DID call is available when CM35 Y=018 is set to 0.

(2) The first digit in the first data field must be assigned, in CM20 Y=0-3, as a station number 801-808.

(3) When entering data with characters, the following characters can be registered;
Alphabet upper case (A-Z), alphabet lower case (a-z), numeric (0-9), symbol (! “ # $ % & ’ ( ) * + , ; < = > ? @ [ ] ^ _ ‘ { } ~), Space, hyphen (-), period (.), slash (/), colon (:)

NOTE: *The character “CCC” cannot be registered.*

ASSIGNMENT PROCEDURE:

[ST] + 76YY + [DE] + 1ST DATA (1-8 digits) + [DE] + 2ND DATA (1-32 digits) + [EXE]

DATA TABLE:

◀: Default

Y		1ST DATA	2ND DATA		REMARKS
No.	MEANING		DATA	MEANING	
00	Number Conversion Block No. for Development Table 0	X-XXXX: DID number	000 ~ 999 NONE◀	Number Conversion Block No. 000 ~ Number Conversion Block No. 999 No data	CM35 Y=012, 018, 078, 170

Continued on next page

COMMAND CODE	TITLE:
76	DIGIT CONVERSION ON DID CALL

◀: Default

Y		1ST DATA	2ND DATA		REMARKS
No.	MEANING		DATA	MEANING	
01 02 03 04	For Day Mode For Night Mode For Mode A For Mode B	000-999: Number Conversion Block No. assigned by CM76 Y=00/90, CM2A Y=50-52	X ~ XXXXXXXX	Station number to be terminated NOTE	CM10 Y=00, 01 CM11
			DXX	Change terminating system to:	CM35 Y=018, 78 CM30 Y=02, 03, 40, 41
			D02	Trunk Line (Direct) Appearance	CM30 Y=18
			D03	Trunk Line (Direct) Appearance + TAS	
			D04	Direct-In Termination	CM30 Y=04, 05, 42, 43 CM49 CM64
			D06	Direct-In Termination + Trunk Line (Direct) Appearance	
			D09	Automated Attendant	
			D10	Attendant Console + TAS	
			D11	Attendant Console + Trunk Line (Direct) Appearance	
			D12	Attendant Console + Trunk Line Appearance + TAS	
			D13	TAS	
			D14	Attendant Console	
			D16	Remote Access to System (DISA)	
			NONE◀	No data	

NOTE: *When digit conversion of the leading 2-4 digits of a DID incoming LDN is available (CM35 Y=078, Data=0), the leading 2-4 digits of the LDN should be assigned as the first data. (When the DID incoming LDN is one digit, the digit conversion for only one digit is not available.)*

Continued on next page

COMMAND CODE	TITLE:
76	DIGIT CONVERSION ON DID CALL

◀: Default

Y		1ST DATA	2ND DATA		REMARKS
No.	MEANING		DATA	MEANING	
05	Terminating Trunk Tenant during Day Mode (for TAS)	000-999: Number Conversion Block No. assigned by CM76 Y=00/90, CM2A Y=50-52	00 ~ 63 NONE◀	Trunk Tenant 00 ~ Trunk Tenant 63 No data	CM35 Y=018
06	Terminating Trunk Tenant during Night Mode (for TAS)		00 ~ 63 NONE◀	Trunk Tenant 00 ~ Trunk Tenant 63 No data	
07	Terminating Trunk Tenant during Mode A (for TAS)		00 ~ 63 NONE◀	Trunk Tenant 00 ~ Trunk Tenant 63 No data	
08	Terminating Trunk Tenant during Mode B (for TAS)		00 ~ 63 NONE◀	Trunk Tenant 00 ~ Trunk Tenant 63 No data	
09	Station Tenant for each DID Number (See Data Settings explanation ☞ Page 3-562)		00 ~ 63 NONE◀	Station Tenant 00 ~ Station Tenant 63 No data	
10	Call Waiting for DID call per DID incoming LDN		0 1◀	Restricted Allow	CM35 Y=018
11	Priority Queuing per DID incoming LDN		0 1◀	Not provided To provide	CM35 Y=018
13	Automatic Live Recording for DID		0 1◀	Start automatically Not available	CM08>141 CM13 Y=23 CM35 Y=22

Continued on next page

COMMAND CODE	TITLE:
76	DIGIT CONVERSION ON DID CALL

◀: Default

Y		1ST DATA	2ND DATA		REMARKS
No.	MEANING		DATA	MEANING	
14	Calling party number is used as the ID Code for Remote Access to System (DISA)	000-999: Number Conversion Block No. assigned by CM76 Y=00/90, CM2A Y=50-52	0 1◀	Available Not available	CM15 Y=134 CM2A Y=15, 16, A0
15	Kind of service setting by Remote Access to System (DISA)		00 15◀	Automatic Call Forward setting Service setting without dialing the ID code	CM15 Y=134 CM2A Y=15, 16, A0
			NOTE: *Calling party number is used as the ID code for Remote Access to System (DISA).* ☞ *See CM2A Y=15, CM35 Y=155, CM76 Y=14*		
16	Incoming Call Restriction by Queue Limit for TAS		0 2 3◀	Restricted Not restricted (countable for Queue Limit) Not restricted (uncountable for Queue Limit)	CM51 Y=26-30 CM64 Y=3-6
18	Terminating Station Tenant for each DID number during Day Mode		00 ~ 63 NONE◀	Station Tenant 00 ~ Station Tenant 63 Trunk Tenant	
19	Terminating Station Tenant for each DID number during Night Mode		00 ~ 63 NONE◀	Station Tenant 00 ~ Station Tenant 63 Trunk Tenant	
20	Terminating Station Tenant for each DID number during Mode A		00 ~ 63 NONE◀	Station Tenant 00 ~ Station Tenant 63 Trunk Tenant	

Continued on next page

COMMAND CODE	TITLE:
76	DIGIT CONVERSION ON DID CALL

◀: Default

Y		1ST DATA	2ND DATA		REMARKS
No.	MEANING		DATA	MEANING	
21	Terminating Station Tenant for each DID number during Mode B	000-999: Number Conversion Block No. assigned by CM76 Y=00/90, CM2A Y=50-52	00 ~ 63 NONE◀	Station Tenant 00 ~ Station Tenant 63 Trunk Tenant	
22	Interval of Multiline Terminal ringing tone on DID incoming calls		0 1 2 3◀	Ringing **NOTE 2** Special Ringing Internal Ringing As per CM35 Y=033 **[Other than North America]**	See CM08>397 CM08>180, 397 CM35 Y=033
			0 1 2 3◀	0.5 seconds ON-0.5 seconds OFF 0.5 seconds ON-0.5 seconds OFF -0.5 seconds ON-1.5 seconds OFF 1 second ON-2 seconds OFF As per CM35 Y=033 **[North America Only]**	CM08>180 CM35 Y=033
	Interval of Single Line Telephone ringing tone on DID incoming calls		0 1 2 3◀	As per CM04 Y=00>05 As per CM04 Y=00>07 As per CM04 Y=00>05 As per CM35 Y=033	CM08>180 CM04 Y=00>05, 07 CM35 Y=033

NOTE 1: *For Multiline Terminal, Special Ringing; 0.5 seconds ON-0.5 seconds OFF* ***[For Australia/Asia/Africa/Europe/Latin America/Middle East/Russia]*** *or 0.25 seconds ON-0.25 seconds OFF-0.25 seconds ON-0.25 seconds OFF* ***[For EMEA]*** *is applied.*

NOTE 2: *For a DT300/DT700 Series terminal connecting a wireless headset system, make the following settings to detect a call termination.*
- *Set the ringing interval of the DT300/DT700 terminal to a setting other than 0.5 seconds ON-0.5 seconds OFF.*
- *Set the ringer volume (displayed as a scale for the speaker volume) to a value within 3 steps from the maximum value.*

Continued on next page

COMMAND CODE	TITLE:
76	DIGIT CONVERSION ON DID CALL

◀: Default

Y		1ST DATA	2ND DATA		REMARKS
No.	MEANING		DATA	MEANING	
23	Multiline Terminal Ringer Tone Pattern on DID incoming calls	000-999: Number Conversion Block No. assigned by CM76 Y=00/90, CM2A Y=50-52	0 1 2 3 4 5 6 7◀	Ringer Tone Pattern 0 Ringer Tone Pattern 1 Ringer Tone Pattern 2 Ringer Tone Pattern 3 Ringer Tone Pattern 4 Ringer Tone Pattern 5 Ringer Tone Pattern 6 As per CM35 Y=034/164	CM35 Y=034, 164 CM64 Y=20-27 CM65 Y=40
			NOTE: *For the Ringer Tone Pattern, see CM64 Y=20-27 or CM65 Y=40.*		
24	DID Name assignment with character	000-199: Number Conversion Block No. assigned by CM76 Y=00/90, CM2A Y=50-52 **NOTE**	X ~ X.....X NONE◀	Character (Maximum 16 digits) X: 0-9, A-Z No data	CM15 Y=123, 136
25	DID Name assignment with character code		XXX...X NONE◀	Character Code (Maximum 32 digits, 16 characters) ☞ See Character Code Table in CM77. No data	CM15 Y=123, 136
26	CID Call Routing for DID on ISDN, ANI, MFC	000-999: Number Conversion Block No. assigned by CM76 Y=00/90	0 1 2 3◀	To provide (Using Development Pattern 0) To provide (Using Development Pattern 1) To provide (Using Development Pattern 2) Not provided	CM2A Y=50-52
32	Hotel/Motel DID number allocation to guest station		0 1◀	Available Not available	CM08>824 CM76 Y=01-04

NOTE: *Number Conversion Block No. 200-999 cannot be used for this assignment.*

Continued on next page

COMMAND CODE	TITLE:
76	DIGIT CONVERSION ON DID CALL

◀: Default

Y		1ST DATA	2ND DATA		REMARKS
No.	MEANING		DATA	MEANING	
33	Whether the call terminating method is specified for DID incoming call with no CLI in Day Mode	000-999: Number Conversion Block No. assigned by CM76 Y=00/90	0 1 3◀	Specified for each reason of the incoming call with no CLI Specified for all incoming calls with no CLI Not specified	CM76 Y=34, 65, 66
	NOTE: *When the second data is set to 0, set the call termination method by CM76 Y=34, 65 and 66. When the second data is set to 1, set the call termination method by CM76 Y=34.*				
34	Specification of the call terminating method for DID incoming call with no CLI in Day Mode	000-999: Number Conversion Block No. assigned by CM76 Y=00/90	0 1 2 3◀	To transfer to the VRS/another station/Attendant Console (assigned by CM51 Y=33) To reject the call termination To terminate Multiline Terminal with lamp indication/ringer tone/ringer pattern (assigned by CM76 Y=37, 38, 39) To terminate as usual	CM51 Y=33 CM76 Y=33, 37-39
	NOTE: *When the second data of CM76 Y=33 is set to 0, specify the call terminating method in Day Mode by this command when reason of the incoming call with no CLI is "Privacy".*				
35	Whether the call terminating method is specified for DID incoming call with no CLI in Night Mode/Mode A/ Mode B	000-999: Number Conversion Block No. assigned by CM76 Y=00/90	0 1 3◀	Specified for each reason of the incoming call with no CLI Specified for all incoming calls with no CLI Not specified	CM35 Y=036 CM76 Y=36, 67, 68
	NOTE: *When the second data is set to 0, set the call termination method by CM76 Y=36, 67 and 68. When the second data is set to 1, set the call termination method by CM76 Y=36.*				

Continued on next page

COMMAND CODE	TITLE:
76	DIGIT CONVERSION ON DID CALL

◀: Default

Y		1ST DATA	2ND DATA		REMARKS
No.	MEANING		DATA	MEANING	
36	Specification of the call terminating method for DID incoming call with no CLI in Night Mode/ Mode A/Mode B	000-999: Number Conversion Block No. assigned by CM76 Y=00/90	0 1 2 3◀	To transfer to the VRS/another station/Attendant Console (assigned by CM51 Y=33) To reject the call termination To terminate the Multiline Terminal with unusual lamp indication/unusual ringer tone/unusual ringer tone pattern (assigned by CM76 Y=37, 38, 39) To terminate as usual	CM51 Y=33 CM76 Y=35, 37, 38, 39
	NOTE: *When the second data of CM76 Y=35 is set to 0, specify the call terminating method in Night Mode/Mode A/Mode B by this command when reason of the incoming call with no CLI is "Privacy".*				
37	Distinctive lamp indication on Multiline Terminal for DID incoming call with no CLI	000-999: Number Conversion Block No. assigned by CM76 Y=00/90	0 1◀	Green (120 IPM) Red (120 IPM)	CM35 Y=032 CM76 Y=34, 36
	NOTE: *This command is effective under the following conditions.* • *CM35 Y=032 is set to 1.* • *CM76 Y=34, 36 is set to 0 or 2, and Multiline Terminal receives the incoming call.*				

Continued on next page

COMMAND CODE	TITLE:
76	DIGIT CONVERSION ON DID CALL

◀: Default

Y		1ST DATA	2ND DATA		REMARKS
No.	MEANING		DATA	MEANING	
38	Interval of SLT/ Multiline Terminal ringing tone for DID incoming call with no CLI	000-999: Number Conversion Block No. assigned by CM76 Y=00/90	0	Ringing **NOTE3** See CM08>397	CM08>397 CM76 Y=22, 34, 36
			1	Special Ringing See CM08>397	
			2	Internal Ringing See CM08>397	
			3◀	As per CM76 Y=22 **[Other than North America]**	
			0	0.5 seconds ON-0.5 seconds OFF (Multiline Terminal) 1 second ON-2 seconds OFF (SLT)	
			1	0.5 seconds ON-0.5 seconds OFF -0.5 seconds ON-1.5 seconds OFF (Multiline Terminal) 0.4 seconds ON-0.2 seconds OFF -0.4 seconds ON-2 seconds OFF (SLT)	
			2	1 second ON-2 second OFF (Multiline Terminal or SLT)	
			3◀	As per CM76 Y=22 **[North America Only]**	

NOTE 1: *Assign this command when the terminal destination is SLT or Multiline Terminal.*
NOTE 2: *This command is effective when CM76 Y=34, 36 is set to 0 or 2.*
NOTE 3: *For SLT, Internal Ringing is applied. For Multiline Terminal, Special Ringing; 0.5 seconds ON-0.5 seconds OFF* ***[For Australia/Asia/Africa/Europe/Latin America/Middle East/Russia]*** *or 0.25 seconds ON-0.25 seconds OFF-0.25 seconds ON-0.25 seconds OFF* ***[For EMEA]*** *is applied.*

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COMMAND CODE	TITLE:
76	DIGIT CONVERSION ON DID CALL

◀: Default

Y		1ST DATA	2ND DATA		REMARKS
No.	MEANING		DATA	MEANING	
39	Multiline Terminal Ringer Tone Pattern for DID incoming call with no CLI	000-999: Number Conversion Block No. assigned by CM76 Y=00/90	0 1 2 3 4 5 6 7◀	Ringer Tone Pattern 0 Ringer Tone Pattern 1 Ringer Tone Pattern 2 Ringer Tone Pattern 3 Ringer Tone Pattern 4 Ringer Tone Pattern 5 Ringer Tone Pattern 6 As per CM76 Y=23	CM64 Y=20-27 CM65 Y=40 CM76 Y=23, 34, 36
	NOTE 1: *This command is effective when CM76 Y=34, 36 is set to 0 or 2, and Multiline Terminal receives the incoming call.* **NOTE 2:** *For details of the Ringer Tone Pattern, see CM64 Y=20-27 or CM65 Y=40.*				
40	Kind of call termination indicator key/ lamp on Attendant console for DID incoming call with no CLI	000-999: Number Conversion Block No. assigned by CM76 Y=00/90	0 1 ~ 6 7◀	C.O. Incoming Call 0 C.O. Incoming Call 1 ~ C.O. Incoming Call 6 As per CM35 Y=015	CM35 Y=015 CM76 Y=34, 36
	NOTE: *The command is effective when CM76 Y=34, 36 is set to 0, and the destination of call forwarding is Attendant console.*				
41	Mobility Access function to each DID number	000-999: Number Conversion Block No. assigned by CM76 Y=00/90	0 1 2 3 4 5 7◀	To use Mobility Access Termination To set Mobility Access mode (Trunk Access Code 1) To cancel Mobility Access mode To set Mobility Access mode (Trunk Access Code 2) To set Mobility Access mode (Trunk Access Code 3) To set Mobility Access mode (Trunk Access Code 4) Mobility Access function is not used	CM15 Y=216 CM64 Y=10, 14-16

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COMMAND CODE	TITLE:
76	DIGIT CONVERSION ON DID CALL

◀: Default

Y		1ST DATA	2ND DATA		REMARKS
No.	MEANING		DATA	MEANING	
42	Restriction of call termination for DID call with calling party number	000-999: Number Conversion Block No. assigned by CM76 Y=00/90, CM2A Y=50-52	0 1◀	To provide As per CM35 Y=303	CM35 Y=303 CM73 Y=0: 2
43	Specification of the call terminating method for DID call with calling party number in Day Mode		0 1 7◀	To transfer to the VRS/another station/Attendant Console (assigned by CM51 Y=34) To reject the call termination To terminate as usual	CM76 Y=42
44	Specification of the call termination method for DID call with calling party number in Night Mode/Mode A/ Mode B				
45	VRS Waiting Message (for Day Mode)		0 1 3◀	To provide VRS Waiting Message function (Announcement Service Start after Call Termination) To provide VRS Waiting Message (Greeting Mode) As per CM35 Y=320	CM35 Y=320
46	VRS Waiting Message (for Night Mode)		0 1 3◀	To provide VRS Waiting Message function (Announcement Service Start after Call Termination) To provide VRS Waiting Message (Greeting Mode) As per CM35 Y=321	CM35 Y=321

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COMMAND CODE	TITLE:
76	DIGIT CONVERSION ON DID CALL

◀: Default

Y		1ST DATA	2ND DATA		REMARKS
No.	MEANING		DATA	MEANING	
47	VRS Waiting Message (for Mode A)	000-999: Number Conversion Block No. assigned by CM76 Y=00/90, CM2A Y=50-52	0 1 3◀	To provide VRS Waiting Message function (Announcement Service Start after Call Termination) To provide VRS Waiting Message (Greeting Mode) As per CM35 Y=322	CM35 Y=322
48	VRS Waiting Message (for Mode B)		0 1 3◀	To provide VRS Waiting Message function (Announcement Service Start after Call Termination) To provide VRS Waiting Message (Greeting Mode) As per CM35 Y=323	CM35 Y=323
49	1st VRS Waiting Message (for Day Mode)		00 ~ 63 NONE◀	VRS Waiting Message No. 00-63 As per CM35 Y=324	CM35 Y=324
50	1st VRS Waiting Message (for Night Mode)		00 ~ 63 NONE◀	VRS Waiting Message No. 00-63 As per CM35 Y=325	CM35 Y=325
51	1st VRS Waiting Message		00 ~ 63 NONE◀	VRS Waiting Message No. 00-63 As per CM35 Y=326	CM35 Y=326
52	1st VRS Waiting Message (for Mode B)		00 ~ 63 NONE◀	VRS Waiting Message No. 00-63 As per CM35 Y=327	CM35 Y=327
53	2nd VRS Waiting Message (for Day Mode)		00 ~ 63 NONE◀	VRS Waiting Message No. 00-63 As per CM35 Y=328	CM35 Y=328

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COMMAND CODE	TITLE:
76	DIGIT CONVERSION ON DID CALL

◀: Default

Y		1ST DATA	2ND DATA		REMARKS
No.	MEANING		DATA	MEANING	
54	2nd VRS Waiting Message (for Night Mode)	000-999: Number Conversion Block No. assigned by CM76 Y=00/90, CM2A Y=50-52	00 ~ 63 NONE◀	VRS Waiting Message No. 00-63 As per CM35 Y=329	CM35 Y=329
55	2nd VRS Waiting Message (for Mode A)		00 ~ 63 NONE◀	VRS Waiting Message No. 00-63 As per CM35 Y=330	CM35 Y=330
56	2nd VRS Waiting Message (for Mode B)		00 ~ 63 NONE◀	VRS Waiting Message No. 00-63 As per CM35 Y=331	CM35 Y=331
57	VRS Waiting Message Send Pattern (for Day Mode)		0 1◀	To send only one time As per CM35 Y=332	CM35 Y=332
58	VRS Waiting Message Send Pattern (for Night Mode)		0 1◀	To send only one time As per CM35 Y=333	CM35 Y=333
59	VRS Waiting Message Send Pattern (for Mode A)		0 1◀	To send only one time As per CM35 Y=334	CM35 Y=334
60	VRS Waiting Message Send Pattern (for Mode B)		0 1◀	To send only one time As per CM35 Y=335	CM35 Y=335
61	Multiple connections of VRS Waiting Message (for Day Mode)		0 1◀	Play the message any time As per CM35 Y=336	CM35 Y=336

Continued on next page

COMMAND CODE	TITLE:
76	DIGIT CONVERSION ON DID CALL

◀: Default

Y		1ST DATA	2ND DATA		REMARKS
No.	MEANING		DATA	MEANING	
62	Multiple connections of VRS Waiting Message (for Night Mode)	000-999: Number Conversion Block No. assigned by CM76 Y=00/90, CM2A Y=50-52	0 1◀	Play the message any time As per CM35 Y=337	CM35 Y=337
63	Multiple connections of VRS Waiting Message (for Mode A)		0 1◀	Play the message any time As per CM35 Y=338	CM35 Y=338
64	Multiple connections of VRS Waiting Message (for Mode B)		0 1 2 3◀	Play the message any time As per CM35 Y=339	CM35 Y=339
65	Specification of the call terminating method when reason of the DID incoming call with no CLI is [Out of Area] in Day Mode	000-999: Number Conversion Block No. assigned by CM76 Y=00/90	0 1 2 3◀	To transfer to the VRS/another station/Attendant Console (assigned by CM51 Y=36) To reject the call termination To terminate Multiline Terminal with lamp indication/ringer tone/ringer pattern (assigned by CM76 Y=37, 38, 39) To terminate as usual	CM76 Y=33, 37-39 CM51 Y=36
	NOTE: *This command is effective when the second data of CM76 Y=33 is set to 0.*				
66	Specification of the call terminating method when reason of the DID incoming call with no CLI is [Coin Box] in Day Mode	000-999: Number Conversion Block No. assigned by CM76 Y=00/90	0 1 2 3◀	To transfer to the VRS/another station/Attendant Console (assigned by CM51 Y=37) To reject the call termination To terminate Multiline Terminal with lamp indication/ringer tone/ringer pattern (assigned by CM76 Y=37, 38, 39) To terminate as usual	CM76 Y=33, 37-39 CM51 Y=37
	NOTE: *This command is effective when the second data of CM76 Y=33 is set to 0.*				

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COMMAND CODE	TITLE:
76	DIGIT CONVERSION ON DID CALL

◀: Default

Y		1ST DATA	2ND DATA		REMARKS
No.	MEANING		DATA	MEANING	
67	Specification of the call terminating method when reason of the DID incoming call with no CLI is [Out of Area] in Night Mode/ Mode A/Mode B	000-999: Number Conversion Block No. assigned by CM76 Y=00/90	0 1 2 3◀	To transfer to the VRS/another station/Attendant Console (assigned by CM51 Y=36) To reject the call termination To terminate Multiline Terminal with lamp indication/ringer tone/ringer pattern (assigned by CM76 Y=37, 38, 39) To terminate as usual	CM76 Y=35, 37-39 CM51 Y=36
	NOTE: *This command is effective when the second data of CM76 Y=35 is set to 0.*				
68	Specification of the call terminating method when reason of the DID incoming call with no CLI is [Coin Box] in Night Mode/ Mode A/Mode B	000-999: Number Conversion Block No. assigned by CM76 Y=00/90	0 1 2 3◀	To transfer to the VRS/another station/Attendant Console (assigned by CM51 Y=37) To reject the call termination To terminate Multiline Terminal with lamp indication/ringer tone/ringer pattern (assigned by CM76 Y=37, 38, 39) To terminate as usual	CM76 Y=35, 37-39 CM51 Y=37
	NOTE: *This command is effective when the second data of CM76 Y=35 is set to 0.*				
69	Terminating system for Called Party Subaddress	000-999: Number Conversion Block No. assigned by CM76 Y=00/90	0 1◀	Station call As per CM35 Y=350	CM35 Y=350
70	Interval of SLT/ Multiline Terminal ringing tone for Called Party Subaddress (Effective in case of CM08>1235: 1)		0 1 2 3◀	☞ See CM76 Y=22.	

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COMMAND CODE	TITLE:
76	DIGIT CONVERSION ON DID CALL

◀: Default

Y		1ST DATA	2ND DATA		REMARKS
No.	MEANING		DATA	MEANING	
71	Multiline Terminal Ringer Tone Pattern for Called Party Subaddress (Effective in case of CM08>1236: 1)	000-999: Number Conversion Block No. assigned by CM76 Y=00/90	0 1 2 3 4 5 6 7◀	Ringer Tone Pattern 0 Ringer Tone Pattern 1 Ringer Tone Pattern 2 Ringer Tone Pattern 3 Ringer Tone Pattern 4 Ringer Tone Pattern 5 Ringer Tone Pattern 6 As per CM76 Y=23	CM64 Y=20-27 CM65 Y=40
	NOTE: *For details of the Ringer Tone Pattern, see CM64 Y=20-27 or CM65 Y=40.*				

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COMMAND CODE	TITLE:
76	DIGIT CONVERSION ON DID CALL

◀: Default

Y		1ST DATA	2ND DATA		REMARKS
No.	MEANING		DATA	MEANING	
72	Illumination Color of Multi-line Terminal for External Call (to be specified for each direct in-dial number)	000-999: Number Conversion Block No. assigned by CM76 Y=00/90	0 1 2 3 4 5 6 7 NONE◀	Pattern 0 Pattern 1 Pattern 2 Pattern 3 Pattern 4 Pattern 5 Pattern 6 Pattern 7 As per CM35 Y=358	CM12 Y=83/84 CM35 Y=358

NOTE 1

NOTE 1: *The illumination color for each pattern can be set as shown in the table below depending on the terminal type (7-color LED/3-color LED).*

Pattern No.	7-color LED terminal	3-color LED terminal		
	DT530/DT730/ DT730CG/DT730DG/ DT730 DESI-less/ DT830/DT830CG/ DT830DG/ DT830 DESI-less/ DT830DG DESI-less/ DT900 Series	DT310/DT330/ DT410/DT430/ DT430 DESI-less/ DT510/DT710/ DT820	DT710 DESI-less	DT820 DESI-less
Pattern 0	Red	Red	Red	Red
Pattern 1	Green	Green	Green	Green
Pattern 2	Blue	Yellow	-	Yellow
Pattern 3	Yellow	Yellow	Yellow	Yellow
Pattern 4	Purple	Yellow	-	Yellow
Pattern 5	Light blue	Yellow	-	Yellow
Pattern 6	White	Yellow	-	Yellow
Pattern 7	7-color rotation	Yellow	3-color rotation	3-color rotation

NOTE 2: *For DT820 including a DESI-less terminal, use the 9300V3 STEP2 software or later. When the DT820 is connected to SV9300 using the 9300V3 software or before, the DT820 operates as DT710.*

NOTE 3: *For DT700/DT800/DT900 Series terminals, follow the setting of the terminal if its color-coding method for a distinction between an internal call and an external call is set to a method other than "Automatic".*

Continued on next page

COMMAND CODE	TITLE:
76	DIGIT CONVERSION ON DID CALL

◀: Default

Y		1ST DATA	2ND DATA		REMARKS
No.	MEANING		DATA	MEANING	
73	Illumination Color of Multi-line Terminal for Incoming call with no CLI (to be specified for each direct in-dial number)	000-999: Number Conversion Block No. assigned by CM76 Y=00/90	0 1 2 3 4 5 6 7 NONE◀	Pattern 0 Pattern 1 Pattern 2 Pattern 3 Pattern 4 Pattern 5 Pattern 6 Pattern 7 As per CM35 Y=360	CM35 Y=360

NOTE 1

NOTE 1: *The illumination color for each pattern can be set as shown in the table below depending on the terminal type (7-color LED/3-color LED).*

Pattern No.	7-color LED terminal	3-color LED terminal		
	DT530/DT730/ DT730CG/DT730DG/ DT730 DESI-less/ DT830/DT830CG/ DT830DG/ DT830 DESI-less/ DT830DG DESI-less/ DT900 Series	DT310/DT330/ DT410/DT430/ DT430 DESI-less/ DT510/DT710/ DT820	DT710 DESI-less	DT820 DESI-less
Pattern 0	Red	Red	Red	Red
Pattern 1	Green	Green	Green	Green
Pattern 2	Blue	Yellow	-	Yellow
Pattern 3	Yellow	Yellow	Yellow	Yellow
Pattern 4	Purple	Yellow	-	Yellow
Pattern 5	Light blue	Yellow	-	Yellow
Pattern 6	White	Yellow	-	Yellow
Pattern 7	7-color rotation	Yellow	3-color rotation	3-color rotation

NOTE 2: *For DT820 including a DESI-less terminal, use the 9300V3 STEP2 software or later. When the DT820 is connected to SV9300 using the 9300V3 software or before, the DT820 operates as DT710.*

NOTE 3: *For DT700/DT800/DT900 Series terminals, follow the setting of the terminal if its color-coding method for a distinction between an internal call and an external call is set to a method other than "Automatic".*

Continued on next page

COMMAND CODE	TITLE:
76	DIGIT CONVERSION ON DID CALL

◀: Default

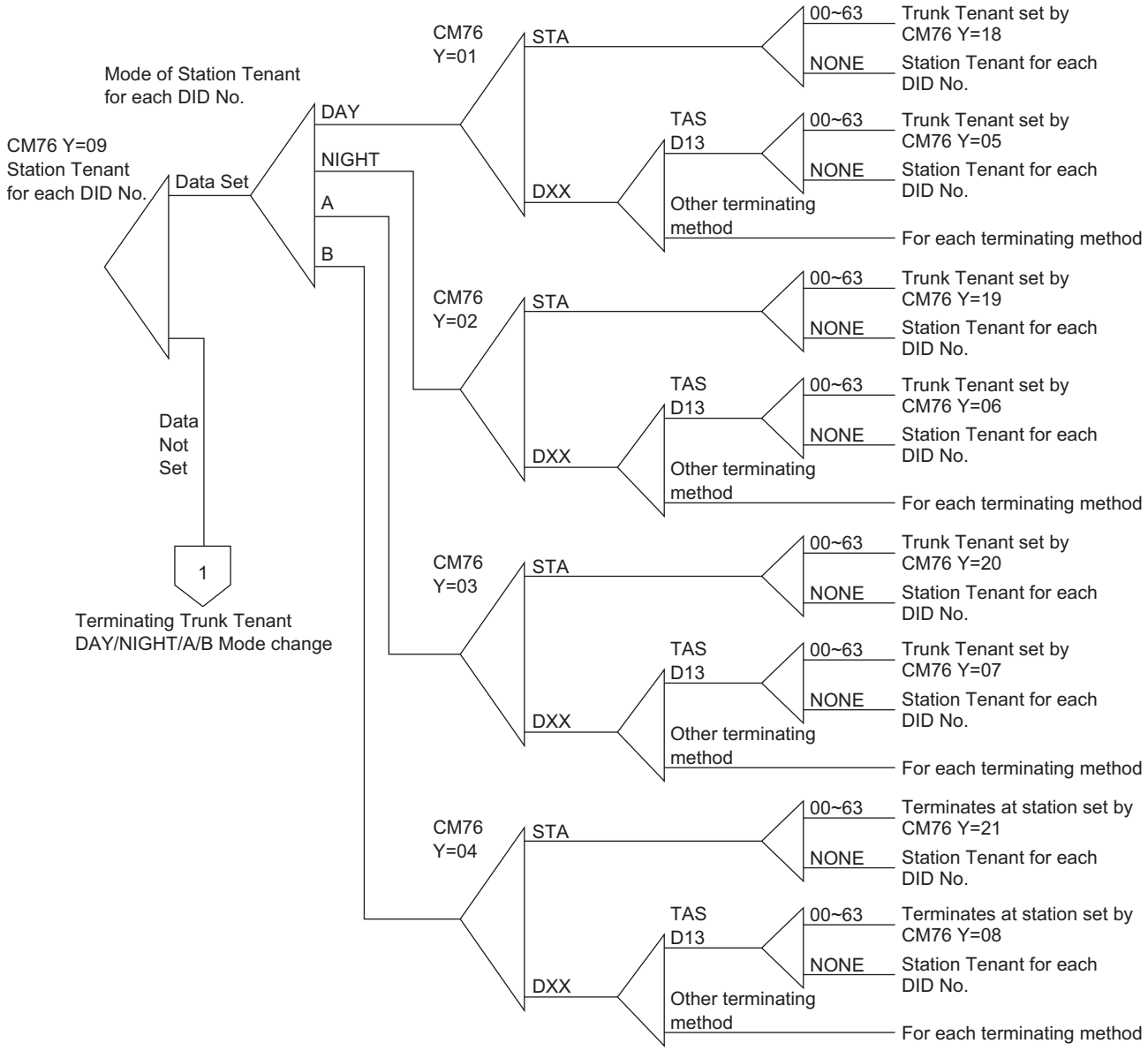
Y		1ST DATA	2ND DATA		REMARKS
No.	MEANING		DATA	MEANING	
74	Call Back to Mobile Phone [9300V3]	000-999: Number Conversion Block No. assigned by CM76 Y=00/90	0 1◀	To provide As per CM35 Y=361	CM35 Y=361
90	Number Conversion Block No. for Development Table 1	X-XXXXXXXX: DID number	000 ~ 999 NONE◀	Number Conversion Block No. 000 ~ Number Conversion Block No. 999 No data	CM35 Y=170-172 CM76 Y=01-04
99	Registered DID number display	0000-0999: Registered DID number is displayed from the lowest to the highest	XXX ZZZZ NONE◀	XXX : Number Conversion Block No. assigned by CM76 Y=00 ZZZZ: DID Number assigned by CM76 Y=00 No data	CM76 Y=00
		1000-1999: Registered DID number is displayed from the lowest to the highest	XXX ZZZZZZZZ NONE◀	XXX : Number Conversion Block No. assigned by CM76 Y=90 ZZZZZZZZ : DID Number assigned by CM76 Y=90 No data	CM76 Y=90

COMMAND CODE	TITLE:
76	DIGIT CONVERSION ON DID CALL

■ Data settings for Day/Night/A/B Mode Distinction of tenant

An explanation of tenant selection method for Day/Night/A/B Mode change, when DID call terminates, is shown below as a tree diagram for system data registration.

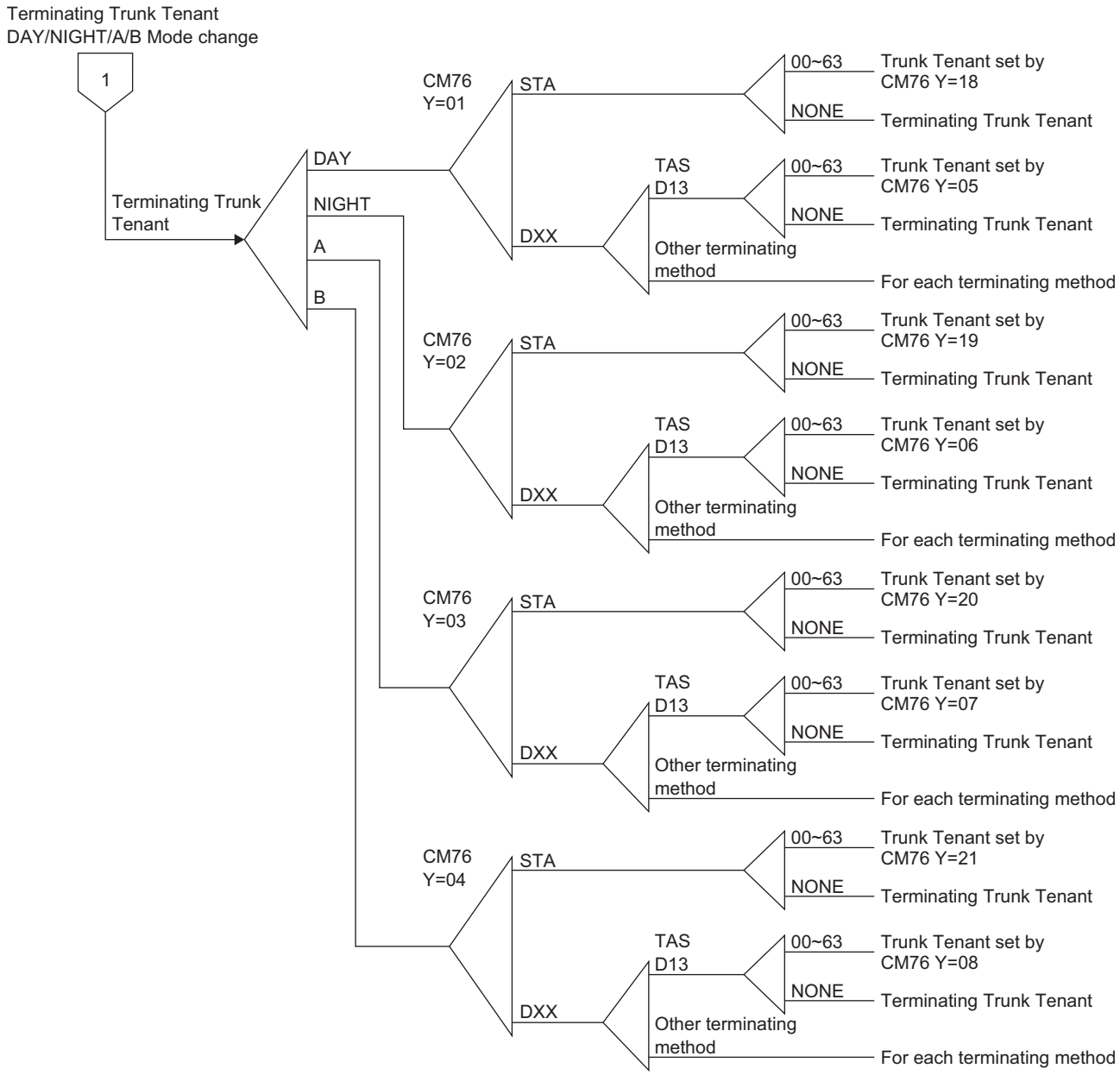
(1) When station tenant for each DID number is assigned.
(CM76 Y=09 is set)



Continued on next page

COMMAND CODE	TITLE:
76	DIGIT CONVERSION ON DID CALL

(2) When station tenant for each DID number is not assigned.
(CM76 Y=09 is not set)



COMMAND CODE	TITLE:
77	STATION/TRUNK ROUTE/DESKCON NAME ASSIGNMENT

FUNCTION:

This command is used to assign the name of each station, trunk route, and DESKCON which is displayed on Multiline Terminal or Attendant Console.

PRECAUTION:

When entering data with characters, the following characters can be registered;
Alphabet upper case (A-Z), alphabet lower case (a-z), numeric (0-9), symbol (! " # $ % & ' ( ) + , ; < = > ? @ [ ] ^ _ ' { } ~), Space, hyphen (-), period (.), slash (/), colon (:)

NOTE: *The character "CCC" cannot be registered.*

ASSIGNMENT PROCEDURE:

ST + 77Y + DE + STATION NUMBER (1-8 digits) / TRUNK ROUTE NAME NUMBER (2 digits) / DESKCON NUMBER (1 digit) + DE + DATA (1-32 digits) + EXE

DATA TABLE:

◀: Default

Y		STATION No./TRUNK ROUTE NAME No./ DESKCON No.	SETTING DATA		REMARKS
No.	MEANING		DATA	MEANING	
0	Station Name assignment with character code (for English)	X-XXXXXXXX: Station number/My Line number assigned by CM10/ Virtual station number assigned by CM11 NOTE 1	XXX...X	Character Code (Maximum 32 digits) See Character Code Table. Page 3-568	CM10/CM11
			NONE◀	No data	
1	Station Name assignment with character (for English) NOTE 2		XXX...X	Character (Maximum 16 characters) NOTE 3	CM10/CM11/ CMEF Y=00
			NONE◀	No data	

Continued on next page

COMMAND CODE	TITLE:
77	STATION/TRUNK ROUTE/DESKCON NAME ASSIGNMENT

◀: Default

Y		STATION No./TRUNK ROUTE NAME No./ DESKCON No.	SETTING DATA		REMARKS
No.	MEANING		DATA	MEANING	
2	Trunk Route Name assignment with character code (for English)	00-14, 16-63: Trunk Route Name number assigned by CM35 Y=003	XXX...X NONE◀	Character Code (Maximum 8 digits) See Character Code Table. ☞ Page 3-568 No data	CM35 Y=003
3	Trunk Route Name assignment with character (for English)		X ~ XXXX NONE◀	Character (Maximum 4 characters) No data	
5	Station Name assignment with character code (for Russian)	X-XXXXXXXX: Station number assigned by CM10	XXX...X NONE◀	Character Code (Maximum 32 digits, i.e.Maximum 16 double-byte characters) (for Russian) See Character Code Table for Russian. ☞ Page 3-569 No data	
A	DESKCON Name assignment with character code (for English)	0-7: DESKCON number assigned by CM10	XXX...X NONE◀	Character Code (Maximum 32 digits) See Character Code Table. ☞ Page 3-568 No data	CM10
B	DESKCON Name assignment with character (for English)	0-7: DESKCON number assigned by CM10	XXX...X NONE◀	Character (Maximum 16 characters) No data	
D	Station Name assignment with character (for Simplified Chinese) **NOTE 6**	X-XXXXXXXX: Station Number assigned by CM10	XXX...X NONE◀	Calling Party Name Character by PCPro (Maximum 16 characters) No data	CM77 Y=4, 5

Continued on next page

COMMAND CODE	TITLE:
77	STATION/TRUNK ROUTE/DESKCON NAME ASSIGNMENT

◀: Default

Y		STATION No./TRUNK ROUTE NAME No./ DESKCON No.	SETTING DATA		REMARKS
No.	MEANING		DATA	MEANING	
E	Station Name assignment with character (for Traditional Chinese) **NOTE 6**	X-XXXXXXXX: Station Number assigned by CM10	XXX...X NONE◀	Calling Party Name Character by PCPro (Maximum 16 characters) No data	CM77 Y=4, 5
F	Department name displayed on User Web Portal with character **[9300V4]**	00-99: Department No.	XXX...X NONE◀	Department name (Maximum 32 characters) No data	CM74 Y=A
	NOTE: *When a Department name is changed by the Department Management of User Web Portal, the setting is applied to this data.*				
12	One-Touch Group Messaging (for English) **[9300V5]**	00-63: Message No.	XXX...X NONE◀	Characters for One-Touch Group Messaging (Maximum 16 characters) **NOTE 3** No data	CM57 Y=37 CM90 Y=00, 14
14	Group name for a representative call notification **[9300V9]**	000-127: Group No.	XXX...X NONE◀	Group name (Maximum 16 characters) No data	CM12 Y=107 CM57 Y=39

NOTE 1: *When notifying a Station Name to the called party, set the Station Name by using either of CM77 Y=0 or CM77 Y=1.*

NOTE 2: *When any Station Name has been assigned by User Web Portal (i.e. when a Station Name other than NONE has been set to the 2nd data of CMEF Y=00), the Station Name assigned by CMEF Y=00 takes priority over the setting of this command.*

NOTE 3: *The available English characters for assigning are as follows.*
- For PCPro: 0-9, A-Z
- For CAT : 0-9, A-F

Continued on next page

COMMAND CODE	TITLE:
77	STATION/TRUNK ROUTE/DESKCON NAME ASSIGNMENT

NOTE 4: *Station name assignment is also available in each Multiline Terminal or Attendant Console by using the access code assigned by CM20 Y=0-3: A110.*

NOTE 5: *Trunk names are assigned on a trunk route basis only.*

NOTE 6: *This data can be assigned by PCPro, not by CAT.*

Continued on next page

COMMAND CODE	TITLE:
77	STATION/TRUNK ROUTE/DESKCON NAME ASSIGNMENT

Character Code Table for English

X: Upper digit Y: Lower digit

Y \ X	2	3	4	5	6	7
0		0	@	P	\	p
1	!	1	A	Q	a	q
2	”	2	B	R	b	r
3	#	3	C	S	c	s
4	$	4	D	T	d	t
5	%	5	E	U	e	u
6	&	6	F	V	f	v
7	’	7	G	W	g	w
8	(	8	H	X	h	x
9	)	9	I	Y	i	y
A	*	:	J	Z	j	z
B	+	;	K	[	k	{
C	,	<	L	¥	l	|
D	-	=	M	]	m	}
E	.	>	N	^	n	~
F	/	?	O	_	o	←

Example: To set “John”, do the following operation.

4A	6F	68	6E
J	o	h	n

COMMAND CODE	TITLE:
77	STATION/TRUNK ROUTE/DESKCON NAME ASSIGNMENT

Character Code Table for Russian

X: Upper digit Y: Lower digit

Y \ X	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F
0				0	@	P		p	C	É			O	Ю	α	Þ
1			!	1	A	Q	a	q	ü	æ		A	П	Я	ä	
2			“	2	B	R	b	r	é	Æ		Б	P	Ğ	β	θ
3			#	3	C	S	c	s	â	ô		B	C	I	ε	ω
4			$	4	D	T	d	t	ä	ö		Г	T	Ş	μ	Ω
5			%	5	E	U	e	u	à	ò		Д	У	ğ	σ	ü
6			&	6	F	V	f	v	å	û		E	Ф	ı	ρ	Σ
7			’	7	G	W	g	w	ç	ù		Ё	X	ş	q	π
8			(	8	H	X	h	x	ê	ÿ		Ж	Ц	€	∫	x̄
9			)	9	I	Y	i	y	ë	Ö		З	Ч		⁻¹	y
A			*	:	J	Z	j	z	è	Ü		И	Ш		j	
B			+	;	K	[	k	{	ï	¢		Й	Щ		×	
C			,	<	L	¥	l	|	î	£		K	Ъ		¢	
D			-	=	M	]	m	}	ì			Л	Ы		₤	
E			.	>	N	^	n	→	Ä	₧		M	Ь		n	
F			/	?	O	_	o	←	Å	ƒ		H	Э		ö	

Example: To set “ИВАН”, do the following operation.

$\frac{BA}{И}\ \frac{B3}{В}\ \frac{B1}{А}\ \frac{BF}{Н}$

COMMAND CODE	TITLE:
78	DESTINATION OF SPLIT CALL FORWARDING

FUNCTION:

This command is used to assign the called number of Split Call Forwarding.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

- To assign destination of Split Call Forwarding

[ST] + 78 + [DE] + 1ST DATA (3 digits) + [DE] + 2ND DATA (1-31 digits) + [EXE]

- To cancel destination of Split Call Forwarding

[ST] + 78 + [DE] + 1ST DATA (3 digits) + [DE] + CCC + [EXE]

DATA TABLE:

1ST DATA		2ND DATA		
DATA	MEANING	DATA	MEANING	DESTINATION
XX Y	XX: Tenant number (00-63) Y : Block number (0-7)	X-XXXX + [,] + YY...YY	X-XXXX: Trunk Access Code (1-4 digits) [,] : Separate Mark YY...YY : Called number (Maximum 26 digits)	Outside Party
		X-XXXXXXXX	Station number (1-8 digits)	Station

COMMAND CODE	TITLE:
81	TOLL RESTRICTION PATTERN ON EACH TRUNK RESTRICTION CLASS

FUNCTION:

Toll call restriction is controlled by combinations of the toll office code dialed and assigned station trunk restriction class. With respect to toll call restriction, there are eight kinds of trunk restriction classes; Unrestricted, Non-Restricted-1, Non-Restricted-2, Semi-Restricted-1, Semi-Restricted-2, Restricted-1, Restricted-2, and Fully Restricted. Since toll call restriction conditions for the same toll office code vary with trunk class, the restriction patterns are made available so that toll call restriction can be executed on all attempted outgoing toll calls.

PRECAUTION:

TRUNK RESTRICTION CLASS		Y															
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	00
		TOLL RESTRICTION PATTERN NUMBER ON EACH TRUNK RESTRICTION CLASS															
		01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	00
1	RCA	3	0	3	3	3	0	0	0	3	3	3	3	3	0	3	0
2	RCB	3	0	3	3	0	0	0	0	3	3	0	0	0	0	3	0
3	RCC	3	0	3	0	0	0	0	0	3	0	0	0	0	0	3	0
4	RCD	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
5	RCE	3	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
6	RCF	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
7	RCG	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0
8	RCH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0

SETTING DATA 0: Restricted
3: Allowed

(1) Using CM00 (Memory Clear), the data above is assigned.

(2) The restricted classes 00, 14 and 15 are fixed; restricted classes 01 to 13 can be changed.

COMMAND CODE	TITLE:
81	TOLL RESTRICTION PATTERN ON EACH TRUNK RESTRICTION CLASS

ASSIGNMENT PROCEDURE:

The following command format is used to change the standard assignment data above to meet local requirements:

ST + 81YY + DE + TRUNK RESTRICTION CLASS (1 digit) + DE + DATA (1 digit) + EXE

DATA TABLE:

Y		TRUNK RESTRICTION		SETTING DATA	
No.	MEANING	No.	MEANING	DATA	MEANING
01 ~ 13	Toll Restriction Pattern number for each class	1 2 3 4 5 6 7 8	Unrestricted (RCA) Non-Restricted-1 (RCB) Non-Restricted-2 (RCC) Semi-Restricted-1 (RCD) Semi-Restricted-2 (RCE) Restricted-1 (RCF) Restricted-2 (RCG) Fully Restricted-1 (RCH)	0 3	Restricted Allowed

Continued on next page

COMMAND CODE	TITLE: TOLL RESTRICTION PATTERN ON EACH TRUNK RESTRICTION CLASS
81	

Examples:

The following examples are typical installations within Melbourne, Australia.

Unrestricted : No restrictions
Non-Restricted-1 : 115, 116, 118, 001 and 010 codes are restricted.
Non-Restricted-2 : 115, 116, 118, 02, 04, 06-09, 001-007, 009-011, 014, 016, 018, 019 and 054 codes are restricted.
Semi-Restricted-1: 115, 116, 118, 02, 04, 06-09, 001-007, 009-011, 014, 016, 018, 019 and 050 to 058 codes are restricted.
Semi-Restricted-2: 115, 116, 118, 02, 04, 06-09, 001-007, 009-011, 014, 016, 018, 019 and 050-059 codes are restricted.

TRUNK RESTRICTION CLASS		Y												
		01	02	03	04	05	06	07	08	09	10	11	12	13
		TOLL RESTRICTION PATTERN NUMBER ON EACH CLASS												
		01	02	03	04	05	06	07	08	09	10	11	12	13
1	Unrestricted	3	0	3	3	3			3			3		
2	Non-Restricted-1	3	0	3	3	0			3			0		
3	Non-Restricted-2	3	0	3	0	0			3			0		
4	Semi-Restricted-1	3	0	0	0	0			3			0		
5	Semi-Restricted-2	3	0	0	0	0			0			0		
6	Restricted-1													
7	Restricted-2													
8	Fully Restricted													

NOTE: *In the above example, Patterns 06, 07, 09, 10, 12 and 13 are used and 08 has been modified.*

COMMAND CODE	TITLE:
81	SCAM CALL PREVENTION

FUNCTION:

When a specific number such as an international number is originated frequently from inside or outside of office, the number can be restricted automatically as illegal use.

ASSIGNMENT PROCEDURE:

1ST DATA

[ST] + 81YY + [DE] + TOLL RESTRICTION PATTERN NUMBER FOR EACH CLASS (2 digits) + OUTGOING TRUNK ROUTE (2 digits) + [DE] +

2ND DATA (1/2 digits) + [EXE]

COMMAND CODE	TITLE:
81	SCAM CALL PREVENTION

DATA TABLE:

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
20	Toll Restriction by Scam Call detection **[9300V7]**	XXYY	XX: Toll Restriction Pattern No. for each class (01-13, 15) YY: Outgoing Trunk Route (00-63)	0 1 NONE◀	Available Only detection Not available	CM81 Y=21, 22
21	Period of Scam Call detection **[9300V7]**			01 ~ 99 NONE◀	1 minute ~ 99 minutes 60 minutes	CM81 Y=20, 22
22	Number of Scam Call detection **[9300V7]**			01 ~ 99 NONE◀	1 time ~ 99 times 10 times	CM81 Y=20, 21
29	Restriction state by Scam Call detection **[9300V7]**			0 1 2 NONE◀ CCC	Normal Scam Call detected (restriction available) Scam Call detected (restriction not available) Not available To cancel	
	NOTE: *Setting "CCC" when the Restriction state by Scam Call detection is "0" or "2", the number of outgoing calls is cleared and the restriction is canceled.*					

COMMAND CODE	TITLE:
85	MAXIMUM NUMBER OF SENDING DIGITS

FUNCTION:

This command is used to define the maximum number of digits which can be dialed, after C.O. access, given a specific first digit.

PRECAUTION:

This command is effective when CM35 Y=076 is assigned.

ASSIGNMENT PROCEDURE:

ST + 85Y + DE + AREA/OFFICE CODE (1-8 digits) + DE + MAXIMUM NUMBER OF SENDING DIGITS (2 digits) + EXE

DATA TABLE:

◀: Default

Y		AREA/OFFICE CODE		MAXIMUM NUMBER OF SENDING DIGITS	
No.	MEANING				
0 ~ 7	Area Code Development Pattern No. 0-7 0-4: For Toll Restriction 5-7: For LCR See CM35 Y=076 CM8A Y=4000-4004, 4005-4007	X ~ X...X (Maximum 8 digits)	Area/Office Code, or its part X: 0-9, A (*) B (#)	01 ~ 24◀ ~ 79 80 ~ 84 85 ~ 87	1 digit ~ 24 digits NOTE 1 ~ 79 digits Go back to Area Code Development Pattern No. 0 for Toll Restriction (CM85 Y=0) NOTE 2 ~ Go back to Area Code Development Pattern No. 4 for Toll Restriction (CM85 Y=4) NOTE 2 Go back to Area Code Development Pattern No. 5 for LCR (CM85 Y=5) NOTE 2 ~ Go back to Area Code Development Pattern No. 7 for LCR (CM85 Y=7) NOTE 2

NOTE 1: *If the office code is not assigned with this command, the maximum number of sending digits is automatically set to "24".*

NOTE 2: *Allows the development of a secondary table.*

Continued on next page

COMMAND CODE	TITLE:
85	MAXIMUM NUMBER OF SENDING DIGITS

Example: The example given is typical for Australian applications and more specifically would apply to installations within Melbourne.

NUMBER TO BE SENT TO C.O. LINE	MAXIMUM NUMBER OF SENDING DIGIT
0	00
1	05
2	07
3	07
4	07
5	07
6	07
7	07
8	07
9	07

NUMBER TO BE SENT TO C.O. LINE	MAXIMUM NUMBER OF SENDING DIGIT
00	00
01	09
02	09
03	09
04	09
05	09
06	09
07	09
08	09
09	09

NUMBER TO BE SENT TO C.O. LINE	MAXIMUM NUMBER OF SENDING DIGIT
000	03
001	18
002	09
003	09
004	09
005	09
006	09
007	09
008	09
009	09

COMMAND CODE	TITLE:
8A	LCR/TOLL RESTRICTION DEVELOPMENT TABLE

FUNCTION:

This command is used to define the development tables used for Least Cost Routing (LCR) and Toll Restriction (TR) features.

PRECAUTION:

To provide Outgoing Trunk Queuing (Trunk Queuing-Outgoing) in conjunction with Least Cost Routing-3/6 Digit, you must set Route Pattern No. 000-126 (CM8A Y=0000-0126). Route Pattern No. 127-255 cannot be used for Outgoing Trunk Queuing (Trunk Queuing-Outgoing) with Least Cost Routing-3/6 Digit.

ASSIGNMENT PROCEDURE:

[ST] + 8AYYYY + [DE] + 1ST DATA (1-8 digits) + [DE] + 2ND DATA (1-32 digits) + [EXE]

COMMAND CODE	TITLE:
8A	TOLL RESTRICTION DEVELOPMENT TABLE

DATA TABLE:

Toll Restriction Development Table

(☞ See CM35 Y=011, 076)

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
0000 ~ 0255	Route Pattern No. 000 ~ Route Pattern No. 255	1	TR/LCR Pattern for 6-digit Toll Restriction	00000 ~ 25500 NONE◀	XXX 00 XXX: TR Pattern No. 000-255 (☞ See CM8A Y=5000-5255) 00 : TR No. No data
1000 ~ 1015	Tenant Pattern No. 00 ~ Tenant Pattern No. 15	00 ~ 63	Tenant No. 00 ~ Tenant No. 63	0000 ~ 0255 NONE◀	Route Pattern No. 000 ~ Route Pattern No. 255 (CM8A Y=0000-0255) No data
2000 ~ 2007	Time Pattern No. 0 ~ Time Pattern No. 7	0000 ~ 2330	HH MM HH : Hours 00-23 MM: Minutes 00/30	0000 ~ 0255 NONE◀	Route Pattern No. 000 ~ Route Pattern No. 255 (CM8A Y=0000-0255) No data
				1000 ~ 1015 NONE◀	Tenant Pattern No. 00 ~ Tenant Pattern No. 15 (CM8A Y=1000-1015) No data

Continued on next page

COMMAND CODE	TITLE:
8A	TOLL RESTRICTION DEVELOPMENT TABLE

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
3000 ~ 3003	Date Pattern No. 0 ~ Date Pattern No. 3	0 1 2 3 4 5 6	Sunday Monday Tuesday Wednesday Thursday Friday Saturday	0000 ~ 0255 NONE◀	Route Pattern No. 000 ~ Route Pattern No. 255 (☞ See CM8A Y=0000-0255) No data
				1000 ~ 1015 NONE◀	Tenant Pattern No. 00 ~ Tenant Pattern No. 15 (☞ See CM8A Y=1000-1015) No data
				2000 ~ 2007 NONE◀	Time Pattern No. 0 ~ Time Pattern No. 7 (☞ See CM8A Y=2000-2007) No data
4000 ~ 4004	Area Code Development Pattern No. 0 ~ Area Code Development Pattern No. 4 ☞ See CM35 Y=076	X ~ XX...XX	Area Code (Maximum 8 digits)	0000 ~ 0255 NONE◀	Route Pattern No. 000 ~ Route Pattern No. 255 (☞ See CM8A Y=0000-0255) No data
				1000 ~ 1015 NONE◀	Tenant Pattern No. 00 ~ Tenant Pattern No. 15 (☞ See CM8A Y=1000-1015) No data

Continued on next page

COMMAND CODE	TITLE:
8A	TOLL RESTRICTION DEVELOPMENT TABLE

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
4000 ~ 4004	Area Code Development Pattern No. 0 ~ Area Code Development Pattern No. 4 ☞ See CM35 Y=076	X ~ XX...XX	Area Code (Maximum 8 digits)	2000 ~ 2007 NONE◀	Time Pattern No. 0 ~ Time Pattern No. 7 (☞ See CM8A Y=2000-2007) No data
				3000 ~ 3003 NONE◀	Date Pattern No. 0 ~ Date Pattern No. 3 (☞ See CM8A Y=3000-3003) No data
				4000 ~ 4004 NONE◀	Area Code Development Pattern No. 0 ~ Area Code Development Pattern No. 4 No data
				B000 ~ B015 NONE◀	Toll Restriction Pattern No. 00 ~ Toll Restriction Pattern No. 15 No data ☞ See CM81

Continued on next page

COMMAND CODE	TITLE:
8A	TOLL RESTRICTION DEVELOPMENT TABLE

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
5000 ~ 5255	TR Pattern No. 000 ~ TR Pattern No. 255	000	Designation of Trunk Restriction Pattern No.	00 ~ 15◀	Toll Restriction Pattern No. 00 ~ Toll Restriction Pattern No. 15 ☞ See CM81
		020	Designation of 6-digit Toll Restriction Pattern No. (☞ See CM8A Y=8000-8049)	8000 ~ 8049 CCC NONE◀	6-digit Toll Restriction Pattern No. 00 ~ 6-digit Toll Restriction Pattern No. 49 No 6-digit Toll Restriction (☞ See CM8A Y=8000-8049) No data
		021 ~ 028	6-digit Toll Restriction on Trunk Restriction Class 1-8	0 1◀	Available Not Available (To be designated by 1st Data=000)
8000 ~ 8049	6-digit Toll Restriction No. 00 ~ 6-digit Toll Restriction No. 49	XXX	Office Code (3 digits)	0 1◀	Restricted Allowed
A000	Area Code Development Pattern No. ☞ See CM20 Y=0-3: A126-A129	0 1 2 3	LCR Group No. 0 LCR Group No. 1 LCR Group No. 2 LCR Group No. 3	4000 ~ 4004 NONE◀	Area Code Development Pattern No. 0 ~ Area Code Development Pattern No. 4 No data

Continued on next page

COMMAND CODE	TITLE:
8A	LCR DEVELOPMENT TABLE

LCR Development Table

◀: Default

Y		1ST DATA		2ND DATA	
No.	**MEANING**	**DATA**	**MEANING**	**DATA**	**MEANING**
0000 ~ 0255	Route Pattern No. 000 ~ Route Pattern No. 255	0	Designation of next table (Route Pattern No.)	0000 ~ 0255 NONE◀	Next Pattern No. 000 ~ Next Pattern No. 255 No data
		1 2 3 4	1st 2nd 3rd 4th Order of Choice	00000 ~ 25563 NONE◀	XXX ZZ XXX: LCR Pattern No. 000-255 (☞ See CM8A Y=5000-5255) ZZ : Trunk Route No. 00-63 No data
1000 ~ 1015	Tenant Pattern No. 00 ~ Tenant Pattern No. 15	00 ~ 63	Tenant No. 00 ~ Tenant No. 63	0000 ~ 0255 NONE◀	Route Pattern No. 000 ~ Route Pattern No. 255 (CM8A Y=0000-0255) No data
2000 ~ 2007	Time Pattern No. 0 ~ Time Pattern No. 7	0000 ~ 2330	HH MM HH : Hours 00-23 MM: Minutes 00/30	0000 ~ 0255 NONE◀	Route Pattern No. 000 ~ Route Pattern No. 255 (CM8A Y=0000-0255) No data
				1000 ~ 1015 NONE◀	Tenant Pattern No. 00 ~ Tenant Pattern No. 15 (CM8A Y=1000-1015) No data

Continued on next page

COMMAND CODE	TITLE:
8A	LCR DEVELOPMENT TABLE

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
3000 ~ 3003	Date Pattern No. 0 ~ Date Pattern No. 3	0 1 2 3 4 5 6	Sunday Monday Tuesday Wednesday Thursday Friday Saturday	0000 ~ 0255 NONE◀	Route Pattern No. 000 ~ Route Pattern No. 255 (☞ See CM8A Y=0000-0255) No data
				1000 ~ 1015 NONE◀	Tenant Pattern No. 00 ~ Tenant Pattern No. 15 (☞ See CM8A Y=1000-1015) No data
				2000 ~ 2007 NONE◀	Time Pattern No. 0 ~ Time Pattern No. 7 (☞ See CM8A Y=2000-2007) No data
4005 ~ 4007	Area Code Development Pattern No. 5 ~ Area Code Development Pattern No. 7 ☞ See CM35 Y=076	X ~ XX...XX	Area Code (Maximum 8 digits)	0000 ~ 0255 NONE◀	Route Pattern No. 000 ~ Route Pattern No. 255 (☞ See CM8A Y=0000-0255) No data
				1000 ~ 1015 NONE◀	Tenant Pattern No. 00 ~ Tenant Pattern No. 15 (☞ See CM8A Y=1000-1015) No data

Continued on next page

COMMAND CODE	TITLE:
8A	LCR DEVELOPMENT TABLE

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
4005 ~ 4007	Area Code Development Pattern No. 5 ~ Area Code Development Pattern No. 7 ☞ See CM35 Y=076	X ~ XX...XX	Area Code (Maximum 8 digits)	2000 ~ 2007 NONE◀	Time Pattern No. 0 ~ Time Pattern No. 7 (☞ See CM8A Y=2000-2007) No data
				3000 ~ 3003 NONE◀	Date Pattern No. 0 ~ Date Pattern No. 3 (☞ See CM8A Y=3000-3003) No data
				4005 ~ 4007 NONE◀	Area Code Development Pattern No. 5 ~ Area Code Development Pattern No. 7 No data
				5000 ~ 5225 NONE◀	LCR Pattern No. 000 ~ LCR Pattern No. 255 No data
				8000 NONE◀	Intra-Office Termination No data
			Area Code (Maximum 8 digits) including LCR Access Code assigned by CM20 Y=0-3: A129	8001 ~ 8008 NONE◀	1-digit Intra-Office Station ~ 8-digit Intra-Office Station No data

Continued on next page

COMMAND CODE	TITLE:
8A	LCR DEVELOPMENT TABLE

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
4010	Operator Call Code Development No.	X ~ XXX	Area Code (Maximum 3 digits) **NOTE:** *Effective only for access code assigned by CM20 Y=0-3: A126.*	0000 ~ 0255 NONE◀	Route Pattern No. 000 ~ Route Pattern No. 255 No data
5000 ~ 5255	LCR Pattern No. 000 ~ LCR Pattern No. 255	000	Designation of Toll Restriction Pattern No.	00 ~ 15◀	Toll Restriction Pattern No. 00 ~ Toll Restriction Pattern No. 15 ☞ See CM81
		020	Designation of 6-digit Toll Restriction Pattern No. (☞ See CM8A Y=8000-8049)	8000 ~ 8049 CCC NONE◀	6-digit Toll Restriction Pattern No. 00 ~ 6-digit Toll Restriction Pattern No. 49 No 6-digit Toll Restriction No data
		021 ~ 028	6-digit Toll Restriction on Trunk Restriction Class 1-8	0 1◀	Available Not Available (To be designated by 1st Data=000)
		100	Designation of Digit Addition Pattern No. (☞ See CM8A Y=9000-9255)	9000 ~ 9255 NONE◀	Digit Addition Pattern No. 000 ~ Digit Addition Pattern No. 255 No digit addition

Continued on next page

COMMAND CODE	TITLE:
8A	LCR DEVELOPMENT TABLE

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
5000 ~ 5255	LCR Pattern No. 000 ~ LCR Pattern No. 255	150	Designation of Prefix code Pattern No. (☞ See CM8A Y=8050-8099)	8050 ~ 8099 CCC NONE◀	6-digit Prefix Pattern No. 00 ~ 6-digit Prefix Pattern No. 49 No Prefix No data
		151	Deletion of Area Code	0 1◀	To delete Not deleted
		152	All digits to be deleted from Area Code	0 1◀	To delete Not deleted
		153	Number of digit to be deleted from Area Code assigned by CM8A Y=4000-4007	00 01 ~ 10 NONE◀	No digit deletion First one digit deletion ~ First 10 digits deletion No digit deletion
		155	Sending an area code to an ISDN network as a Called Party Subaddress	0 1◀	Available Not available

Continued on next page

COMMAND CODE	TITLE:
8A	LCR DEVELOPMENT TABLE

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
5000 ~ 5255	LCR Pattern No. 000 ~ LCR Pattern No. 255	157	Kind of origination **[Chinese No. 1]**	00 01 02 03 04 05 06 07 NONE◀	Unknown Toll Semi-Automatic Call (17X) Toll Automatic Call (0) Normal Local Call, Tie Line Special Call (110, 119) International Semi-Automatic Call (10X) International Automatic Call Not used Unknown
			Kind of origination **[North America Only]**	00 01 02 03 04 05 06 07 NONE◀	Unknown International National Network Local Not used Speed Dial For future use Unknown

Continued on next page

COMMAND CODE	TITLE:
8A	LCR DEVELOPMENT TABLE

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
5000 ~ 5255	LCR Pattern No. 000 ~ LCR Pattern No. 255	157	Type of Called Party Number (for E.164)	00 01 02 03 04 05 06 07 NONE◀	Unknown International number National number Not used Subscriber number Not used Not used Not used Unknown
			Type of Called Party Number (for Private Numbering Plan)	00 01 02 03 04 05 06 07 NONE◀	Unknown Level 2 regional number Level 1 regional number PSTN specific number Local number Not used Abbreviated number Not used Unknown
		158	Called Party Numbering Plan Identifier	00 01 02 03 04 05 06 07 08 09 15 NONE◀	Unknown ISDN/Telephone Numbering Plan Not used Data Numbering Plan Telex Numbering Plan Not used Not used Not used National Numbering Plan Private Numbering Plan For future use Unknown
		159	Call by Call Type of Network ID **[North America Only]**	00 ~ 07 NONE◀	Type of Network ID No. No data

Continued on next page

COMMAND CODE	TITLE:
8A	LCR DEVELOPMENT TABLE

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
5000 ~ 5255	LCR Pattern No. 000 ~ LCR Pattern No. 255	160	Call by Call Network ID Plan [North America Only]	00 ~ 15 NONE◀	Type of Network ID No. No data
		161	Call by Call Network ID Character [North America Only]	X ~ XXXXX NONE◀	X: 0-9, A (*), B (#) No data
		162	Call by Call Service/Feature [North America Only]	0 1◀	Feature Service
		163	Call by Call Binary Facility Coding Value (for AT&T) [North America Only]	01 02 03 04 05 06 07 08 16 NONE◀	SDN MEGACOM800 MEGACOM Not used Not used ACCUNET Not used INTERNATIONAL800 AT&T MULTIQUEST No data
			Call by Call Binary Facility Coding Value (for Nortel) [North America Only]	01 02 03 04 05 06 07 08 16 NONE◀	Private INWATS OUTWATS Foreign Exchange (FX) Tie Trunk (TIE) Not used Not used Not used Not used No data

Continued on next page

COMMAND CODE	TITLE:
8A	LCR DEVELOPMENT TABLE

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
5000 ~ 5255	LCR Pattern No. 000 ~ LCR Pattern No. 255	164	Call by Call WATS Band Number **[North America Only]**	00 ~ 09 NONE◀	WATS Band Number No data
		165	Caller ID on outgoing call by CCIS/Q-SIG	0 1◀	To add Not added
		166	Emergency Notification on DESKCON/Multiline Terminal	0 1◀	To provide Not provided
		167	IP Address Pattern ☞ See CM5B, CMBA	000 ~ 255 NONE◀	IP Address Pattern No. 000 ~ IP Address Pattern No. 255 No data
		NOTE: *Set the second data to NONE for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*			
		168	Destination Point Code (DPC) for IPT (P2P CCIS)/SIP Point-to-Multi-point connection	00001 ~ 16367 NONE◀	DPC No data
		NOTE: *Set this command only for Point-to-Multi Point connection (the second data of CMA7 Y=46 is set to "0") when Voice encoding is switched by LCR Pattern number.*			
		170	Echo canceller for SIP trunk Point-to-Multi-point connection	0 1 NONE◀	Echo canceller OFF Echo canceller ON No data
			NOTE: *Set this data when setting the echo canceller to each opposite office respectively.*		

Continued on next page

COMMAND CODE	TITLE:
8A	LCR DEVELOPMENT TABLE

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
5000 ~ 5255	LCR Pattern No. 000 ~ LCR Pattern No. 255	171	Release timer for IPT (P2P CCIS) Point-to-Multipoint connection	000 001 ~ 127 999 NONE◀	30 seconds 1 minute ~ (1 minute increments) 127 minutes Not Released As per CMA7 Y=45
			NOTE: *Set this data when setting the release timer to each opposite office respectively.* *When setting the release timer to each trunk route basis, set the 2nd data to "NONE".*		
		172	Sending Transit Network Selection **[North America Only]**	0 3◀	To send Not sent
		173	Location number of the group	00 ~ 63 NONE◀	Location No. 00 ~ Location No. 63 Location No. 00
		174	Link reconnect for PC connections	0 3◀	2400 IPX SV9300

Continued on next page

COMMAND CODE	TITLE:
8A	LCR DEVELOPMENT TABLE

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
5000 ~ 5255	LCR Pattern No. 000 ~ LCR Pattern No. 255	176	Calling party number sent from ISDN Trunk **[EMEA Only]**	01	To send ISDN Subscriber Number 1 assigned by CM12 Y=12, 13 **NOTE 1**
				02	To send ISDN Subscriber Number 2 assigned by CM12 Y=46, 47 **NOTE 2**
				03	To send ISDN subscriber Number 3 assigned by CM12 Y=51 **NOTE 3**
				04	To send ISDN subscriber Number 4 assigned by CM12 Y=52 **NOTE 4**
				07	To send Representative Number assigned by CM30 Y=19, 34
				14	To send the station number without Originating Office number
				15◀	To send ISDN Subscriber Number assigned by CM12 Y=12, 13 **NOTE 1**

NOTE 1: *When CM12 Y=12/13 is not assigned, Representative Number assigned by CM30 Y=19/ 34 is sent from ISDN trunk.*

NOTE 2: *When CM12 Y=46/47 is not assigned, Representative Number assigned by CM30 Y=19/34 is sent from ISDN trunk.*

NOTE 3: *When CM12 Y=51 is not assigned, Representative Number assigned by CM30 Y=19/ 34 is sent from ISDN trunk.*

NOTE 4: *When CM12 Y=52 is not assigned, Representative Number assigned by CM30 Y=19/ 34 is sent from ISDN trunk.*

Continued on next page

COMMAND CODE	TITLE:
8A	LCR DEVELOPMENT TABLE

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
5000 ~ 5255	LCR Pattern No. 000 ~ LCR Pattern No. 255	176	Calling party number sent from SIP Trunk ☞ See CM08>1220 ☞ *Page 3-600*	00	As per Caller ID conversion mode assigned by CMBA Y=44
				01	As per Caller ID conversion mode assigned by CMBA Y=44
				02	As per Caller ID conversion mode assigned by CMBA Y=44
				08	To send Representative Number assigned by CMBA Y=32
				14	To send the station number without Originating Office number
				15◀	To send station number with Originating Office number assigned by CMA7 Y=06
			NOTE: *This data is effective only when CM08>1220 is set to "0". If CM08>1220 is set to "1", the data assigned by CMBA Y=5xxx>186 shall be effective.*		
		177	Sharing LCR Pattern No. with alternative routing	0	To provide (As per CM8A Y=5000-5255>178)
				1◀	Not provided (As per CM8A Y=5000-5255>100)
		178	Designation of Digit Addition Pattern No. (☞ See CM8A Y=5000-5255)	9000 ~ 9255	Digit Addition Pattern No. 000 ~ Digit Addition Pattern No. 255
				NONE◀	No digit addition

Continued on next page

COMMAND CODE	TITLE:
8A	LCR DEVELOPMENT TABLE

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
5000 ~ 5255	LCR Pattern No. 000 ~ LCR Pattern No. 255	179	Profile Number for SIP Trunk	01 ~ 63 NONE◀	Profile Number As per CMA7 Y=71
			NOTE: *Set this command only for Point-to-Multi Point connection (the second data of CMA7 Y=46 is set to "0") when Voice encoding is switched by LCR Pattern number.*		
		180	Origination of a call by pressing "#" key	0 1◀	To provide Not provided
		181	Whether to provide Data Conference/Instant Message for each LCR pattern	0 1◀	Restricted Allowed
		182	Level diagram group number	20 ~ 31 NONE◀	Level diagram group number 20 ~ Level diagram group number 31 As per CM35 Y=300
			NOTE: *This command is valid only for IP trunks (P2P CCIS). For details, see Appendix B "LEVEL DIAGRAM SETTING FOR SYSTEM".* ☞ Page B-1		
		183	Calling Name Notification setting for SIP trunk	00 15◀	Notify the name assigned for each station (Notify the name registered by CM77 Y=0, 1) Not provide calling name notification
			NOTE: *When this data is set to "0" but the name is not assigned by CM77 Y=0/1, the calling number is notified. The procedure of calling number notification follows the existing calling number notification service.*		

Continued on next page

COMMAND CODE	TITLE:
8A	LCR DEVELOPMENT TABLE

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
5000 ~ 5255	LCR Pattern No. 000 ~ LCR Pattern No. 255	185	DTMF In-band mode for VoIPDB	0 1 NONE◀	In-band mode (Voice pass through) Out-band mode (with H.245 UII) As per CM0B Y=2XX>121
			NOTE 1: *This command is valid only for IPT (P2P CCIS) trunks.* **NOTE 2:** *Set this command only when using IPT (P2P CCIS) trunks by the DTMF sending method differs from the one set by CM0B Y=2XX>121.*		

Continued on next page

COMMAND CODE	TITLE:
8A	LCR DEVELOPMENT TABLE

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
5000 ~ 5255	LCR Pattern No. 000 ~ LCR Pattern No. 255	186	Calling party number sent from SIP Trunk ☞ See CM08>1220 ☞ *Page 3-600*	00 01 02 03 04 08 12 13 14 15◀	Not informed SIP subscriber number 1 as per CM12 Y=12/13 **NOTE 2** SIP subscriber number 2 as per CM12 Y=46/47 **NOTE 2** SIP subscriber number 3 as per CM12 Y=51 **NOTE 2** SIP subscriber number 4 as per CM12 Y=52 **NOTE 2** Representative Number assigned by CMBA Y=32 Station number Station number (including Originating Office number assigned by CMA7 Y=06) Not informed/Station Number **NOTE 3** Not informed/Station number (including Originating Office number assigned by CMA7 Y=06) **NOTE 4**

NOTE 1: *This data is effective only when CM08>1220 is set to "1". If CM08>1220 is set to "0", the data assigned by CMBA Y=5000-5255>176 shall be effective.*

NOTE 2: *When the second data is set to "01"-"04" and no In-dial number is assigned for the notification, the second data assigned by CM12 Y=56 (0: Representative No./1: Not informed ◀) shall be effective.*

NOTE 3: *"Not informed" is set when CMA7 Y=46 2nd data=1 (Point-to-Point connection) is assigned, and "Station number" is set when CMA7 Y=46 2nd data=0 (Point-to-Multipoint connection).*

NOTE 4: *"Not informed" is set when CMA7 Y=46 2nd data =1 (Point-to-Point connection) is assigned, and "Station number (including Originating Office number)" is set when CMA7 Y=46 2nd data=0 (Point-to-Multipoint connection) is assigned.*

Continued on next page

COMMAND CODE	TITLE:
8A	LCR DEVELOPMENT TABLE

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
5000 ~ 5255	LCR Pattern No. 000 ~ LCR Pattern No. 255	187	Outgoing call kind on SIP Trunk **[9300V8]** **[North America Only]**	0 1◀	Emergency Call (911) Normal Call
			NOTE 1: *This data is available from 9300V8 (V8.3.0) software or later.* **NOTE 2:** *Set the second data to "0" for emergency call dial.*		
		188	Number to notify SIP trunk on Emergency call (911) **[9300V8]** **[North America Only]**	0 1◀	Emergency Location Identification Number (ELIN) Calling party number
			NOTE 1: *This data is available from 9300V8 (V8.3.0) software or later.* **NOTE 2:** *Set this command to the LCR pattern number assigned by CM8A Y=5000-5255>187.*		

Continued on next page

COMMAND CODE	TITLE:
8A	LCR DEVELOPMENT TABLE

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
8000 ~ 8049	6-digit TR No. 00 ~ 6-digit TR No. 49	XXX	Office Code (3 digits)	0 1◀	Restricted Allowed
8050 ~ 8099	6-digit Prefix No. 00 ~ 6-digit Prefix No. 49	XXX	Office Code (3 digits)	0 1◀	Restricted Allowed
9000 ~ 9255	Digit Addition Pattern No. 00 ~ Digit Addition Pattern No. 255	0	Entry of digit code to be added	X ~ X...X NONE◀	Digits to be added (Maximum 32 digits) X: 0-9, A (*), B (#), C (Fixed Pause), D (Programmable Pause) No data
A000	Area Code Development Pattern No. for LCR Group See CM20 Y=0-3: A126-A129	0 1 2 3	LCR Group No. 0 LCR Group No. 1 LCR Group No. 2 LCR Group No. 3	4005 ~ 4007 NONE◀	Area Code Development Pattern No. 5 ~ Area Code Development Pattern No. 7 No data

Continued on next page

COMMAND CODE	TITLE:
8A	LCR DEVELOPMENT TABLE

■ Display of Calling Party Number Sent from SIP Trunk

Display of a calling party number sent from SIP Trunk depends on the Caller ID method assigned by CM08>1220 and the data combination for the method as shown below.

1. For New Method (i.e. when a calling party number is displayed in the new method as assigned by CM08>1220: 1◀)

   • When the call is originated from a station accommodated in SV9300:

◀: Default

CM8A Y=5000-5255>186	CM12 Y=12/46/51/52	CM12 Y=56 CMA7 Y=46	Calling Party Number to be informed
00	-	-	Not informed
01	Subscriber number is assigned by CM12 Y=12	-	As per CM12 Y=12/13
	No Subscriber number is assigned by CM12 Y=12	CM12 Y=56: 0	As per CMBA Y=44
		CM12 Y=56: 1	Not informed
02	Subscriber number is assigned by CM12 Y=46	-	As per CM12 Y=46, 47
	No Subscriber number is assigned by CM12 Y=46	CM12 Y=56: 0	As per CMBA Y=44
		CM12 Y=56: 1	Not informed
03	Subscriber number is assigned by CM12 Y=51	-	As per CM12 Y=51
	No Subscriber number is assigned by CM12 Y=51	CM12 Y=56: 0	As per CMBA Y=44
		CM12 Y=56: 1	Not informed
04	Subscriber number is assigned by CM12 Y=52	-	As per CM12 Y=52
	No Subscriber number is assigned by CM12 Y=52	CM12 Y=56: 0	As per CMBA Y=44
		CM12 Y=56: 1	Not informed
08	-	-	Representative Number assigned by CMBA Y=32
12	-	-	Station number
13	-	-	Station number (CMA7 Y=06 is included)
14	-	CMA7 Y=46: 0	Station number
		CMA7 Y=46: 1	Not informed
15◀	-	CMA7 Y=46: 0	Station number (CMA7 Y=06 is included)
		CMA7 Y=46: 1	Not informed

Continued on next page

COMMAND CODE	TITLE:
8A	LCR DEVELOPMENT TABLE

- When using SV9300 as a gateway (Tandem connection):

◀: Default

INCOMING CALLING NUMBER	CMBA Y=160					REMARKS
	00 (Caller ID conversion mode 0)	01 (Caller ID conversion mode 1)	02 (Caller ID conversion mode 2)	03 (Caller ID conversion mode 3)	15◀ (Not informed)	
Not informed	Representa-tive Number assigned by CMBA Y=32	Representa-tive Number assigned by CMBA Y=32	Not informed	Not informed	Not informed	
Informed	Representa-tive Number assigned by CMBA Y=32	Original caller ID/DID Number NOTE	Original caller ID/DID Number NOTE	Representa-tive Number assigned by CMBA Y=32	Not informed	

NOTE: *When an Incoming Calling is FMC, a prefix code is added to the calling number (as set by CM35 Y=308, 311).*

Continued on next page

COMMAND CODE	TITLE:
8A	LCR DEVELOPMENT TABLE

2. For Old Method (i.e. when a calling party number is displayed in the old method as assigned by CM08>1220: 0)

   - When the call is originated from a station accommodated in SV9300:

◀: Default

CM8A Y=5XXX>176	CMBA Y=44					REMARKS
	00 (Caller ID conversion mode 0)	01 (Caller ID conversion mode 1)	02 (Caller ID conversion mode 2)	03 (Caller ID conversion mode 3)	15◀ (Not provided)	
00	Representative Number assigned by CMBA Y=32	Representative Number assigned by CMBA Y=32	Not informed	Representative Number assigned by CMBA Y=32	Not informed	
01	Representative Number assigned by CMBA Y=32	DID Number 1	DID Number 1	DID Number 1	DID Number 1	Subscriber number is assigned by CM12 Y=12, 13
	Representative Number assigned by CMBA Y=32	Representative Number assigned by CMBA Y=32	Station Number	Representative Number assigned by CMBA Y=32	Station Number	No Subscriber number is assigned by CM12 Y=12, 13
02	Representative Number assigned by CMBA Y=32	DID Number 2	DID Number 2	DID Number 2	DID Number 2	Subscriber number is assigned by CM12 Y=46, 47
	Representative Number assigned by CMBA Y=32	Representative Number assigned by CMBA Y=32	Station Number	Representative Number assigned by CMBA Y=32	Station Number	No Subscriber number is assigned by CM12 Y=46, 47
08	Representative Number assigned by CMBA Y=32					
14	Station Number (without Originating Office number assigned by CMA7 Y=06)					
15 ◀	Station Number (with Originating Office number assigned by CMA7 Y=06)					

Continued on next page

COMMAND CODE	TITLE:
8A	LCR DEVELOPMENT TABLE

- When using SV9300 as a gateway (Tandem connection):

◀: Default

INCOMING CALLING	CMBA Y=44					REMARKS
	00 (Caller ID conversion mode 0)	01 (Caller ID conversion mode 1)	02 (Caller ID conversion mode 2)	03 Caller ID conversion mode 3)	15◀ (Not provided)	
Not informed	Representa-tive Number assigned by CMBA Y=32	Representa-tive Number assigned by CMBA Y=32	Representa-tive Number assigned by CMBA Y=32	Representa-tive Number assigned by CMBA Y=32	Not informed	
Informed	Representa-tive Number assigned by CMBA Y=32	Original caller ID/DID Number	Representa-tive Number assigned by CMBA Y=32	Representa-tive Number assigned by CMBA Y=32	Original caller ID/DID Number	

COMMAND CODE	TITLE: TOLL RESTRICTION PATTERN NUMBER FOR CALL FORWARDING-OUTSIDE
8B	

FUNCTION:

This command is used to restrict Call Forwarding-Outside (including Call Forwarding-All Calls/-No Answer/-Busy Line/-Logout (IP Station)) according to the forwarding destination number.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + 8BYYY + [DE] + FORWARDING DESTINATION NUMBER/ TRUNK RESTRICTION CLASS (1-8 digits) + [DE] + 2ND DATA (1/3 digits) + [EXE]

DATA TABLE:

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
000	Registration of Toll Restriction pattern number for Call Forwarding - Outside	X ~ XXXX XXXX	Forwarding destination number X: 0-9, A (*), B (#) NOTE	100 ~ 115 NONE◀	Toll Restriction pattern number 00-15 (for Call Forwarding - Outside) No data	CM8B Y=100-115
100 ~ 115	Toll Restriction pattern number 00-15 (for Call Forwarding - Outside)	1 2 3 4 5 6 7 8	Unrestricted (RCA) Non-Restricted-1 (RCB) Non-Restricted-2 (RCC) Semi-Restricted-1 (RCD) Semi-Restricted-2 (RCE) Restricted-1 (RCF) Restricted-2 (RCG) Fully Restricted-1 (RCH)	0 3◀	Restricted Allow	CM12 Y=01 CM8B Y=000

NOTE: *Specify up to 8 digits number including access code.*

COMMAND CODE	TITLE: MULTILINE TERMINAL/DESKCON/ADD-ON MODULE KEY ASSIGNMENT
90	

FUNCTION:

This command is used to assign functions to programmable keys on a Multiline Terminal, DESKCON or Add-on Module.

PRECAUTION:

(1) "My Line" must always be assigned to any key except key No. 00 on each Multiline Terminal or Add-on Module.
But DT300/DT400 Series Multiline Cordless Terminal (24BT) must be assigned "My Line" to key No. 00.

(2) For assignment of a key on the Add-on Module, CM98 data should be assigned before data assignment of CM90.

(3) Twenty-five keys on the Add-on Module can be assigned as station/trunk appearances.

(4) For key number layout of each Multiline Terminal, DESKCON, DSS Console, and Add-On Module, refer to "TERMINAL KEY ASSIGNMENT". ☞ *Page A-1*

(5) When Multiline terminal key assignment is changed, existing key assignment must be deleted before changing the data.

(6) After any data of a programmable key on a Multiline Terminal accommodated in Unit 02-50 is assigned/changed/deleted during the operation, be sure to perform the whole system data copy to the Unit 02-50 (CMEC Y=8).
If the Multiline Terminal to which the programmable key data has been assigned is operated before the copy is completed, the lamps for the programmable keys may not work correctly. (In such a case, unplug the terminal and then plug it again.)

(7) After any key setting is changed on a Multiline Terminal (DESI-less) using CM90 Y=0, the setting data is reflected to each terminal by resetting the terminal or executing CM12 Y=29.

COMMAND CODE	TITLE:
90	MULTILINE TERMINAL KEY ASSIGNMENT

ASSIGNMENT PROCEDURE:

Multiline Terminal

[ST] + 90YY + [DE] + MY LINE NUMBER (1-8 digits) + [,] + KEY NUMBER (01-24, 90-99) + [DE] + DATA (1-8 digits) + [EXE]

[ST] + 9009 + [DE] + ORIGINAL STATION NUMBER (1-8 digits) + [DE] + COPIED STATION NUMBER (1-8 digits) + [EXE]

[ST] + 9010 + [DE] + KEY NUMBER (01-24, 90-99) + [DE] + DATA (1-8 digits) + [EXE]

[ST] + 9090 + [DE] + MY LINE NUMBER (1-8 digits) + [DE] + DATA (2 digits) + [EXE]

COMMAND CODE	TITLE:
90	MULTILINE TERMINAL KEY ASSIGNMENT

DATA TABLE:

Multiline Terminal

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Setting of Functions	X ~ XXXXXXXX	Station number • My Line number (FX-FXXXXXXXX) • Multiline number (Ordinary Station) • Multiline number (assigned by CM11) X: 0-9, A (*), B (#)	CM10 CM11
		A000 ~ A031 A100 ~ A131	Automatic Intercom number	CM11 CM12 Y=03 CM56 Y=10
		A200 ~ A700 A201 ~ A701 ⋮ A224 ~ A724	Manual Intercom number	CM11 CM12 Y=03 CM56 Y=11
		B000 ~ B900 B001 ~ B901 ⋮ B024 ~ B924	Dial Intercom number	CM11 CM12 Y=03 CM56 Y=12

Continued on next page

COMMAND CODE	TITLE:
90	MULTILINE TERMINAL KEY ASSIGNMENT

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Setting of Functions	AA01 ~ AA05 AA11 ~ AA15 ⋮ AA71 ~ AA75	Loop Line number for Multiline Terminal Attendant Position AAX Z X: Multiline Terminal Attendant Position No. (0-7) Z: Loop Line No. (1-5)	CM11 CM15 Y=071 CM12 Y=03
		AB00 ~ AB99	ICI/OPR Line number for Multiline Terminal Attendant Position number	CM11 CM15 Y=071 CM12 Y=03
		D000 ~ D511	Trunk number	CM10 CM30 Y=02, 03, 18
		F0XXX	Service access code XXX 004: OG Queuing/Call Back (OQ/CB)/ Call Completion to Busy Subscriber (CCBS) Set/Cancel **[For EMEA]**	CM15 Y=002, 003, 025, 157, 158
			006: Executive Right of Way (EROW) (Executive Override)	CM15 Y=005
			010: Call Forwarding-All Calls Set/Cancel (FDA)	CM15 Y=000, 026
			012: Call Forwarding-No Answer/Busy Line Set/Cancel (FDB/N)	CM15 Y=010, 011, 028
			014: Call Forwarding-Busy Line Set/ Cancel (FDB)	CM15 Y=011, 028
			016: Call Forwarding-No Answer Set/ Cancel (FDN)	CM15 Y=010

Continued on next page

COMMAND CODE	TITLE:
90	MULTILINE TERMINAL KEY ASSIGNMENT

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Setting of Functions	F0XXX	Service access code XXX 018: Call Forwarding-Destination Set (FDDS) 019: Call Forwarding-Destination Cancel (FDDC)	CM15 Y=015
			020: Call Pickup-Group (PICK)	CM16
			021: Call Pickup-Direct (DPICK)	CM15 Y=014
			022: Do Not Disturb Set/Reset (DND)	CM15 Y=019
			024: Automatic Wake Up (WU)/Timed Reminder	CM15 Y=013
			026: Automatic Wake Up (WU)/Timed Reminder check	CM15 Y=013
			027: Wake Up Call set from predetermined station (Single Wake Up time operation) (SWU)	CM15 Y=020
			028: Wake Up Call set from predetermined station (Multiple Wake Up time operation) (MWU)	CM15 Y=021
			029: Maid Status	
			033: Monitoring **NOTE**	CM08>259 CM15 Y=103, 104

NOTE: *Monitoring telephone conversations may be illegal under certain circumstances and laws. Consult a legal advisor before implementing the monitoring of telephone conversations. Some federal and state laws require a party monitoring a telephone conversation to use beep tones, to notify all parties to the telephone conversation, and/or to obtain consent from all parties to the telephone conversation. Some of these laws provide strict penalties for illegal monitoring of telephone conversations.*

Continued on next page

COMMAND CODE	TITLE:
90	MULTILINE TERMINAL KEY ASSIGNMENT

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Setting of Functions	F0XXX	Service access code XXX 040: Message Waiting Lamp Set (MWS) 041: Message Waiting Lamp Reset (MWR)	CM15 Y=024
			044: ACD/UCD Busy out (UCDB)	
			046: Call Hold (CHLD)	CM15 Y=001
			047: TAS Answer A (TASA) 048: TAS Answer B (TASB) 049: TAS Answer C (TASC) 050: TAS Answer D (TASD) 051: TAS Answer E (TASE)	CM53
			058: Hold (HOLD) for Trunk Line Appearance	
			059: Trunk Answer	
			067: System Speed Dialing (2-4 digits)	
			069: Last Number Redial (LAST)	CM08>177
			085: Account Code (ACC)	CM15 Y=030
			097: Direct Data Entry	
			100: Trunk Route 00 ~ ~ 163: Trunk Route 63	
			200: Route Advance 00 ~ ~ 231: Route Advance 31	
			300: Operator Call (OPR)	

Continued on next page

COMMAND CODE	TITLE:
90	MULTILINE TERMINAL KEY ASSIGNMENT

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Setting of Functions	F0XXX	Service access code XXX A25: Call Waiting (CW)	
			A26: LCR Group 0 A27: LCR Group 1 A28: LCR Group 2	
			A46: Call History screen start ◀ Message	
			A70: Malicious Call Trace [Australia Only]	CM15 Y=211
			A80: Split Call Forwarding-All Calls Set/Cancel A82: Split Call Forwarding-Busy Line/No Answer Set/Cancel	
			A88: Whisper Page	
			A94: Number Sharing Set/Cancel	
			A97: System Clock Setup by Station Dialing	
			A98: Call Park-System Set which retrieved by dialing station number	
			B34: Call Pickup-Group (Pilot)	
			B39: IP Station Logout	CM15 Y=143
			B43: System Speed Dialing origination (4 digits/1-8 digits abbreviated Code)	CM20 Y=0-3: A243
			B54: Restriction of additional participants to conference Set/Cancel	

Continued on next page

COMMAND CODE	TITLE:
90	MULTILINE TERMINAL KEY ASSIGNMENT

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Setting of Functions	F0XXX	Service access code XXX B56: Mobility Access Mode Set/Cancel NOTE	CM20 Y=0-3: A256, A257
			B61: Dual Ringing Set/Cancel NOTE	
			B74: Wake Up Call with Snooze [9300V3]	
		F1XXX	Multiline Terminal operation XXX 000: Stack Dial◀ Redial 001: Save & Repeat (1) (S&R1) 002: Voice Call (VOICE) 004: Hooking◀ Transfer (TRF)	
			005: Message Waiting Lamp/Message Reminder (MW/MR)	CM13 Y=03 CM15 Y=047
			007: DTMF Additional Dial (Programmable) (PBPRG)	CM41 Y=0>14
			008: DTMF Additional Dial (Fixed Width) (PBIX)	CM35 Y=026
			009: Hooking Signal sent to outside (SHF)	CM35 Y=016
			010: ◀ Hold (HOLD)	CM15 Y=001, 064
			011: ◀ Feature 012: Conf (CNF) 013: Save & Repeat (2) (S&R2) 014: Save & Repeat (3) (S&R3)	
			015: ◀ Recall (RECALL)	CM15 Y=007 For UCD station CM17

NOTE: *Second data F0B56 and F0B61 cannot be used with CM9A (soft key).*

Continued on next page

COMMAND CODE	TITLE:
90	MULTILINE TERMINAL KEY ASSIGNMENT

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Setting of Functions	F1XXX	Multiline Terminal operation XXX 016: ◀ Speaker (SPKR) 017: MIC (MIC) Use as a one-touch mute key 020: Release key (RLS)	
			032: OAI Function Key 0 ~ 047: OAI Function Key 15	CMD7 Y=0
			058: QoS Display on IP Station **NOTE:** *This data cannot be assigned for DT700/DT800/DT900 Series.*	
			064: Do Not Disturb (HDND) 065: Room Cutoff (HRC) 066: Message Waiting (HMW) 067: Wake Up (HWU) 068: Check In (CK-IN) 069: Room Status (RSTS)	For Hotel functions CM15 Y=062
			070: Call Record (REC) 071: Print Out (PRINT) 072: Group (GROUP) 073: Details (DETAL) 074: Set (SET) 075: Reset (RESET) 076: Cancel (CNL) 077: Release (HRLS) 079: Language (Hotel Console) 080: Do Not Disturb Override (DNDOV)/ Call Forwarding-All Calls Override **NOTE:** *Call Forwarding-All Calls Override is effective when CM08> 1014 is set to "0".*	For Front Desk Terminal functions CM15 Y=062

Continued on next page

COMMAND CODE	TITLE:
90	MULTILINE TERMINAL KEY ASSIGNMENT

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Setting of Functions	F1XXX	Multiline Terminal operation XXX 085: Voice Message Waiting Service Individual Set when called station is no answer or busy	CM15 Y=100, 102
			090: Headset/Handset Key **NOTE:** *The conditions when assigning the Headset/Handset Key are as follows.* • *When assigning the headset key for DT400/DT500/DT800/DT900 Series, the headset key works as a hook switch of the wireless headset.* • *When using a wireless headset, a reset of the terminal is required (while no reset is required for a terminal connecting to a wired headset).* • *For a DT300/DT700 Series connected to a wireless headset, do not assign the headset key (F1090).*	
			091: Record (Voice Mail Live Record) 092: Pause (Voice Mail Live Record) 093: Re-record (Voice Mail Live Record) 094: End (Voice Mail Live Record) 095: Erase (Voice Mail Live Record)	
			098: Voice Mail Key (Destination of CM51 Y=15)	
			099: Select Key of Calling Number Display or Calling Name Display	

Continued on next page

COMMAND CODE	TITLE:
90	MULTILINE TERMINAL KEY ASSIGNMENT

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Setting of Functions	F11XX	00: Station Speed Dialing 00 (SPD00) ~ ~ 99: Station Speed Dialing 99 (SPD99) NOTE	CM73 CM74 CM15 Y=007
		F12XX	01: Trunk Group 01 Busy Lamp (TGB01) ~ ~ 62: Trunk Group 62 Busy Lamp (TGB62)	CM30 Y=09
			70: Internal Zone Paging Group 0 (PG0) ~ ~ 77: Internal Zone Paging Group 7 (PG7)	CM56 Y=00-07 CM15 Y=049 CM20 Y=0-3: A130-A145
			99: All Zone Internal Paging	CM08>158 CM20 Y=0-3: A164 CM56 Y=00-05
		F13XX	00: Day/Night Mode change by Tenant 00 ~ ~ 63: Day/Night Mode change by Tenant 63 NOTE: *Do not use Day/Night Mode change by a Single Line Telephone and by a Multiline Terminal simultaneously.*	CM08>244, 245
			64: Permission/Restriction of Remote Maintenance	CM40 Y=10>2 CM41 Y=0>165

NOTE: *Station Speed Dialing 00-99 (F11XX) can be registered in the same operation procedure as Multiline Terminal's One-Touch keys. In addition, you can delete the dial key by the following procedures.*
Feature *key + Line/Trunk/Feature key to which Station Speed Dialing is assigned + (*) key +* Feature *key.*

Continued on next page

COMMAND CODE	TITLE:
90	MULTILINE TERMINAL KEY ASSIGNMENT

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Setting of Functions	F15XX	ACD/UCD Group number Busy Lamp XX: ACD/UCD Group No. (00-99)	CM15 Y=049 CM17 Y=1, 2
		F16XX	00: Event Occurrence Notice Button 01 ~ ~ 63: Event Occurrence Notice Button 64 **NOTE:** *Assign this data only for the station of the notification destination.*	CM9B Y=0
		F17XX	00: Multiline Terminal Power Saving - Tenant 00 ~ ~ 63: Multiline Terminal Power Saving - Tenant 63	CM20 Y=0-3: A272, A273 CM15 Y=231
		F3XXZ	Call Park-Tenant (CP001-CP638) XX: Group Number (00-63) Z : Serial Number (1-8) **NOTE:** *Assign this data when Hold key is used as a Call Park-Tenant Set key.*	CM08>133

Continued on next page

COMMAND CODE	TITLE:
90	MULTILINE TERMINAL KEY ASSIGNMENT

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Setting of Functions	F40XX	00: TAS Answer on Tenant 00 (ANS00) 01: TAS Answer on Tenant 01 (ANS01) ◀ Answer ~ ~ 63: TAS Answer on Tenant 63 (ANS63) NOTE	CM30 Y=00, 02, 03 CM12 Y=04 CM57 Y=30
		F41XX	00: Pooled Line Number 00-Tenant 00/ Trunk Route 00 (POL00) ~ ~ 63: Pooled Line Number 63-Tenant 63/ Trunk Route 63 (POL63)	CM30 Y=00, 01, 02, 03
		F5000	Call Park-System (CPSY)	
		F5001	Transfer to VMS	
		F5010	Caller ID Display	
		F5011	Call Redirect for transferring to station	CM51 Y=22
		F5012	Call Redirect for transferring to VMS	CM51 Y=18
		F5013	Mute Key	
		F5015	Scroll Directory◀ Directory	
		F5020	Alarm Display	
		F5024	Live Monitoring	
		F5025	Emergency Notification	CM90 Y=00: F0006
		F5026	Record (Voice Mail Live Record-CCIS)	CM08>578
		F5027	End (Voice Mail Live Record-CCIS)	CM08>578

NOTE: *By depressing the* Answer *key, either the incoming call on a* TRUNK, SUBLINE, MY LINE *or TAS (designated tenant) can be answered. If the Automatic Hold Function (Answering while talking with another party) is required for the* Answer *key, assign CM15 Y=72 to 0.*

Continued on next page

COMMAND CODE	TITLE:
90	MULTILINE TERMINAL KEY ASSIGNMENT

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Setting of Functions	F5028	Play (Voice Mail Live Record-CCIS)	CM08>675
		F5030	Scroll down to change a row which displays twofold font on LCD (available for Multiline Terminals with LCD except D^{term}/D^{term}IP)	CM12 Y=72
		F5031	Scroll up to change a row which displays twofold font on LCD (available for Multiline Terminals with LCD except D^{term}/D^{term}IP)	CM12 Y=72
		F5033	Reverse Contrast on the LCD (available for Multiline Terminals with non-color LCD except D^{term}/D^{term}IP)	CM13 Y=66 CM20 Y=0-3: A259
		F5034	Linkage with Smart device (Connection) **NOTE:** *After assigning this data, the terminal needs to be reset.*	
		F5035	Linkage with Smart device (Path) **NOTE:** *After assigning this data, the terminal needs to be reset.*	
		F5036	Security **NOTE 1:** *Security Key is available only for DT800 Series/DT930 terminals. The security function is not available for DT920 Series terminals.* **NOTE 2:** *After assigning this data, the terminal needs to be reset.*	
		F51XX	00: One Touch Group Messaging Group 00 ~ ~ 63: One Touch Group Messaging Group 63 **[9300V5]** **NOTE:** *Only Line/Trunk/Feature Keys 01-24 are programmable for this feature.*	CM57 Y=37 CM90 Y=14 CM77 Y=12

Continued on next page

COMMAND CODE	TITLE:
90	MULTILINE TERMINAL KEY ASSIGNMENT

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Setting of Functions	F6010 ~ F6017	Call Termination from FX Line 0 (FX0) ~ Call Termination from FX Line 7 (FX7)	CM35 Y=015
		F6020 ~ F6027	Call Termination from WATS Line 0 (WATS0) ~ Call Termination from WATS Line 7 (WATS7)	CM35 Y=015
		F6030 ~ F6037	Call Termination from CCSA Line 0 (CCSA0) ~ Call Termination from CCSA Line 7 (CCSA7)	CM35 Y=015
		F7XXZ	Relay Control Function Key XX : Relay Group No. (00-31) assigned by CM44 Z : Circuit No. (0-3) assigned by CM44 312, 313: External Relay Interface of CPU blade **NOTE:** *Do not set the same relay control data for more than one key and more than one Multiline Terminal.*	CM44 Y=00: 1500
01	Multiline Terminal ringing tone by Day Mode/ Night Mode	0 1 2 3◀	Day Mode: No ringing/Night Mode: Ringing Day Mode: Ringing/Night Mode: No ringing Day Mode: No ringing/Night Mode: No ringing Day Mode: Ringing/Night Mode: Ringing	CM08>577
	NOTE: *This data is effective when CM08>577 is set to 0.*			

Continued on next page

COMMAND CODE	TITLE:
90	MULTILINE TERMINAL KEY ASSIGNMENT

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
02	Ringing sending method when terminating a call to Line/Trunk key on Multiline Terminal	0 1◀	Delayed Ringing No Delayed Ringing	CM41 Y=1>09 CM12 Y=24
	NOTE: *Delayed Ringing can be assigned for the first 16/24 Line/Trunk/Feature keys.*			
03	Call Indicator Lamp control	0 1◀	Not available Available (The lamp lights on call termination or recall.)	
04	Group Feature Key	0 1◀	To provide Not provided	CM08>199, 588
	NOTE: *Do not set the second data 0 to the My Line number of Multiline Terminals.*			
05	Calling Number Display when an incoming call is terminated to the subline or TAS of Multiline Terminal **[9300V3]**	0 1◀	Not displayed To display	CM08>1232 CM13 Y=69 CM15 Y=224, 225 CM65 Y=70
	NOTE 1: *This command is set when providing calling number display at an incoming call termination to the subline and TAS of Multiline Terminal only for the call termination to the specific key (for the key which is not required calling number display, set the second data to 0 (Not provided)).* **NOTE 2:** *To provide the Calling Number Display in an incoming call to TAS of Multiline Terminal, this command is effective for 9300V4 software or later and when the second data of CM08>1232 and CM65 Y=70 is set to 0.*			
09	Copy of Multiline Terminal key assignment	X ~ XXXXXXXX NONE◀	Copied Station number (Digital Multiline Terminal and IP Multiline Terminal Only) No data	
	NOTE 1: *When the copied station is busy, "WAIT, BUSY NOW" is displayed on LCD.* **NOTE 2:** *Add-on module key assignment cannot be copied.*			

Continued on next page

COMMAND CODE	TITLE:
90	MULTILINE TERMINAL KEY ASSIGNMENT

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
10	Key setting of programmable pattern 1	–	Same as CM90 Y=00	CM04 Y=00>02
	NOTE: *Be sure to set the Key No. "F5099" (My Line) to any key on the Multiline Terminal or the Add-on Module when programmable pattern 1 is assigned.*			
14	Setting of Message No. for One-Touch Group Messaging **[9300V5]**	00 ~ 63 NONE◀	Message No. 00 for One-Touch Group Messaging ~ Message No. 63 for One-Touch Group Messaging No data	CM57 Y=37 CM90 Y=00 CM77 Y=12
	NOTE 1: *Assign a message number (defined with CM77 Y=12) to a Line/Trunk/Feature Key for One Touch Group Messaging (configured with CM90 Y=00: F5100-F5163).* **NOTE 2:** *Only Line/Trunk/Feature Keys 1-24 are programmable for this feature.*			

COMMAND CODE	TITLE:
90	MULTILINE TERMINAL KEY ASSIGNMENT

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
90	Read the number of Line Keys for Multiline Terminal (Only display)	XX NONE◀	The Number of Line Keys Logout Status/ Disconnected/Non-Multi-line Terminal	

NOTE 1: *The following table shows the number of Line Keys to be displayed by CM90 Y=90 for each Multiline Terminal type.*

Terminal Type	Displayed number of Line Keys	Remarks
DT930	8/16/32*2	Touch Panel
DT930 (24 Keys)	24	
DT920 (6 Keys) *1	12	
DT920 (8 Keys)	8/16/32*2	Self-Labeling
DT920 (12 Keys)	12	
DT830 (12 Keys)	12	
DT830 (24 Keys)	24	
DT830 (8 Keys)	32	DESI-less
DT820 (6 Keys)*1	12	
DT820 (8 Keys)	32	DESI-less
DT710 (2 /6 Keys)*1	12	
DT710 (8 Keys)	32	DESI-less
DT730 (12 Keys)	12	
DT730 (24 Keys)	24	
DT730 (32 Keys)	32	
DT730 (8 Keys)	32	DESI-less
DT750 (32 Keys)	32	Touch Panel
DT510 (6 Keys)*1	12	
DT530 (12 Keys)	12	
DT530 (24 Keys)	24	

Continued on next page

COMMAND CODE	TITLE:
90	MULTILINE TERMINAL KEY ASSIGNMENT

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
90				

Terminal Type	Displayed number of Line Keys	Remarks
DT410 (2/6 Keys)*1	12	
DT430 (12 Keys)	12	
DT430 (24 Keys)	24	
DT430 (8 Keys)	32	DESI-less
DT310 (2/6/12 Keys)*1	12	
DT330 (12 Keys)	12	
DT330 (24 Keys)	24	
DT330 (32 Keys)	32	
DT330 (8 Keys)	32	DESI-less
D^{term}85 Series-i (8/16 Keys)	16	
D^{term}85 Series-i (32 Keys)	32	

*1 This command cannot be used to identify the actual number of Line Keys on 2, 6 and 12 Line Key-terminals, because only “12” is displayed for these terminals regardless of their actual number of Line Keys.

*2 The number of displayed keys differ depending on the number of available pages.

NOTE 2: *When an optional 8LK or 16LK is connected, the number of Line Keys is the value obtained by adding 8 or 16 to each basic value shown in the table above.*

NOTE 3: *When PCPro is connected to Unit 01, information of every terminal accommodated in all other cooperating Units can be read. For each of terminals accommodated in an autonomously operating Unit, “NONE” is displayed.*

NOTE 4: *If PCPro is connected to any of the Units 02-50, which is in cooperation, “CM CODE NOT ALLOWED” is displayed at entering the 1st data, and no information can be read.*

NOTE 5: *If PCPro is connected to any of the Units 02-50, which is in autonomous operation, only the information of terminals accommodated in that Unit can be read.*

NOTE 6: *The Terminal Type can be identified by executing CMFA Y=01.*

COMMAND CODE	TITLE:
90	DESKCON KEY ASSIGNMENT

SN716 DESKCON

(1) Call Selection/Function Key Assignment:

[ST] + 90YY + [DE] + DESKCON NUMBER (E000-E007) + [,] + DESKCON KEY NUMBER (07-24, 90-97) + [DE] + SETTING DATA (5 digits) + [EXE]

(2) Multi-Function Key Assignment:

[ST] + 90YY + [DE] + EXX Y + [,] + MULTI-FUNCTION KEY NUMBER (01-04) + [DE] + SETTING DATA (5 digits) + [EXE]

XX: DESKCON Status No. (00-04)
- 00: Idle State [Same as Key Assignment (1)]
- 01: When answering or originating
- 02: When the called station is busy
- 03: When the called station is in Do Not Disturb mode
- 04: When accessing Hotel feature

Y : DESKCON No. (0-7)

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COMMAND CODE	TITLE:
90	DESKCON KEY ASSIGNMENT

SN716 DESKCON

- DESKCON Call Selection Key

Y		SETTING DATA	FUNCTION	STANDARD KEY SETTING	REMARKS	RELATED COMMAND
No.	MEANING					
00	Setting of Functions NOTE 1	F6000 ~ F6007	C.O. Incoming Call 0 (LDN0) ~ C.O. Incoming Call 7 (LDN7)	LDN0 NOTE 2		CM35 Y=015
		F6010 ~ F6017	Call Termination from FX Line 0 (FX0) ~ Call Termination from FX Line 7 (FX7)			CM35 Y=015
		F6020 ~ F6027	Call Termination from WATS Line 0 (WATS0) ~ Call Termination from WATS Line 7 (WATS7)			CM35 Y=015
		F6030 ~ F6037	Call Termination from CCSA Line 0 (CCSA0) ~ Call Termination from CCSA Line 7 (CCSA7)			CM35 Y=015
		F6040 ~ F6047	Tie Line Incoming Call 0 (TIE0) ~ Tie Line Incoming Call 7 (TIE7)	TIE0 NOTE 2		CM35 Y=015
		F6050 ~ F6053	Special Operator Call 0 (SPA0) ~ Special Operator Call 3 (SPA3)			CM20 Y=0-3: A090-A093

Continued on next page

COMMAND CODE	TITLE:
90	DESKCON KEY ASSIGNMENT

Y		SETTING DATA	FUNCTION	STANDARD KEY SETTING	REMARKS	RELATED COMMAND
No.	MEANING					
00	Setting of Functions NOTE 1	F6054	Priority Call 0 (PRI0)			CM15 Y=017 CM08>250, CM20 Y=0-3: A088
		F6055	Priority Call 1 (PRI1)			CM15 Y=018 CM08>251, CM20 Y=0-3: A089
		F6056	Emergency Call (EMGC)			CM20 Y=0-3: A094
		F6060	Operator Call (ATND)	ATND NOTE 2		
		F6061	Recall (RCL)	RCL NOTE 2		
		F6062	Serial Call Termination (SRL)			CM90 Y=00: F6105
		F6063	Call Forwarding-No Answer (NANS)	NANS NOTE 2		CM51 Y=00, 01
		F6064	Call Forwarding-Busy Line (BUSY)	BUSY NOTE 2		CM51 Y=03, 04
		F6065	Call Forwarding-Intercept (ICPT)			CM08>032, 119
		F6066	Off-Hook Alarm (EMG)			CM51 Y=12
		F6067	Attendant Interposition Calling/ Transfer (TF) (Transferred DESK CONSOLE Answer Key/lamp)			CM20 Y=0-3: A095
		F6068	Call Forwarding-No Answer for a call which is transferred to another station once			CM35 Y=147

Continued on next page

COMMAND CODE	TITLE:
90	DESKCON KEY ASSIGNMENT

- DESKCON Function Key

Y		SETTING DATA	FUNCTION	STANDARD KEY SETTING	REMARKS	RELATED COMMAND
No.	MEANING					
00	Setting of Functions	F6100	Room Cutoff (RC)	For Hotel DESKCON • Use the ANSWER key as the SET key for Hotel features. **NOTE:** *Call Forwarding-All Calls Override is effective when CM08>1014 is set to "0".*		
		F6101	Message Waiting (MW)			
		F6102	Do Not Disturb (DND)			
		F6103	Wake Up/Do Not Disturb Override (WU/OV)/Call Forwarding-All Calls Override			
		F6104	Reset (RESET)			
		F6105	Serial Call Set (SC)			CM90 Y=00: F6062
		F6106	Flash over trunk (CAS) (SHF)			CM35 Y=016
		F6107	Busy Verification (BV)	BV **NOTE 2**		CM08>012 CM15 Y=009
		F6108	Do Not Disturb Override (DNDOV)/Call Forwarding-All Calls Override	For Hotel DESKCON • Do not assign this data to key numbers 1 to 4. **NOTE:** *Call Forwarding-All Calls Override is effective when CM08>1014 is set to "0".*		
		F6109	Wake Up (WU)			
		F6110	Mode (MODE) • For SN716 DESKCON, this data is not required.		Day/Night mode change, ATT Lock-out	
		F6111	Programming (PROG) • Remote Access to System (DISA) • Memory Allocation for Called Party Numbers • Date and Time • Tone Ringer			CM2A CM71 CM02

Continued on next page

COMMAND CODE	TITLE:
90	DESKCON KEY ASSIGNMENT

Y		SETTING DATA	FUNCTION	STANDARD KEY SETTING	REMARKS	RELATED COMMAND
No.	MEANING					
00	Setting of Functions	F6112	Out pulse (PB signal) short (SPB)			CM35 Y=026
		F6113	Out pulse (PB signal) long (LPB)			CM41 Y=0>14
		F6120	Malicious Call Trace **[Australia Only]**			CM15 Y=211
		F6121	Last Number Redial			
		F6122	Select Key of Calling Number Display or Calling Name Display			
		F6123	Transfer to VMS			
		F6124	Emergency Notification		**NOTE 1**	
		F6144	Call Park-System			CM08>445
		F6150 ~ F6159	Paging 0 ~ Paging 9	PAGE0 **NOTE 2**		CM08>445
		F6200	Source (SRC)	SRC **NOTE 2**		
		F6201	Destination (DEST)	DEST **NOTE 2**		
		F6202	Cancel (CANCEL)	CANCEL **NOTE 2**		
		F6203	Talk (TALK)	TALK **NOTE 2**		
		F6204	Hold (HOLD)	HOLD **NOTE 2**		
		F6205	Start (START)			

Continued on next page

COMMAND CODE	TITLE:
90	DESKCON KEY ASSIGNMENT

Y		SETTING DATA	FUNCTION	STANDARD KEY SETTING	REMARKS	RELATED COMMAND
No.	MEANING					
00	Setting of Functions	F6240 ~ F6245	Loop 1 (LOOP 1) ~ Loop 6 (LOOP 6)	LOOP 1 ~ LOOP 6 NOTE 2		
		F6252	Answer (ANSWER)	ANSWER		
		F6253	Release (RELEASE)	RELEASE		
		F1201 ~ F1262	Lamp indication when trunks are all busy in Trunk Group 01 (TGB01) ~ Lamp indication when trunks are all busy in Trunk Group 62 (TGB62)		Maximum 6 keys per DESKCON NOTE 1	CM30 Y=09
		F7XXZ	XX Z XX : Relay Group No. (00-31) assigned by CM44 Z : Circuit No. (0-3) assigned by CM44 312, 313: External Relay Interface of CPU blade		Relay Control Function Key NOTE 3	CM44 Y=00: 1500

NOTE 1: *Do not assign this data to key numbers 1 to 4.*

Continued on next page

COMMAND CODE	TITLE:
90	DESKCON KEY ASSIGNMENT

NOTE 2: *The table below shows the default settings of programmable keys (key No. 07-97) which are set when DESKCON is set by CM10.*

KEY No.	DEFAULT SETTINGS		KEY No.	DEFAULT SETTINGS	
	SETTING DATA	MEANING		SETTING DATA	MEANING
07	F6240	LOOP1	20	–	No Data
08	F6241	LOOP2	21	F6150	PAGE0
09	F6242	LOOP3	22	–	No Data
10	F6243	LOOP4	23	–	No Data
11	F6244	LOOP5	24	F6107	BV
12	F6245	LOOP6	90	F6200	SRC
13	F6000	LDN0	91	F6201	DEST
14	F6040	TIE0	92	–	No Data
15	F6064	BUSY	93	F6203	TALK
16	F6060	ATND	94	F6204	HOLD
17	F6063	NANS	95	F6202	CANCEL
18	F6061	RCL	96	F6252	ANSWER
19	–	No Data	97	F6253	RELEASE

NOTE 3: *Only one key assignment is allowed per relay circuit.*

Continued on next page

COMMAND CODE	TITLE:
90	DESKCON KEY ASSIGNMENT

- DESKCON Multi-Function Key No. 01-04

☞ See CM60 Y=17

Y No.	DESKCON STATUS No.	MEANING	SETTING DATA	FUNCTION	REMARKS	RELATED COMMAND
00	00	Idle state	F6100	Room Cutoff (RCOF)		
			F6102	Do Not Disturb (DND)		
			F6104	Reset (RESET)		
			F6110	Mode (MODE)		
			F6111	Programming (PROG) • Remote Access to System (DISA) • Memory Allocation for Called Party Numbers • Date and Time Tone Ringer		CM2A CM71 CM02
	01	When answering or originating	F6105	Serial Call Set (SC)		CM90 Y=00: F6062
			F6106	Flash Over Trunk (CAS, Centrex) (SHF)		CM35 Y=016, 086
			F6112	Out pulse (PB Signal) Short (SPB)		CM35 Y=026
			F6113	Out pulse (PB Signal) Long (LPB)		CM41 Y=0>14
	02	When the called station is busy	F6107	Busy Verification (BV)	Attendant Over-ride	CM08>012 CM15 Y=009
			F6119	Operator Monitoring (MONIT)	[Australia Only]	

Continued on next page

COMMAND CODE	TITLE:
90	DESKCON KEY ASSIGNMENT

Y No.	DESKCON STATUS No.	MEANING	SETTING DATA	FUNCTION	REMARKS	RELATED COMMAND
00	03	When the called station is in DND	F6108	Do Not Disturb Override (DDOV)		
	04	When accessing Hotel features	F6100	Room Cutoff (RCOF)	For Hotel DESKCON **NOTE:** *Use the ANSWER key as the SET key for Hotel features.*	
			F6101	Message Waiting (MW)		
			F6102	Do Not Disturb (DND)		
			F6104	Reset (RESET)		
			F6109	Wake Up (WU)		

NOTE 1: *Incoming Call Identification/Call Processing keys or Loop keys should not be assigned to the Multi-Function Key (01-04).*

NOTE 2: *When setting or canceling a group of stations in DND/RC, use DESKCON status No. 00.*

NOTE 3: *The default setting of Multi-Function Keys is for Key No. 01-04.*
(For details, see ***NOTE 4****.* ☞ *Page 3-633**)*

Continued on next page

COMMAND CODE	TITLE:
90	DESKCON KEY ASSIGNMENT

NOTE 4: *If no data is set, the Multi-Function keys (key No. 01-09) are automatically set by default as shown below.*

- Idle State

```
                                  PA
1:23  PM  WED  03  OCT  2012
 MODE       PROG
 01         02         03         04
```

MODE: Mode
PROG: Programming

- When answering or originating

```
                          252      CL1
                          ANN
1:23  PM  WED  03  OCT  2012
 SPB        LPB        SHF
 01         02         03         04
```

SPB: Out Pulse Short
LPB: Out Pulse Long
SHF: Flash Over Trunk

- When the called station is busy

```
                      BSY  252     CL1
1:23  PM  WED  03  OCT  2012
 01         02         03         04
```

- When the called station is in DND

```
                      DND  252     CL1
                           ANN
1:23  PM  WED  03  OCT  2012
 DDOVR
 01         02         03         04
```

DDOVR: Do not Disturb Override

- When accessing Hotel feature

```
                          252      CL1
                          ANN
1:23  PM  WED  03  OCT  2012
 RC         MW         DD         WU
 01         02         03         04
```

RC : Room Cutoff
MW: Message Waiting
DD : Do not Disturb
WU : Wake Up

COMMAND CODE	TITLE:
90	ADD-ON MODULE KEY ASSIGNMENT

Add-On Module

[ST] + 90YY + [DE] + MY LINE NUMBER (1-8 digits) + [,] + KEY NUMBER (30-89) + [DE] + DATA (1-8 digits) + [EXE]

[ST] + 9010 + [DE] + KEY NUMBER (30-89) + [DE] + DATA (1-8 digits) + [EXE]

Y		SETTING DATA			RELATED COMMAND
No.	MEANING	KEY No.	DATA	MEANING	
00	Setting of Functions	30 ~ 54	X ~ XXXXXXXX	Station number • My Line number (FX-FXXXXXXXX) • Multiline number (Ordinary Station) • Multiline number (assigned by CM11) X: 0-9, A (*), B (#)	CM10 CM11
			A000 ~ A031 A100 ~ A131	Automatic Intercom number	CM11 CM56 Y=10
			A200 ~ A700 A201 ~ A701 ~ A224 ~ A724	Manual Intercom number	CM11 CM56 Y=11

Continued on next page

COMMAND CODE	TITLE:
90	ADD-ON MODULE KEY ASSIGNMENT

◀: Default

Y		SETTING DATA			RELATED COMMAND
No.	MEANING	KEY No.	DATA	MEANING	
00	Setting of Functions	30 ~ 54	B000 ~ B900 B001 ~ B901 ⋮ B024 ~ B924	Dial Intercom number	CM11 CM56 Y=12
			D000 ~ D511	Trunk number	CM10 CM30 Y=18
		30 ~ 89	F11XX	XX: 00-99: Station Speed Dialing 00-99	CM73 CM74
		87 ~ 89	F0043	Day/Night Key **NOTE 1:** *Any one of key numbers 87 through 89 can be used for the Day/Night key.*	
02	Ringer sending method when terminating a call to Line/Trunk key on Multiline Terminal	30 ~ 54	0 1◀	Delayed Ringing No Delayed Ringing **NOTE 2:** *Delayed Ringing can be assigned to the first 16 Line/Trunk keys (Key No. 30 through 45).*	CM41 Y=1>09
10	Key setting of programmable pattern 1 **NOTE 1**	–	–	Same as CM90 Y=00 **NOTE 2**	

NOTE 1: *Key No. 01 cannot be assigned to the first data.*
NOTE 2: *Be sure to set the Key No. "F5099" (My Line) to any key on the Multiline Terminal or the Add-on Module when programmable pattern 1 is assigned.*

COMMAND CODE	TITLE:
93	PRIME LINE

FUNCTION:

This command is used to assign the prime line to a station line or a trunk line on a Multiline Terminal. The prime line is the line seized when the Multiline Terminal user goes off-hook or presses the speaker key.

PRECAUTION:

Any one station line or trunk line provided on the Multiline Terminal can be assigned as Prime Line.

ASSIGNMENT PROCEDURE:

[ST] + 93 + [DE] + MY LINE NUMBER (1-8 digits) + [DE] + STATION NUMBER (1-8 digits) / TRUNK NUMBER (4 digits) + [EXE]

DATA TABLE:

MY LINE NUMBER	SETTING DATA		RELATED COMMAND
	DATA	MEANING	
X ~ XXXXXXXX	X ~ XXXXXXXX	Station number/Virtual Line number **NOTE:** *Any station number or Virtual Line number can be assigned to the Prime Line. However, setting a My Line number as a Prime Line number is more convenient for operations.* *A single-line telephone cannot be assigned as the Prime Line.*	CM10, CM11
	D000 ~ D511	Trunk number	CM30 Y=02, 03, 18

NOTE: *When registering a station number using CM10, a My Line number is automatically registered as a Prime Line number if a default setting pattern for Multiline Terminal has been assigned by CM04 Y=00>02 in advance.*

☞ *See Fixed pattern and Programmable pattern*

COMMAND CODE	TITLE:
94	MULTILINE TERMINAL ONE-TOUCH MEMORY

FUNCTION:

This command is used to assign memory for the storage of numbers accessed by the one-touch keys on a Multiline Terminal.

PRECAUTION:

Do not duplicate the same memory area for CM73 and CM94 usually. However, when Dial by Name feature using one-touch keys or BLF on Multiline Terminal line key feature are provided, the same memory areas must be specified by CM73 and CM94.

ASSIGNMENT PROCEDURE:

[ST] + 94 + [DE] + MY LINE NUMBER (1-8 digits) + [DE] + DATA (8 digits) + [EXE]

DATA TABLE:

◀: Default

MY LINE NUMBER	SETTING DATA	
	DATA	MEANING
X ~ XXXXXXXX	WW XX YYY Z	WW : 1000-Slot Memory Block number (00-99) **NOTE** XX : 10-Slot Memory Start Block number (00-99) YYY: Number of 10-Slot Memory Blocks (001-010) Z : Facility for programming the dialed number from the station (0/1=Effective/Ineffective)
	NONE◀	No data

COMMAND CODE	TITLE:
96	DSS CONSOLE NUMBER

FUNCTION:

This command is used to assign a DSS Console to a station, Multiline Terminal or Attendant Console.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

ST + 96 + DE + DSS CONSOLE NUMBER (2 digits) + DE + DATA (1-8 digits) + EXE

DATA TABLE:

◀: Default

DSS CONSOLE NUMBER	SETTING DATA		RELATED COMMAND
	DATA	MEANING	
00 ~ 31	X ~ XXXXXXXX	Single Line Telephone station number or My Line number of Multiline Terminal	CM10 Y=00: E100-E131 CM97
See CM10 Y=00: E100-E131	E000 ~ E007	Attendant Console number	CM10 Y=00: E000-E007
	NONE◀	No data	

NOTE: *When DSS Console is connected to the side option of the DT700/DT800/DT900 Series, be sure to set the station number connected to the DT700/DT800/DT900 Series.*

COMMAND CODE	TITLE:
97	DSS CONSOLE KEY ASSIGNMENT

FUNCTION:

This command is used to assign the station numbers and trunk numbers to the keys on each DSS Console.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + 97 + [DE] + DSS CONSOLE NUMBER (2 digits) + [,] + DSS KEY NUMBER (2 digits) + [DE] + DATA (1-8 digits) + [EXE]

COMMAND CODE	TITLE:
97	DSS CONSOLE KEY ASSIGNMENT

DATA TABLE:

DSS CONSOLE NUMBER	DSS KEY NUMBER	SETTING DATA		RELATED COMMAND
		DATA	MEANING	
00 ~ 31 ☞ See CM10 Y=00: E100-E131	00 ~ 59	X ~ XXXXXXXX	Station number	CM10 CM11
		DXXX	Trunk number (XXX: 000-511)	CM10 CM30 Y=02, 03, 18
		F13XX	XX 00: Day/Night Mode Change by Tenant 00 ~ ~ 63: Day/Night Mode Change by Tenant 63	CM08>244 CM08>245
	56	F1052	Function Change key	
	57 ~ 59	F0043	Night key	CM08>244, 245 CM15 Y=60
		F1048	Room Cutoff-Set/Reset	
		F1049	Message Waiting-Set/Reset	
		F1050	Call Recording	
		F1051	Check-In/Out	
		F1053	Do Not Disturb-Set/Reset	
		F1054	No Answer Indication for Wake Up Call	
		F1055	Function key used for busy out display from ACD/UCD Group	CM08>265

COMMAND CODE	TITLE:
98	ADD-ON MODULE NUMBER

FUNCTION:

This command is used to assign the Add-on Module to the My Line number of a Multiline Terminal.

PRECAUTION:

(1) One Add-on Module number can be assigned for each My Line number of a Multiline Terminal.

(2) This command should be performed before the data assignment of CM90.

ASSIGNMENT PROCEDURE:

[ST] + 98Y + [DE] + ADD-ON MODULE NUMBER (00-31) + [DE] + MY LINE NUMBER (1-8 digits) + [EXE]

DATA TABLE:

Y	ADD-ON MODULE NUMBER	MY LINE NUMBER
0	00 ~ 31 See CM10 Y=00: EC00-EC31	X ~ XXXXXXXX

COMMAND CODE	TITLE:
9A	MULTILINE TERMINAL SOFT KEY ASSIGNMENT

FUNCTION:

This command is used to assign functions for the Soft Key on a Multiline Terminal.

PRECAUTION:

When entering data with characters, the following characters can be registered;
Alphabet upper case (A-Z), alphabet lower case (a-z), numeric (0-9), symbol (! “ # $ % & ’ ( ) + , ; < = > ? @ [ ] ^ _ ‘ { } ~), Space, hyphen (-), period (.), slash (/), colon (:)

NOTE: *The character “CCC” cannot be registered.*

ASSIGNMENT PROCEDURE:

[ST] + 9AYY + [DE] + STATUS NUMBER + SOFT KEY NUMBER (4 digits) + [DE] + DATA (2-12 digits) + [EXE]

COMMAND CODE	TITLE:
9A	MULTILINE TERMINAL SOFT KEY ASSIGNMENT

DATA TABLE:

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
00 ~ 03	Setting of Soft Key function for each Pattern Number (Pattern Number 0-3)	aa bb	aa : Status Number (00-11) 00: Idle State 01: During dialing (Holding no call) 02: During dialing (Holding a station/trunk) 03: During calling for a station (Holding no call) 04: During calling for a station (Holding a station/trunk) 05: Being called 06: When called party station is busy (Holding no call) 07: When called party station is busy (Holding a station/trunk) 08: When called party sets DND 09: Trunk Busy 10: During Speaking (Holding no call) 11: During Speaking (Holding a station/trunk) bb: Soft Key Number (00-15) 00-03: Indicated on 1st display 04-07: Indicated on 2nd display 08-11: Indicated on 3rd display 12-15: Indicated on 4th display	F5002 F5003 F5014 F5015 F5029 F5038 F5039 FXXXX NONE◀	Scroll key to change the Soft key indication Ringer Tone Changing Dial By Name for System Speed Dialing Dial By Name for Station Speed Dialing Call History Search for Dial By Name for System Speed Dialing/ Station Speed Dialing Malicious Call List Set key [9300V3] Function key (Same as F0XXX, F1XXX, F50XX of CM90) See Default Data of CM9A (Pattern No. 3). ☞ Page 3-647 No data

Continued on next page

COMMAND CODE	TITLE:
9A	MULTILINE TERMINAL SOFT KEY ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
10 ~ 13	Setting of Soft Key name for each Pattern Number (Pattern Number 0-3)	aa bb	aa : Status Number (00-11) 00: Idle State 01: During dialing (Holding no call) 02: During dialing (Holding a station/trunk) 03: During calling for a station (Holding no call) 04: During calling for a station (Holding a station/trunk) 05: Being called 06: When called party station is busy (Holding no call) 07: When called party station is busy (Holding a station/trunk) 08: When called party sets DND 09: Trunk Busy 10: During Speaking (Holding no call) 11: During Speaking (Holding a station/trunk) bb: Soft Key Number (00-15) 00-03: Indicated on 1st display 04-07: Indicated on 2nd display 08-11: Indicated on 3rd display 12-15: Indicated on 4th display	XX...XXX NONE◀	Soft Key name indicated on LCD (2-12 characters) ☞ See Character Code Table for English in CM77. ☞ See Chapter 1, CAT Key Assignment. No data

NOTE 1: *When the 2nd data of CM12 Y=23 is set to "3", the default Soft Key pattern is assigned as shown on* *Page 3-647*.

NOTE 2: *Pattern No. 3 is fixed.*

NOTE 3: *Help key is only available in Pattern No. 3.*

Continued on next page

COMMAND CODE	TITLE:
9A	MULTILINE TERMINAL SOFT KEY ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
18	Setting of Soft Key name for each Pattern Number (Pattern Number 0) (for Russian) **[Asia]**	aa bb	aa : Status Number (00-11) 00: Idle State 01: During dialing (Holding no call) 02: During dialing (Holding a station/trunk) 03: During calling for a station (Holding no call) 04: During calling for a station (Holding a station/trunk) 05: Being called 06: When called party station is busy (Holding no call) 07: When called party station is busy (Holding a station/trunk) 08: When called party sets DND 09: Trunk Busy 10: During Speaking (Holding no call) 11: During Speaking (Holding a station/trunk) bb: Soft Key Number (00-15) 00-03: Indicated on 1st display 04-07: Indicated on 2nd display 08-11: Indicated on 3rd display 12-15: Indicated on 4th display	XX...XXX NONE◀	Soft Key name indicated on LCD (2-12 characters) ☞ See Character Code Table for Russian in CM77. ☞ See Chapter 1, CAT Key Assignment. No data

Continued on next page

COMMAND CODE	TITLE:
9A	MULTILINE TERMINAL SOFT KEY ASSIGNMENT

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
22	Setting of Soft Key name for each Pattern Number (for Simplified Chinese) (Pattern Number 0) NOTE	aa bb	aa : Status Number (00-11) 00: Idle State 01: During dialing (Holding no call) 02: During dialing (Holding a station/trunk) 03: During calling for a station (Holding no call) 04: During calling for a station (Holding a station/trunk) 05: Being called 06: When called party station is busy (Holding no call) 07: When called party station is busy (Holding a station/trunk) 08: When called party sets DND 09: Trunk Busy 10: During Speaking (Holding no call) 11: During Speaking (Holding a station/trunk) bb: Soft Key Number (00-15) 00-03: Indicated on 1st display 04-07: Indicated on 2nd display 08-11: Indicated on 3rd display 12-15: Indicated on 4th display	XX...XXX NONE◀	Soft Key name indicated on LCD (Maximum 3 characters) No data
26	Setting of Soft Key name for each Pattern Number (for Traditional Chinese) (Pattern Number 0) NOTE				

NOTE: *This data can be assigned by PCPro, not by CAT.*

Continued on next page

COMMAND CODE	TITLE:
9A	MULTILINE TERMINAL SOFT KEY ASSIGNMENT

Default Data of CM9A (Pattern No. 3)

1ST DATA of Y=03	STATUS	KEY No.	2ND DATA of Y=03	MEANING	INDICATION (Y=13)
0000	Idle	00	F1017	MIC ON/OFF	MIC
0001		01	F5038	Dial by Name for System Speed Dialing/Station Speed Dialing	DIR
0002		02	F5029	Call History	HIST.
0003		03	F5002	Scroll key	>>>>
0004		04	F0010	Call Forwarding-All Calls Set/Cancel	FDA
0005		05	F0012	Call Forwarding-No Answer/Busy Line Set/Cancel	FDN
0006		06			
0007		07	F5002	Scroll key	>>>>
0100	During dialing (Holding no call)	00	F1015	Recall * To return to DT listening.	Recall
0101		01	F0020	Call Pickup-Group	PICK
0102		02			
0103		03	F5002	Scroll key	>>>>
0104		04	F0010	Call Forwarding-All Calls Set/Cancel	FDA
0105		05	F0012	Call Forwarding-No Answer/Busy Line Set/Cancel	FDN
0106		06	F0022	Do Not Disturb Set/Cancel	DND
0107		07	F5002	Scroll key	>>>>

Continued on next page

COMMAND CODE	TITLE:
9A	MULTILINE TERMINAL SOFT KEY ASSIGNMENT

Default Data of CM9A (Pattern No. 3)

1ST DATA of Y=03	STATUS	KEY No.	2ND DATA of Y=03	MEANING	INDICATION (Y=13)
0200	During calling for station (Holding station/ trunk)	00	F1015	Recall * To return to two-party call.	Recall
0201		01			
0202		02			
0203		03			
0300	During calling for station (Holding no call)	00	F1015	Recall * To return to DT listening.	Recall
0301		01	F1002	Voice Call	VOICE
0302		02	F0004	Call Back Set	CB
0303		03	F5002	Scroll key	>>>>
0304		04	F1005	Message Reminder	MW
0305		05			
0306		06			
0307		07	F5002	Scroll key	>>>>
0400	During calling for station (Holding station/ trunk)	00	F1015	Recall * To return to two-party call.	Recall
0401		01	F1002	Voice Call	VOICE
0402		02			
0403		03	F5002	Scroll key	>>>>
0404		04	F1005	Message Reminder	MW
0405		05	F5001	Transfer to VMS	VMTRF
0406		06			
0407		07	F5002	Scroll key	>>>>
0500	Being Called	00	F5003	Ringer Tone Changing	R-TONE
0501		01	F1017	MIC ON/OFF	MIC
0502		02			
0503		03			

Continued on next page

COMMAND CODE	TITLE:
9A	MULTILINE TERMINAL SOFT KEY ASSIGNMENT

Default Data of CM9A (Pattern No. 3)

1ST DATA of Y=03	STATUS	KEY No.	2ND DATA of Y=03	MEANING	INDICATION (Y=13)
0600	When called party station is busy (Holding no call)	00	F0004	Call Back Set	CB
0601		01	F0A25	Call Waiting Set	CW
0602		02			
0603		03	F5002	Scroll key	>>>>
0604		04	F1005	Message Reminder	MW
0605		05			
0606		06			
0607		07	F5002	Scroll key	>>>>
0700	When called party station is busy (Holding station/trunk)	00	F1015	Recall * To return to two-party call.	Recall
0701		01			
0702		02			
0703		03	F5002	Scroll key	>>>>
0704		04	F1005	Message Reminder	MW
0705		05	F5001	Transfer to VMS	VMTRF
0706		06			
0707		07	F5002	Scroll key	>>>>
0800	When called party sets DND	00			
0801		01			
0802		02			
0803		03			
0900	Trunk busy	00	F0004	Call Back Set	CB
0901		01			
0902		02			
0903		03			

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COMMAND CODE	TITLE:
9A	MULTILINE TERMINAL SOFT KEY ASSIGNMENT

Default Data of CM9A (Pattern No. 3)

1ST DATA of Y=03	STATUS	KEY No.	2ND DATA of Y=03	MEANING	INDICATION (Y=13)
1000	During speaking (Holding no call)	00	F1017	MIC ON/OFF	MIC
1001		01	F5013	Mute	MUTE
1002		02			
1003		03			
1100	During speaking (Holding station/trunk)	00	F1017	MIC ON/OFF	MIC
1101		01	F1012	Conference	CONF
1102		02	F1015	Recall * To return to DT listening.	Recall
1103		03			

COMMAND CODE	TITLE:
9B	EVENT OCCURRENCE NOTICE BUTTON ASSIGNMENT

FUNCTION:

This command is used to provide the event occurrence notice button. When the offices with CCIS via IPT (P2P CCIS) connection SIP trunk connection are disconnected due to a fault occurrence, the link down can be notified to the Multiline Terminals that are connected to the offices. Also the Units (except Main Unit) are disconnected due to a fault occurrence, the link down can be notified to the Multiline Terminals that are connected to the units.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + 9BY + [DE] + EVENT OCCURRENCE NOTICE BUTTON NUMBER + LINK DOWN NOTICE FOR CCIS/SIP TRUNK/UNITS (4 digits) + [DE] + DATA (1 digit) + [EXE]

DATA TABLE:

◀: Default

Y		1ST DATA		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
0	Link down notice for CCIS/SIP trunk/ Units to the Event Occurrence Notice button	XX ZZ	XX: 01-64: Event Occurrence Notice Button No. ZZ : 00: Link down notice for CCIS 02-50: Link down notice for Units (except Main Unit) 51: Link down notice for SIP NOTE	0 1◀	To notify Not notified	CM90 Y=00: F1600-F1663

NOTE: *Link down notice (02-50) corresponds to the Unit02-50 (except Main Unit).*

COMMAND CODE	TITLE:
9C	DESI-LESS LCD

FUNCTION:

This command is used to set characters displayed on DT300/DT400/DT700/DT800 Series DESI-less and DT900 Series (Self-Labeling).

PRECAUTION:

This data setting is valid by resetting DT300/DT400/DT700/DT800/DT900 Series or executing CM12 Y=29.

ASSIGNMENT PROCEDURE:

ST + 9CYY + DE + BLOCK NUMBER (2 digits) + DE + DATA (1-16 digits) + EXE

DATA TABLE:

◀: Default

Y		1ST DATA		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
00	Block number assignment with Function key	00 ~ 99	Block number	FXXXX NONE◀	Function key (Same as F0XXX, F1XXX, F50XX of CM90) No data	CM90 Y=00: FXXXX
01	Function Name assignment with character code			XXX...X NONE◀	Character Code (Maximum 16 digits) See Character Code Table. ☞ Page 3-568 No data	
02	Function Name assignment with character			XXX...X NONE◀	Character (Maximum 8 digits) No data	
05	Function Name assignment with character (for Simplified Chinese) NOTE 1			XXX...X NONE◀	Character (Maximum 4 characters) No data	

Continued on next page

COMMAND CODE	TITLE:
9C	DESI-LESS LCD

◀: Default

Y		1ST DATA		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
06	Function Name assignment with character (for Traditional Chinese) NOTE 1	00 ~ 99	Block number	XXX...X NONE◀	Character (Maximum 4 characters) No data	

NOTE 1: *This data can be assigned by PCPro, not by CAT.*

NOTE 2: *Assign a Block number (00-99) arbitrarily as a first data. Two or more service functions are not allowed to be set for a single Block number. A block number assigned by this command is a setting common to all DESI-less Terminals.*

NOTE 3: *After setting of CM9C Y=00, 01 and 02, the setting data is reflected by resetting the terminal or executing CM12 Y=29.*

COMMAND CODE	TITLE:
A7	CCIS CHANNEL/IP TRUNK/SIP TRUNK DATA 1

FUNCTION:

This command is used to assign the various data to each Common Channel Handler (CCH), IP Trunk and SIP Trunk provided.

PRECAUTION:

When setting the IPT (P2P CCIS) No. with this command, be sure to set the first data to "00".

ASSIGNMENT PROCEDURE:

[ST] + A7YY + [DE] + CCH/IPT/SIP TRUNK No. (00-63) + [DE] + DATA (1-5 digits) + [EXE]

DATA TABLE:

CCIS CHANNEL DATA

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Trunk used as Common Signaling channel/IPT (P2P CCIS)	000 ~ 511 NONE◀	Trunk number assigned by CM10 Y=00 No data	CM10 Y=00
01	Originating Point Code (OPC) (RESET)	00001 ~ 16367 NONE◀	Originating Point Code No data	
	NOTE 1: *The Originating Point Code (OPC) is used to designate an originating office in the No. 7 CCIS network.* **NOTE 2:** *An OPC assigned by this command is used only within the Main Unit, and will not be sent to a SIP Server and others.* **NOTE 3:** *If other No.7 CCIS (IP Trunk [P2P CCIS]/CCT) is accommodated in the system, assign the same OPC.* **NOTE 4:** *A single OPC must not be assigned to two offices or more.* **NOTE 5:** *Do not change this data while the system is operating. If you do that, the operation of IP Stations will be unstable.*			

Continued on next page

COMMAND CODE	TITLE:
A7	CCIS CHANNEL/IP TRUNK/SIP TRUNK DATA 1

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
02	Destination Point Code (DPC)	00001 ~ 16367 NONE◀	Destination Point Code No data	
	NOTE 1: *Assign Destination Point Code (DPC) by this command for Point-to-Point connection and Point-to-Multipoint connection.* **NOTE 2:** *A DPC assigned by this command is used only within the Main Unit, and will not be sent to a SIP Server and others.* **NOTE 3:** *For this DPC, assign an arbitrary value which is different from a value set by CMA7 Y=01.* **NOTE 4:** *When a SIP Trunk is used in a Point-to-Multipoint connection (i.e. the second data=0 for CMA7 Y=46) and the voice encoding is switched by LCR Pattern number, assign both of CM8A Y=5000-5255>168 (DPC) and this command.*			
03	Centralized Billing Facility	0 1 3◀	Distant End is a Center Office Distant End is a Local Office Not provided	
04	Centralized Billing destination	00001 ~ 16367 NONE◀	Point Code of Center Billing Office No data	
05	Centralized Fault Reporting destination	00001 ~ 16367 NONE◀	Point Code of Centralized Fault Reporting Office No data	
06	Originating Office number for Open Numbering Plan **NOTE:** *Effective when CMA7 Y=82 is not assigned.*	0000 ~ 9999 NONE◀	Originating Office number No data	CM08>801 CMA7 Y=82
07	Center Billing Office number for Closed Numbering Plan **NOTE:** *Effective when CMA7 Y=06 is not assigned.*	0000 ~ 9999 NONE◀	Center Billing Office number No data	CM08>801 CMA7 Y=06

Continued on next page

COMMAND CODE	TITLE:
A7	CCIS CHANNEL/IP TRUNK/SIP TRUNK DATA 1

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
10	ACM signal waiting timer after sending IAI signal when originating calls via CCIS SIP trunk ringing/answer response timer when time-out occurs alternate routing is executed if provided	01 ~ 14 15◀	2 seconds ~ (2 seconds increments) 28 seconds 6 seconds	
26	Calling Name Display-CCIS/SIP trunk **NOTE:** *Effective when CM08>379: 1 (Maximum number of dialed digits sent to the CCIS is 24 digits).*	0 1◀	Not provided To provide	CM08>379
28	Calling Party Information transferring service	0 1◀	Not provided To provide	
29	Multiple Call Forwarding-All Calls/ Busy Line/No Answer-CCIS	0 1◀	Allowed (Maximum 7 times) Restricted (Only once)	CM08>370 CM42>72
30	Busy Lamp Field (BLF)-CCIS	0 1◀	To provide Not provided	
44	TOS field Precedence for IPT (P2P CCIS) control packet TOS: Type of Service **NOTE:** *This data setting is ineffective when CMA7 Y=50 is set.* IPT (P2P CCIS) RESET	0 ~ 7 15◀	PRECEDENCE 0 ~ PRECEDENCE 7 PRECEDENCE 0	CM35 Y=134 CMA7 Y=71
45	Release timer for IPT (P2P CCIS) Point-to-Multipoint connection	000 001 ~ 127 NONE◀	30 seconds 1 minute ~ 127 minutes Not released	

Continued on next page

COMMAND CODE	TITLE:
A7	CCIS CHANNEL/IP TRUNK/SIP TRUNK DATA 1

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
46	Connection method for IPT (P2P CCIS)/SIP trunk RESET IPT (P2P CCIS) RESET	0 1◀	Point-to-Multipoint Point-to-Point	
	NOTE 1: *When connecting a SIP Trunk to a carrier, set this data to 1 (Point-to-Point).* **NOTE 2:** *When interconnecting a SIP Trunk to 2000 IPS/SV8300/SV9300 without connecting to any carrier, set this data to 0 (Point-to-Multipoint).*			
50	DiffServ code point setting for IPT (P2P CCIS) control packet IPT (P2P CCIS) RESET	00-3F NONE◀	DiffServ code point No data	CM35 Y=161 CMA7 Y=44
	NOTE 1: *Set this data when the router provides DiffServ QoS, if required.* *DiffServ: Differentiated Services; one type of QoS.* *QoS : Quality of Service* **NOTE 2:** *When this data is set, the TOS field Precedence set by CMA7 Y=44 is ineffective.* *If you want to validate the Precedence set by CMA7 Y=44, set "CCC" (data clear) for CMA7 Y=71.* **NOTE 3:** *This data setting is required only for Point-to-Multipoint connection.*			
64	Trunk seizure sequence for incoming calls **[North America Only]**	0 1◀	By allotter From the lowest circuit number	
	NOTE: *Trunk seizure sequence for outgoing calls can be set by CM35 Y=083.*			
71	SIP Profile number for control packet	00 ~ 63 NONE◀	Profile number for control packet No data	CM35 Y=91 CM8A Y=5000-5255>179
	NOTE 1: *Assign SIP Profile number by this command for Point-to-Point connection and Point-to-Multi Point connection.* **NOTE 2:** *When a SIP Trunk is used in a Point-to Multipoint connection (i.e. the second data=0 for CMA7 Y=46) and the voice encoding is switched by LCR Pattern number, assign both of CM8A Y=5000-5255>179 (SIP Profile number) and this command.*			

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COMMAND CODE	TITLE:
A7	CCIS CHANNEL/IP TRUNK/SIP TRUNK DATA 1

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
77	Registration status/Manual registration sending	0 1◀	Not registered Registration is completed/ REGISTER is sent again	
78	Unit of SIP Trunk Number (RESET)	00 ~ 50 NONE◀	Unit No. No data	
81	Baud rate for Common Signaling Channel	0 1 2 3 7◀	64 Kbps 56 Kbps 48 Kbps (1) 48 Kbps (2) 64 Kbps	
82	Own Office number (for 5 digits)	00000 ~ 99999 NONE◀	Office Code No data	CMA7 Y=06
	NOTE: *Do not assign CMA7 Y=06 and CMA7 Y=82 simultaneously. The setting of CMA7 Y=82 has a priority if these two commands are assigned simultaneously.*			
83	SIP Profile number of Secondary Unit	00 ~ 63 NONE◀	Profile No. As per CMA7 Y=71	CM0B Y=001>142 CMA7 Y=71
	NOTE: *When SIP trunk is used in the same account of Primary Unit and Secondary Unit under Failover system, assign this data to NONE (As per CMA7 Y=71). When SIP trunk is used in different account of Primary Unit and Secondary Unit under Failover system, assign this data to other than Profile number set by CMA7 Y=71.*			
85	Guest Name Display-CCIS **[9300V3]**	0 1◀	To provide Not provided	
	NOTE 1: *This command setting is required for the own office and the opposite office.* **NOTE 2:** *Guest Name Display-CCIS cannot be used when the opposite office is SV8300/SV9300 (V2 or before).*			

COMMAND CODE	TITLE:
A8	CCIS CHANNEL/IP TRUNK/SIP TRUNK DATA 2, LIN INDEX SETTING

FUNCTION:

This command is used to assign a destination office for a message to be transferred (e.g. service information) and the Common Channel Handler (CCH), IP trunk and SIP trunk which accommodate the message. In addition, this command is used to assign the LIN (Location Identification Number) Index to notify the location information of a caller to an OAI application.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + A8Y + [DE] + 1ST DATA (5 digits) + [DE] + 2ND DATA (2-12 digits) + [EXE]

DATA TABLE:

◀: Default

Y	1ST DATA		2ND DATA		RELATED COMMAND
	No.	MEANING	DATA	MEANING	
0	00001 ~ 16367 NOTE 1	Destination Point Code (DPC) sent from distant office assigned by CMA7 Y=02	00 ~ 63 NONE◀	CCH/IP trunk/SIP trunk No. 00 ~ CCH/IP trunk/SIP trunk No. 63 No data NOTE 2	CMA7 Y=02
1			aaabbbcccddd NONE◀	IP Address aaa : 000-255 bbb: 000-255 ccc : 000-255 ddd: 001-254 No data NOTE 3	CMA7 Y=02
2 [9300 V4]			0000 ~ 1999 NONE◀	LIN* Index 0000 ~ LIN* Index 1999 No data *: LIN=Location Identification Number	CM04 Y=90 CMA7 Y=02

NOTE 1: *A maximum of 256 DPCs per system can be assigned.*

Continued on next page

COMMAND CODE	TITLE:
A8	CCIS CHANNEL/IP TRUNK/SIP TRUNK DATA 2, LIN INDEX SETTING

NOTE 2: *Programming procedure of CMA8 Y=0 is as follows.*

- *For IPT (P2P CCIS), set this data IPT No. 00.*
- *Set this data to SIP trunk No. of SIP trunk that is used for DPC of SIP server assigned by CMA7 Y=02.*

NOTE 3: *Programming procedure of CMA8 Y=1 is as follows.*

- *For IPT (P2P CCIS), set this data IP address of destination IPT (VoIP address of destination office).*
- *For Point-to-Point connection to SIP trunk (CMA7 Y=46: 1), this data is not needed to assigned.*
- *For Point-to-Multipoint connection to SIP trunk (CMA7 Y=46: 0), set this data to IP address of destination IPT (VoIP address of destination office).*

COMMAND CODE	TITLE:
A9	ISDN (PRI) D-CHANNEL ASSIGNMENT (BLADE RESET)

FUNCTION:

This command is used to assign the various data to each D-Channel for ISDN-Primary Rate Interface.

PRECAUTION:

This command requires the blade reset after data setting.

ASSIGNMENT PROCEDURE:

[ST] + A9YY + [DE] + D-CHANNEL No. (00-31) + [DE] + DATA (3 digits) + [EXE]

DATA TABLE:

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Trunk used as D-Channel number	000 ~ 511 NONE◀	DTI/PRT trunk number assigned by CM10 Y=00 No data	CM05 Y=0: 41 CM10 Y=00 CM35 Y=093

COMMAND CODE	TITLE:
AA	DTI/BRT/PRT/CCT BLADE FUNCTIONS

FUNCTION:

This command is used to assign the functions to the DTI, BRT, PRT, and CCT blade.

PRECAUTION:

After setting CMAA Y=00-02, 06, 09, 19-21, 25, the blade reset is required.

ASSIGNMENT PROCEDURE:

[ST] + AAYY + [DE] + TRUNK BLADE NUMBER (000-127) + [DE] + DATA (1-2 digits) + [EXE]

DATA TABLE:

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Data Mode (1.5M (T1) DTI) BLADE RESET	0 1◀	As per CM35 Y=369 [9300V5] Based on AT&T Specifications	CM05 Y=1 CM35 Y=369
01	Frame Configuration (1.5M (T1) DTI/CCT) BLADE RESET	0 1◀	12-Multi Frame (D4) 24-Multi Frame (ESF)	CM05 Y=1
	Frame Configuration (2M (E1) DTI) BLADE RESET	0 1◀	Double Frame (no CRC-4) CRC-4 multiframe structure	
02	ZCS (Zero Code Suppression) (1.5M (T1) DTI/CCT) BLADE RESET	0 1◀	Available (Non Transparent) Not available (Transparent)	CM05 Y=1
	NOTE: *This data is effective only when the second data of CMAA Y=01 is set to 0 (12-Multi Frame).*			
04	2M(E1) DTI Trunk Make Busy	0 1◀	Available Not available	CM05 Y=1
	NOTE: *For a DTI (E1 2 Mbps) blade that is made busy, both Incoming/Outgoing calls are restricted.*			

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COMMAND CODE	TITLE:
AA	DTI/BRT/PRT/CCT BLADE FUNCTIONS

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
06	ISDN Protocol Type for PRT BLADE RESET	17	Australia	CM05 Y=1
		18	New Zealand	
		19	ITU-T (Hong Kong)	
		20	AT&T (#4, #5 ESS)	
		21	NTI (DMS 100, 250)	
		22	Australia ETSI	
		23	ETSI VN4 (Chile)	
		24	ETSI Standard (Brazil, Chile, Columbia, UAE)	
		25	ITU-T Standard (Thailand)	
		28	USA NI-2	
		30	ETSI-2 (Latin America/Europe)	
		31	Germany **[For EMEA]**	
		32	Netherlands Greece/Luxembourg/Portugal/ Spain/Sweden **[For EMEA]**	
		33	Italy **[For EMEA]**	
		34	ETSI (Huawei) **[For China]**	
		63◀	Not used	

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COMMAND CODE	TITLE:
AA	DTI/BRT/PRT/CCT BLADE FUNCTIONS

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
06	ISDN Protocol Type for BRT BLADE RESET	17 18 20 21 22 24 25 27 28 31 32 33 63◀	Australia New Zealand AT&T (#4, #5 ESS) NTI (DMS 100, 250) Australia ETSI ETSI Standard (Brazil, Columbia, Indonesia, UAE) ITU-T Standard (Thailand) USA NI-1 USA NI-2 Germany **[For EMEA]** Netherlands **[For EMEA]** Italy **[For EMEA]** Not used	CM05 Y=1
	ISDN Telephone Type	24 63◀	ETSI Terminal Not ETSI Terminal **NOTE**	
	NOTE: *To accommodate the ISDN telephone with ETSI specification, set this data to "24". Set "63" for the ISDN telephone with any other specification.*			
09	Idle Code on ISDN B Channels (1.5M (T1) DTI) BLADE RESET	0 1◀	Send 7F to PSTN Send FF to PSTN	CM05 Y=1
	Line Encoding (2M (E1) DTI) BLADE RESET	0 1◀	AMI HDB3	
15	Type of PRT/CCT	0 1◀	E1 (2 Mbps) T1 (1.5 Mbps)	CM05 Y=1

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COMMAND CODE	TITLE:
AA	DTI/BRT/PRT/CCT BLADE FUNCTIONS

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
16	Providing PRT/BRT blade with ISDN Advice of Charge (AOC) **[UAE Only]**	0 1◀	To provide Not provided	CM05 Y=1 CM42>69, 70
19	Selection of cable length (DTI/CCT) BLADE RESET	0 1 2 3 4 7◀	0-40 m (0-131.2 ft.) 41-81 m (134.5-265.7 ft.) 82-122 m (269.0-400.2 ft.) 123-162 m (403.4-531.4 ft.) 163-200 m (534.6-656 ft.) 0-40 m (0-131.2 ft.)	CM05 Y=1
20	Short/Long distance mode setting of cable (CCT) BLADE RESET	0 1◀	Short distance Long distance	CM05 Y=1
21	Receiving pulse level (CCT) BLADE RESET	00 01 02 03 04 05 06 07 15◀	0.91/1.70 V 1.74/0.84 V 0.59/0.84 V 0.42/0.45 V 0.32/0.45 V 0.21/0.20 V 0.16/0.10 V 0.10/not defined 0.91/1.70 V	CM05 Y=1
22	Local loopback setting (BRT/PRT) (For test)	0 1 2 3 4 7◀	Local Loop Back (for BRT) Remote Loop Back for PRT (FIFO unavailable) Payload Loop Back (for PRT) (maintenance bit unavailable) Remote Loop Back (for PRT) (FIFO available) Payload Loop Back (for PRT) (maintenance bit available) Loop Back OFF (for BRT/PRT)	CM05 Y=1

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COMMAND CODE	TITLE:
AA	DTI/BRT/PRT/CCT BLADE FUNCTIONS

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
24	Local loopback setting (CCT) (For test)	00 01 15◀	Local Loop Back Payload Loop Back Loop Back OFF	CM05 Y=1
25	2M (E1) DTI Trunk Type Data BLADE RESET	08 15◀	Brazil Code for collect call blocking trunk **[Brazil Only]** ITU-T Q.421 Standard trunk	CM05 Y=1
32	Sending RAI for CRC error **[For EMEA]**	0 1◀	Not sent To send	CM05 Y=1

COMMAND CODE	TITLE:
AC	ISDN FUNCTIONS

FUNCTION:

This command is used to assign the functions to the BRT blade.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + ACYY + [DE] + ISDN D-CHANNEL No. (00-31) + CIRCUIT No. (0-3) + [DE] + DATA (1-8 digits) + [EXE]

[ST] + AC30 + [DE] + TRUNK BLADE No. (000-127) + CIRCUIT No. (0-3) + [DE] + ISDN SUBSCRIBER No. (4 digits) + SPID (4 digits) + [EXE]

DATA TABLE:

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	ISDN Line station number to be controlled	X ~ XXXXXXXX	ISDN Line station number	
01	Layer 2 data link (BLADE RESET)	0 1◀	Point-to-Point connection Point-to-Multipoint connection	
03	Passive Bus in Point-to-Multipoint connection (BLADE RESET)	0 1◀	Extended Passive Bus Short Passive Bus	
10	National ISDN-1 mode **[North America Only]**	0 1◀	To provide Not provided	
11	Sending of expanded information on Low Layer Compatibility (LLC) information element for connection between ISDN telephone/ISDN trunks	0 1◀	Allow Restricted	CM08>722 CM35 Y=130

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COMMAND CODE	TITLE:
AC	ISDN FUNCTIONS

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
16	Type of power supply for ISDN telephone BLADE RESET	0 1◀	Power supply from the system Local power supply	
30	SPID (Service Profile ID) for each B channel of BRT blade [North America Only]	XXXX ZZZZ (8 digits)	XXXX: ISDN Subscriber No. ZZZZ : SPID	

COMMAND CODE	TITLE:
AD	SIP CONVERTER DATA ASSIGNMENT

FUNCTION:

This command is used to assign the Unit number for each SIP converter.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + AD50 + [DE] + SIP CONVERTER NUMBER (000-127) + [DE] + SETTING DATA (2 digits) + [EXE]

DATA TABLE:

◀: Default

Y	MEANING	SIP CONVERTER No.	SETTING DATA	
			DATA	MEANING
50	UNIT number of SIP Converter (RESET)	000-127	01 ~ 50 NONE◀	Unit01 ~ Unit50 Unit01
	NOTE: *When a standard SIP station is accommodated to Remote Unit, set the Unit number by this command.*			

COMMAND CODE	TITLE:
B0	PEG COUNT 1

FUNCTION:

This command allows accumulated data of use for maintenance purposes to be read from the system PEG counter. Data can be cleared after reading.

PRECAUTION:

When the system is reset, the contents in the memories of the PEG counter are all cleared.

ASSIGNMENT PROCEDURE:

Y=0

- To clear individual data

[ST] + B00 + [DE] + TRUNK STATUS DATA (3-5 digits) + [DE] + CCC + [EXE]

- To clear all PEG COUNT data

[ST] + B00 + [DE] + 999 + [DE] + CCC + [EXE]

- To display

[ST] + B00 + [DE] + TRUNK STATUS DATA (3-5 digits) + [DE]

Y=2

- To set the PEG COUNT measurement start/end time

[ST] + B02 + [DE] + 1ST DATA (0/1) + [DE] + 2ND DATA (8 digits) + [EXE]

- To display the PEG COUNT measurement status

[ST] + B02 + [DE] + 2 + [DE]

COMMAND CODE	TITLE:
B0	PEG COUNT 1

DATA TABLE:

Y	TRUNK STATUS DATA		SETTING DATA
	DATA	MEANING	
0	000 ~ 063	Number of outgoing trunk seizure-Trunk Route No. 00-63	CCC
	064	Number of tandem connections established	
	065	Number of times a busy station was encountered	
	066	Number of calls to Attendant Console from station	
	068	Number of connections giving Dial Tone	
	069	Number of station-to-station connections established	
	070	Number of failures caused by all senders being busy	
	072	Number of failures caused by all registers being busy	
	076	Number of failures caused by all ringing circuits being busy	
	077	Number of failures caused by all VoIPDB channels being busy	
	078	Number of forced release of communication between station and Trunk/Tandem connection	
	079	Number of call forwarding caused by the calling number is not informed from network	
	080	Number of rejection of the incoming call the calling is not informed from network	
	082	Number of recording executions to the VMS by pressing the Record key for Voice Mail Live Record-CCIS	
	083	Number of playing executions from the VMS by pressing the Play key for Voice Mail Live Record-CCIS	
	084	Number of Mobility Access calls terminated from mobile phones	
	085	Number of Mobility Access settings from mobile phones	
	087	Number of hookings in Mobility Access connection	

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COMMAND CODE	TITLE:
B0	PEG COUNT 1

Y	TRUNK STATUS DATA		SETTING DATA
	DATA	MEANING	
0	088	Number of outgoing calls of ISDN Alternative Routing in Remote Unit survival mode	CCC
	089	Number of Call Completion to Busy Subscriber (CCBS) set from calling party **[For EMEA]**	
	090	Number of Call Completion to Busy Subscriber (CCBS) set to called party **[For EMEA]**	
	093	Number of Call Forwarding by the restriction of call termination by calling numbers (set by CM76 Y=43/CM35 Y=304: 0)	
	094	Number of Do Not Disturb by the restriction of call termination by calling numbers (set by CM76 Y=43/CM35 Y=304: 1)	
	095	Number of Call Forwarding-Busy Line for call forwarding in Mobility Access Mode	
	096	Number of Call Forwarding-No Answer for call forwarding in Mobility Access Mode	
	097	Number of Mobility Access calls restricted because of DSP resource limitation	
	098	Number of times of encrypted calls connected	
	099	Restriction number of Remote Maintenance via built-in modem **NOTE 1**	
	100 ~ 163	Number of incoming call seizure-Trunk Route No. 00-63	
	200 ~ 263	Number of times all trunks found to be busy trunk route No. 00-63	

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COMMAND CODE	TITLE:
B0	PEG COUNT 1

Y	TRUNK STATUS DATA		SETTING DATA
	DATA	MEANING	
0	500 ~ 563	Number of incoming calls terminated to busy tone-Trunk Route No. 00-63	CCC
	600 ~ 663	Number of unanswered incoming calls-Trunk Route 00-63	
	700 ~ 763	Number of register connection on trunk call-Trunk Route 00-63	
	830	Number of conference calls (Three/Four way Calling)	
	831	Number of failures cased by all conference trunks (For three way Calling) being busy	
	832	Number of transferred incoming calls to Attendant Console or predetermined station, by Call Forwarding-No Answer	
	833	Number of failures caused by all DTMF receivers being busy	
	835	Number of failures caused by all MFC receivers being busy	
	836	Number of failures caused by all Caller ID receivers being busy	
	837	Number of failures caused by all Caller ID senders being busy	
	838	Number of failures caused by all MF receivers being busy **[North America Only]**	
	999	Clear all PEG data	

Continued on next page

COMMAND CODE	TITLE:
B0	PEG COUNT 1

◀: Default

Y	1ST DATA		2ND DATA	
	DATA	MEANING	DATA	MEANING
2 Setting of duration for measuring PEG COUNT	0	Setting of PEG COUNT Start Time	MM DD HH mm	MM: Month (01-12) DD : Day (01-31) HH : Hour (00-23) mm : Minute (00-59)
	1	Setting of PEG COUNT End Time	NONE◀ To stop the PEG COUNT immediately, enter 99999999 To clear the Setting data, enter CCC	No data
	2	Display the PEG COUNT Status NOTE 2		

NOTE 1: *CMB0 Y=0>099 is counted restriction of remote access from unassigned Calling party No. while setting remote maintenance restriction by Calling party No., or restriction of remote access while setting remote maintenance restriction by user operation.*
(related command: CMEC Y=B, CM35 Y=319, CM40 Y=10>2, CM41 Y=0>165, CM90 Y=00: F1364)

NOTE 2: *The meaning of the data displayed is as shown below.*
0: Not started
1: Under measuring
2: Finished
After turning power on or after a system reset, the system starts the PEG COUNT, if the PEG COUNT start time has not been set.

COMMAND CODE	TITLE:
B1	TRAFFIC MEASUREMENT

FUNCTION:

This command is used to measure traffic data of outgoing/incoming trunk calls and to display the data on CAT or PCPro.

PRECAUTION:

When the system is reset, all commands of CMB1 are initialized.

ASSIGNMENT PROCEDURE:

[ST] + B1Y + [DE] + 1ST DATA (1-5 digits) + [DE] + 2ND DATA (1-8 digits) + [EXE]

DATA TABLE:

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
0	Setting of traffic measurement condition	0	Traffic Measurement Mode	0◀ 1 2 3 4	No measurement Traffic measurement per hour Traffic measurement per day Traffic measurement per hour continuously Traffic measurement per day continuously
		NOTE: *Traffic Measurement start time and end time settings by CMB1 Y=0>1, 2 are required to set the second data 1 and 2.*			
		1	Setting Start Time for Traffic Measurement	MMDDHHmm NONE◀	MM: Month (01-12) DD : Day (01-31) HH : Hour (00-23) mm : Minute (00-59) No data

Continued on next page

COMMAND CODE	TITLE:
B1	TRAFFIC MEASUREMENT

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
0	Setting of traffic measurement condition	2	Setting End Time for Traffic Measurement	MMDDHHmm	MM: Month (01-12) DD : Day (01-31) HH : Hour (00-23) mm : Minute (00-59)
				NONE◀	No data
		3	Display data for Traffic Measurement	0◀	Before the traffic measurement
				1	During the traffic measurement
				2	Completed the traffic measurement

Continued on next page

COMMAND CODE	TITLE:
B1	TRAFFIC MEASUREMENT

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	TRAFFIC DATA	MEANING
1	Display incoming trunk traffic data	XXXZ	XXX: Trunk No. (000-511) Z : Record No. (0-6)	XXXX (4 digits)	Incoming trunk traffic data X.XXX erl (Ex.) 0125 → 0.125 erl
2	Display outgoing trunk traffic data	XXXZ	XXX: Trunk No. (000-511) Z : Record No. (0-6)	XXXX (4 digits)	Outgoing trunk traffic data X.XXX erl (Ex.) 0125 → 0.125 erl
3	Display incoming trunk route traffic data	XXZ	XX: Trunk Route No. (00-63) Z : Record No. (0-6)	XXXXXX (6 digits)	Incoming trunk route traffic data XXX.XXX erl (Ex.) 001345 → 1.345 erl
4	Display outgoing trunk route traffic data	XXZ	XX: Trunk Route No. (00-63) Z : Record No. (0-6)	XXXXXX (6 digits)	Outgoing trunk route traffic data XXX.XXX erl (Ex.) 001345 → 1.345 erl

COMMAND CODE	TITLE:
B3	UCD PEG COUNT

FUNCTION:

This command allows accumulated traffic data related to the UCD Group to be read from the system.

PRECAUTION:

When the system is reset, the contents in the memories of the PEG counter are all cleared.

ASSIGNMENT PROCEDURE:

- To display

[ST] + B3Y + [DE] + DATA (1-8 digits) + [DE]

- To clear individual data

[ST] + B3Y + [DE] + TRUNK STATUS DATA + [DE] + CCC + [EXE]

- To clear all UCD PEG COUNT data

[ST] + B39 + [DE] + 999 + [DE] + CCC + [EXE]

DATA TABLE:

Y		SETTING DATA	
TRUNK STATUS DATA	MEANING	DATA	MEANING
0	Number of answered calls on UCD station (Only display)	X ~ XXXXXXXX	UCD Station Number See CM17 Y=0
1	Number of incoming calls to UCD Group (Only display)	XX	XX: UCD Group (00-99) See CM17 Y=2

Continued on next page

COMMAND CODE	TITLE:
B3	UCD PEG COUNT

Y		SETTING DATA	
TRUNK STATUS DATA	MEANING	DATA	MEANING
2	Number of call waiting calls for predetermined time in queuing mode on UCD Group (Only display) **NOTE 2**	XX	XX: UCD Group (00-99) See CM17 Y=2
3	Number of abandoned calls to UCD Group after predetermined time in queuing mode waiting calls (Only display) **NOTE 2, NOTE4**		
4	Number of incoming calls to all busy of UCD Group (Only display) **NOTE 5**		
5	Number of incoming calls to UCD Group that were answered (Only display)		
6	Number of times of queuing assigned by CM42>16 was reached (Only display)		
9	Clear all UCD PEG COUNT data	999	

NOTE 1: *These counters work in a range from 00000 to 49999. If the number of each data exceeds 49999, the counter restarts from 00000 again.*

NOTE 2: *"Predetermined time" for CMB3 Y=2, 3 is assigned by CM41 Y=0>16, 167.*

NOTE 3: *When answering by the virtual station, numbers of CMB3 Y=0 is counted towards the answered station.*

NOTE 4: *The count conditions of CMB3 Y=3 are as follows.*

- For CM08>1404: 1

After a certain period of time (CM41 Y=0>16, 167), the UCD PEG is counted when the caller abandons the call.

- For CM08>1404: 0

For the all incoming calls in queuing mode, the UCD PEG is counted when the caller abandons the call.

NOTE 5: *The number of incoming calls is counted in queuing mode while UCD Group is all busy.*

COMMAND CODE	TITLE:
B4	PEG COUNT OF IP NETWORK

FUNCTION:

This command allows accumulated traffic data for Bandwidth Control between location groups on IP network to be read from the system PEG counter. Data can be cleared after reading.

PRECAUTION:

When the system is reset, the contents in the memories of the PEG counter are all cleared.

ASSIGNMENT PROCEDURE:

- To display

[ST] + B4YY + [DE] + LOCATION NUMBER (00-63) + LOCATION NUMBER (00-63) + [DE]

- To clear individual data

[ST] + B4YY + [DE] + LOCATION NUMBER (00-63) + LOCATION NUMBER (00-63) + [DE] + CCC + [EXE]

- To clear all data

[ST] + B4YY + [DE] + 9999 + [DE] + CCC + [EXE]

COMMAND CODE	TITLE:
B4	PEG COUNT OF IP NETWORK

DATA TABLE:

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
00	Number of times that traffic exceeded the limit bandwidth	XXZZ	XX: Location number of group to send side (00-63) ZZ : Location number of group to receive side (00-63) All clear	00000 ~ 49999 CCC	Counter data display **NOTE 1** Clear	CM67
01	Number of times that traffic exceeded the warning bandwidth			00000 ~ 49999 CCC	Counter data display **NOTE 1** Clear	
02	Maximum bandwidth that are used	9999		0000000 ~ 1677721 CCC	Maximum bandwidth display (Kbps) **NOTE 2** Clear	
03	Bandwidth that are used now			0000000 ~ 1677721 CCC	Bandwidth display (Kbps) **NOTE 2** Clear	

NOTE 1: *The PEG count of 00000-49999 can be stored to the system. When the number exceeds 49999, the system starts counting from 00000.*

NOTE 2: *The bandwidth of 0-1677721 Kbps can be displayed on PCPro/CAT. Even if the bandwidth exceeds 1677721, the PCPro/CAT displays the bandwidth 1677721 Kbps.*

COMMAND CODE	TITLE:
B5	PEG COUNT 2

FUNCTION:

This command displays the number of counts used by the various services. In addition, readout data can be all cleared.

[9300V3]

PRECAUTION:

When the system is reset, the contents in the memories of the PEG counter are all cleared.

ASSIGNMENT PROCEDURE:

- To display

[ST] + B5YYY + [DE] + 1ST DATA (4 digits) + [DE]

- To clear individual data

[ST] + B5YYY + [DE] + 1ST DATA (4 digits) + [DE] + CCC + [EXE]

- To clear all PEG COUNT data

[ST] + B5999 + [DE] + 9999 + [DE] + CCC + [EXE]

COMMAND CODE	TITLE:
B5	PEG COUNT 2

DATA TABLE:

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
000	Counter of each system	3021	Number of Call Back to Mobile Phone succeeded	0◀ ≀ 9999999	Counter data (only display) **NOTE 1**	CMB5 Y= 100>08XX
		3022	Number of Call Back to Mobile Phone failed	0◀ ≀ 9999999	Counter data (only display) **NOTE 1**	CMB5 Y= 100>09XX
		3024	Number of One-Touch Group Messaging succeeded **[9300V5] NOTE 1, NOTE 2**	0◀ ≀ 9999999	Counter data (only display)	CM90 Y=00: F5100-5163
		3025	Number of One-Touch Group Messaging failed **[9300V5] NOTE 1, NOTE 3**	0◀ ≀ 9999999	Counter data (only display)	CM90 Y=00: F5100-5163
100	Counter of each trunk route	08XX	Number of Call Back to Mobile Phone succeeded XX: 00-63 (Trunk Route No.)	0◀ ≀ 9999999	Counter data (only display) **NOTE 1**	CMB5 Y= 000>3021
		09XX	Number of failed Call Back to Mobile Phone XX: 00-63 (Trunk Route No.)	0◀ ≀ 9999999	Counter data (only display) **NOTE 1**	CMB5 Y= 000>3022
999	Clear all PEG data	9999	Clear all PEG data	CCC	Clear	

Continued on next page

COMMAND CODE	TITLE:
B5	PEG COUNT 2

NOTE 1: *If the counter data exceeds 9999999, the count continues. The indication in this case, "*" is added to the start of lower 7 digits of counter data.*

NOTE 2: *When a message broadcast with a One-Touch Group Messaging key is correctly delivered to at least one recipient station, the broadcast is counted as a success. Consider these points:*

- *Each message broadcast is counted as 1, regardless of the number of recipients to which the message is correctly delivered.*
- *A One Touch Group Message is determined to be "correctly" delivered to a recipient when the recipient is a smart phone that is out of cell (zone) or powered off.*

NOTE 3: *When a message broadcast with a One-Touch Group Messaging key is correctly delivered to none of the recipient stations, the broadcast is counted as a failure. Consider these points:*

- *Message broadcasts blocked as restricted key usage by option field check are not counted.*
- *A One Touch Group Message is determined to be incorrectly (or incompletely) delivered to a recipient when the recipient is an IP station that is logged out.*

COMMAND CODE	TITLE:
B6	NETWORK STATISTICS DISPLAY

FUNCTION:

This command is used to set the VoIP Packet Statistics feature and read out the VoIP Packet Statistics.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + B600 + [DE] + 1ST DATA (2 digits) + [DE] + 2ND DATA (4 digits) + [EXE]

[ST] + B601 + [DE] + 1ST DATA (2/6 digits) + [DE]

DATA TABLE:

VoIP Packet Statistics Setting

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
00	VoIP Packet Statistics setting **[9300V4]**	00 ~ 09	Location Combination Pattern No.	aabb CCC NONE◀	aa: Location No. (A) (00-63) bb: Location No. (B) (00-63) Location No. information clear Invalid	CM15 Y=194

NOTE 1: *This command is effective when the second data of CM15 Y=194 is set to 0.*
NOTE 2: *VoIP Packet Statistics is counted for location A-B, B-A assigned to the second data respectively.*
NOTE 3: *When a same location No. is assigned to the location A and B of the second data, VoIP Packet Statistics is collected in the assigned location.*
NOTE 4: *You cannot assign the same location A and B to the more than one Combination Pattern number, or the location number which replaced the location A and B.*

Continued on next page

COMMAND CODE	TITLE:
B6	NETWORK STATISTICS DISPLAY

Display of VoIP Packet Statistics

◀: Default

Y		1ST DATA		READOUT DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
01	Display of VoIP Packet Statistics [9300V4]	aabccc	Display VoIP Packet Statistics aa : Location Combination Pattern No. (00-09) b : Location A (0)/ Location B (1) ccc: Record No. (000-799) NOTE 1	yy/mm/ dd...fffffffff NONE◀	VoIP Packet Statistics NOTE 2 No stored data	
		00 ~ 09	Location Combination Pattern No. NOTE 3	CCC	Clear VoIP Packet Statistics	

NOTE 1: *Record No. of the first data is displayed in order of latest date and time which are collected and stored.*
Example:
When the Record No. 000 is specified, the data which is currently collecting is displayed. In addition, for each time the one Record No. is increased, the past one hour of data is displayed.

Continued on next page

COMMAND CODE	TITLE:
B6	NETWORK STATISTICS DISPLAY

NOTE 2: *The displayed contents of the second data are as follows.*

yy/mm/dd hh ssrr aaaaaaaaaa bbbbbbbbbb cccccccccc eeeeeeeeee ffffffffff

yy : year (last two digits)
mm : month
dd : date
hh : hour
ss : Originating Location No.
rr : Destination Location No.
aaaaaaaaaa: Total of sent RTP packets (10 digit fixed DEC value)
bbbbbbbbbb: Total of received RTP packets (10 digit fixed DEC value)
cccccccccc : Total of received RTP packet loss (10 digit fixed DEC value)
eeeeeeeeee : Total of path connections (10 digit fixed DEC value)
ffffffffff : The number of detection of sound degradation (10 digit fixed DEC value)
** There is a space between each parameter of the second data.*

NOTE 3: *If the stored data is cleared, the both stored data of the location combination A-B, B-A for VoIP Packet Statistics is deleted.*

COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

FUNCTION:

This command is used to assign the various profile data for SIP Trunk.

PRECAUTION:

(1) Profile No. for control packet is assigned by CMA7 Y=71.

(2) When entering data with characters, the following characters can be registered;
Alphabet upper case (A-Z), alphabet lower case (a-z), numeric (0-9), symbol (! " # $ % & ' ( ) * + , ; < = > ? @ [ ] ^ _ ' { } ~), Space, hyphen (-), period (.), slash (/), colon (:)

ASSIGNMENT PROCEDURE:

[ST] + BAYY/YYY + [DE] + 1ST DATA (Profile No. 00-63) + [DE] + 2ND DATA (1-32 digits) + [EXE]

DATA TABLE:

Y=04-47

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
04	TOS/Diffserv Precedence for SIP trunk control packet TOS: Type of Service (RESET)	00 ~ 63	Profile number for control packet	00 ~ 07 15◀	PRECEDENCE 0 ~ PRECEDENCE 7 PRECEDENCE 0	CM35 Y=134 CMA7 Y=71 CMBA Y=10

NOTE 1: *The higher number has higher priority.*
NOTE 2: *For a setting value for this command, consult with a network manager. If no specific instruction is given from the manager, set the second data to "06".*
NOTE 3: *Set CMBA Y=10 to provide Diffserv QoS.*
NOTE 4: *Assigning this command enables a router to recognize the precedence with WFQ (Weighed Fair Queuing) and to control the control packets according to the precedence.*
NOTE 5: *This command assigns QoS for packets that are sent from a unit which accommodates a SIP trunk to another device to which the SIP trunk is connected.*

Continued on next page

COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
10	TOS/Diffserv Precedence for SIP trunk control packet (RESET)	00 ~ 63	Profile number for control packet	00 ~ 3F NONE◀	TOS/Diffserv Precedence No data	CM35 Y=161 CMA7 Y=71 CMBA Y=04
	NOTE 1: *Set this data when the router provides DiffServ QoS, if required.* *DiffServ: Differentiated Services; one type of QoS.* *QoS: Quality of Service* **NOTE 2:** *For a setting value for this command, consult with a network manager. If no specific instruction is given from the manager, do not assign any data to this command.* **NOTE 3:** *When this data is set, the TOS field Precedence set by CMBA Y=04 becomes unavailable.* *To make the TOS field precedence available again, set "CCC" (data clear) for CMBA Y=10.* **NOTE 4:** *Assigning this command enables a router to recognize the precedence with Diffserv (Differentiated Service) and to control the control packets according to the precedence.* **NOTE 5:** *This command assigns QoS for packets that are sent from a unit which accommodates a SIP trunk to another device to which the SIP trunk is connected.*						
13	FAX Jitter buffer	00 ~ 63	Profile number for control packet	01 ~ 30 NONE◀	10 ms. ~ 300 ms. (Increment Unit: 10 ms.) 150 ms.	CMA7 Y=71

Continued on next page

COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
21	Voice encoding selection precedence for SIP trunk	00 ~ 63	Profile number for control packet	0 1 2 3 4 5 6 7◀	Programmable List Standard Mode 2 Standard Mode 3 Tone Quality Mode 2 Band Mode 2 Tone Quality Mode 1 Band Mode 1 Standard Mode 1	CM8A Y=5XXX: 179 CMA7 Y=71 CMBA Y=22

NOTE 1: *The meanings of the second data are shown below.*

SETTING DATA	MODE	HIGH ← SELECTION PRECEDENCE → LOW		
		1	2	3
0	Programmable List	As per CMBA Y=121	As per CMBA Y=122	As per CMBA Y=123
1	Standard Mode 2	G.711 µ-law (64 Kbps)		
2	Standard Mode 3	G.711 µ-law (64Kbps)	G.711A-law (64Kbps)	–
3	Tone Quality Mode 2	G.711 µ-law (64Kbps)	G.711A-law (64Kbps)	G.729a (8Kbps)
4	Band Mode 2	G.729a (8Kbps)	G.711A-law (64Kbps)	G.711A-law (64Kbps)
5	Tone Quality Mode 1	G.711 µ-law (64Kbps)	G.729a (8Kbps)	–
6	Band Mode 1	G.729a (8Kbps)	G.711 µ-law (64Kbps)	–
7◀	Standard Mode 1	G.711 µ-law (64Kbps, 20ms fixed)		

NOTE 2: *When the voice encoding selection setting differs from that for the opposite SIP trunk, the voice encoding selection may differ in the user's usual SIP trunk setting according to the negotiation when the SIP session is made.*

NOTE 3: *Payload size is set as per CMBA Y=22 when the second data of CMBA Y=21 is set to a value other than "7" (Standard Mode 1).*

Continued on next page

COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
22	Payload size for SIP trunk	00 ~ 63	Profile number for control packet	1 2 3◀	20 ms. 30 ms. 40 ms.	CM8A Y=5XXX: 179 CMBA Y=71 CMBA Y=21
	NOTE 1: *This data is not available when the second data of CMBA Y=21 is set to "7" (default).* **NOTE 2:** *Because the standard payload size for SIP is 20 ms., it is strongly recommended to set the second data to "1".*					
25	Query a DNS server to get the IP Address (RESET)	00 ~ 63	Profile number for control packet	0 1◀	Provide Not provided	CMA7 Y=71 CMBA Y=30
	NOTE 1: *When the second data is set to "0", only the IP Address replied from to a DNS server is used. When the second data is set to "1", the SIP server IP Address assigned by CMBA Y=30 is used.* **NOTE 2:** *Set the second data to "1" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").* **NOTE 3:** *When DNS resolver is used, set the second data to "0".*					
27	Whether to provide Session Refreshment when 18X: provisional response is received again	00 ~ 63	Profile number for control packet	0 1◀	Not provided Provide	CMA7 Y=71
	NOTE: *Set the second data to "1" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					
29	Session Timer refresher kind	00 ~ 63	Profile number for control packet	0 1◀	uas uac	CMA7 Y=71 CMBA Y=56, 83, 88
	NOTE: *Set the second data to "1" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					

Continued on next page

COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
30	SIP server IP Address (RESET)	00 ~ 63	Profile number for control packet	aaabbb cccddd NONE◀	SIP server IP Address aaa : 000-255 bbb: 000-255 ccc : 000-255 ddd: 001-254 No data	CM04 Y=81>0000 CM8A Y=5XXX>179 CMA7 Y=71
	NOTE 1: *This data setting is not required when the IP address for SIP server is determined by DNS.* **NOTE 2:** *For Point-to-Multipoint connection (when CMA7 Y=46 is set to "0"), the IP address assigned by this data depends on the IP address pattern assigned by CM8A Y=5000-5255>167.*					
31	SIP server Port number (RESET)	00 ~ 63	Profile number for control packet	00000 ~ 65534 NONE◀	SIP server Port number 05060	CM8A Y=5XXX>179 CMA7 Y=71
	NOTE 1: *The port number of SIP server is 5060 in general.* **NOTE 2:** *Set the same port numbers to the all ports in a network for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					
32	Representative number (registration number) assignment	00 ~ 63	Profile number for control packet	X ~ X...X NONE◀	Representative No. (Registration No.) (Maximum 16 digits) X: 0-9, A (*), B (#) No data	CM04 Y=81>0012 CM8A Y=5XXX>179 CMA7 Y=71 CMBA Y=44
	NOTE 1: *When connecting to a SIP carrier, assign a Representative number (registration number) specified by the carrier with this command.* **NOTE 2:** *When the second data of CMBA Y=44 is set to "0" or "1", the Representative number (registration number) assigned by this command is used as the calling number.* **NOTE 3:** *No setting is required for a carrier connection using an AoR (Address of Record) User name.*					

Continued on next page

COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
44	Caller ID conversion on SIP trunk call (RESET)	00 ~ 63	Profile number for control packet	00 01 02 03 15◀	Caller ID conversion mode 0 Caller ID conversion mode 1 Caller ID conversion mode 2 Caller ID conversion mode 3 Not provided	CM8A Y=5XXX>176 CMA7 Y=71 CM08>1220
	NOTE 1: *This data is effective when CM08>1220: 0 is assigned.* **NOTE 2:** *For details of Caller ID conversion mode, see Page 3-602.*					
45	Setting of SIP AoR user name with character (RESET)	00 ~ 63	Profile number for control packet	XXX...X NONE◀	SIP AoR user name (Maximum 32 characters) No data	CMA7 Y=71 CMBA Y=46, 47, 54
	NOTE 1: *You can also confirm the SIP AoR user name set by CMBA Y=46/47/54 with this command.* **NOTE 2:** *Keep the second data "NONE" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					
46	Setting of SIP AoR user name with character code (First 12 characters) (RESET)	00 ~ 63	Profile number for control packet	XXX...X NONE◀	SIP AoR user name (24 digits, 12 characters fixed) See Character Code Table in CM77. No data	CMA7 Y=71 CMBA Y=45, 47, 54
	NOTE 1: *A character string into which characters assigned by CMBA Y=46, 47 and 54 are concatenated is used as a SIP AoR user name.* **NOTE 2:** *When the character code to be set is less than the number of digits necessary, add the character code FF.* **NOTE 3:** *You can confirm the user name set by this command with CMBA Y=45.* **NOTE 4:** *Keep the second data "NONE" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					

Continued on next page

COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
47	Setting of SIP AoR user name with character code (Middle 12 characters) RESET	00 ≀ 63	Profile number for control packet	XXX...X	SIP AoR user name (24 digits, 12 characters fixed) ☞ See Character Code Table in CM77.	CMA7 Y=71 CMBA Y=45, 46, 54
				NONE◀	No data	

NOTE 1: *A character string into which characters assigned by CMBA Y=46, 47 and 54 are concatenated is used as a SIP AoR user name.*

NOTE 2: *When the character code to be set is less than the number of digits necessary, add the character code FF.*

NOTE 3: *You can confirm the user name set by this command with CMBA Y=45.*

NOTE 4: *Keep the second data "NONE" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*

Continued on next page

COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

Y=52-99

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
52	DTMF out-band mode for SIP trunk	00 ~ 63	Profile number for control packet	03 NONE◀	Out-band mode (with RFC2833) In-band mode (Voice pass through)	CMA7 Y=71
	NOTE: *This command assigns DTMF mode for sending from a unit in which a SIP Trunk is accommodated to another device to which the SIP trunk is connected.*					
54	Setting of SIP AoR user name with character code (Last 8 characters) (RESET)	00 ~ 63	Profile number for control packet	XXX...X NONE◀	SIP AoR user name (16 digits, 8 characters fixed) See Character Code Table in CM77. No data	CMA7 Y=71 CMBA Y=45-47
	NOTE 1: *A character string into which characters assigned by CMBA Y=46, 47 and 54 are concatenated is used as a SIP AoR user name.* **NOTE 2:** *When the character code to be set is less than the number of digits necessary, add the character code FF.* **NOTE 3:** *You can confirm the user name set by this command with CMBA Y=45.* **NOTE 4:** *Keep the second data "NONE" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					

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COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
55	Setting of SIP trunk identity header (RESET)	00 ~ 63	Profile number for control packet	0 1 2 3 4 5 6 7◀	SIP-URL + tel-URL SIP-URL tel-URL SIP-URL + tel-URL only when the calling number is not informed SIP-URL only when the calling number is not informed tel-URL only when the calling number is not informed Remote-Party-ID only when the calling number is not informed No identity header	CMA7 Y=71
	NOTE: *Set the second data to "7" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					
56	Session Timer method	00 ~ 63	Profile number for control packet	0 1 3◀	UPDATE INVITE Auto	CMA7 Y=71 CMBA Y=29, 83, 88
	NOTE 1: *When the second data is set to 3, the session timer method is decided by the receiving message from the communicated terminal.* **NOTE 2:** *Set the second data to "3" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").* **NOTE 3:** *For a call termination, follow the profile No. assigned by CMA7 Y=71.*					

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COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
70	SIP trunk registration method to the SIP server (RESET)	00 ~ 63	Profile number for control packet	0 3◀	To register the time set by CMBA Y=71 Not registered	CMA7 Y=71 CMBA Y=71
	NOTE 1: *When connecting a SIP carrier, set the second data to 0, because a registration to the SIP server is generally required.* **NOTE 2:** *SIP trunk is re-registered half the time set by CMBA Y=71 to SIP server periodically when the second data is set to "0".* **NOTE 3:** *Set the second data to "3" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					
71	Setting of SIP trunk registration expiry time to the SIP server (RESET)	00 ~ 63	Profile number for control packet	120 ~ 8553600 NONE◀	120 seconds ~ 8553600 seconds (99 days) 3600 seconds (1hour)	CMA7 Y=71 CMBA Y=70
	NOTE 1: *When no registration expiry time is specified by the SIP carrier, assigning this data is not required.* **NOTE 2:** *This data setting is effective only when CMBA Y=70 is set to 0.* **NOTE 3:** *Set the time to cancel the registration after registering SIP trunk with this command to SIP server.* **NOTE 4:** *When the registration has been canceled by SIP server, re-register to SIP server for half the period of time set by this command (in case of 3600 seconds, set 1800 seconds).* **NOTE 5:** *When re-registration from SIP server is not executed during the period of time set by this command after the registration has been canceled by SIP server, call reception from the network to SIP is restricted.* **NOTE 6:** *Keep the second data "NONE" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					
72	Setting of Authentication user name when registering to/receiving from the SIP server with character code (RESET)	00 ~ 63	Profile number for control packet	XXX...X NONE◀	User name (Maximum 32 digits) No data	CMA7 Y=71 CMBA Y=73
	NOTE 1: *You can also confirm the user name set by CMBA Y=73 with this command.* **NOTE 2:** *Keep the second data "NONE" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					

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COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
73	Setting of Authentication user name when registering to/sending from the SIP server with character code (First 12 characters) (RESET)	00 ~ 63	Profile number for control packet	XXX...X NONE◀	User name (24 digits, 12 characters fixed) ☞ See Character Code Table in CM77. No data	CMA7 Y=71 CMBA Y=72, 100, 101
	NOTE 1: *A character string into which characters assigned by CMBA Y=73, 100 and 101 are concatenated is used as an Authentication user name.* **NOTE 2:** *When the character code to be set is less than the number of digits necessary, add the character code FF.* **NOTE 3:** *You can confirm the user name set by this command with CMBA Y=72.* **NOTE 4:** *Keep the second data "NONE" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					
74	Setting of Authentication password when registering to/sending from the SIP server with character code (RESET)	00 ~ 63	Profile number for control packet	XXX...X NONE◀	Password (Maximum 32 digits) No data	CMA7 Y=71 CMBA Y=75
	NOTE 1: *You can also confirm the Authentication password set by CMBA Y=75 with this command.* **NOTE 2:** *Keep the second data "NONE" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					

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COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
75	Setting of Authentication password when registering to/sending from the SIP server with character code (First 12 characters) (RESET)	00 ~ 63	Profile number for control packet	XXX...X NONE◀	Password (24 digits, 12 characters fixed) ☞ See Character Code Table in CM77. No data	CMA7 Y=71 CMBA Y=74, 102, 103
	NOTE 1: *A character string into which characters assigned by CMBA Y=75, 102 and 103 are concatenated is used as an Authentication password.* **NOTE 2:** *When the character code to be set is less than the number of digits necessary, add the character code FF.* **NOTE 3:** *You can confirm the password set by this command with CMBA Y=74.* **NOTE 4:** *Keep the second data "NONE" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					
76	Setting of SIP trunk domain name for SIP-URI with character (RESET)	00 ~ 63	Profile number for control packet	XXX...X NONE◀	Domain name (Maximum 128 characters) No data	CMA7 Y=71
	NOTE: *Keep the second data "NONE" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					
82	Terminating system when recognizing called sub address	00 ~ 63	Profile number for control packet	0 1◀	Station call As per terminating system	CMA7 Y=71
	NOTE: *Set the second data to "1" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					
83	Session Timer providing	00 ~ 63	Profile number for control packet	0 1◀	Not provided To provide	CMA7 Y=71 CMBA Y=29, 56, 88
	NOTE 1: *The second data should be set to "1" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").* **NOTE 2:** *For Point-to-Multipoint connection (when CMA7 Y=46 is set to "0"), unify whether to use the session timer method in a network.*					

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COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
84	Type of Routing (RESET)	00 ~ 63	Profile number for control packet	0 1◀	Strict routing Loose routing	CMA7 Y=71
85	IP address used for SIP-URI (RESET)			0 1◀	IP address set by CM0B Y=1xx>00 (xx=01-50) IP address of SIP server set by CMBA Y=30	CMA7 Y=71
	NOTE 1: *Assign this data when an IP address is used for SIP URI of SIP Trunk (i.e. when no domain name is assigned to the second data of CMBA Y=76).* **NOTE 2:** *For Point-to-Multipoint connection (when CMA7 Y=46 is set to "0"), an IP address (assigned by CM0B Y=1XX>00) is always used regardless of any setting of this second data.*					
86	Identity header of SIP Trunk (RESET)	00 ~ 63	Profile number for control packet	0 1◀	P-Asserted-Identity P-Preferred-Identity	CMA7 Y=71
	NOTE: *Set the second data to "1" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					
87	Stop of No-Answer timer (T1 timer) when receiving first response (100Trying)	00 ~ 63	Profile number for control packet	0 1◀	Not stopped To stop	CMA7 Y=71
	NOTE: *Set the second data to "1" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					
88	Session Timer setting	00 ~ 63	Profile number for control packet	1 ~ 8553600 NONE◀	1 second ~ 8553600 seconds (99 days) 1800 seconds	CMA7 Y=71 CMBA Y=29, 56, 83
	NOTE 1: *This data is effective when CMBA Y=29 is set to "0".* **NOTE 2:** *This data should be set to NONE for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").* **NOTE 3:** *For a terminating call, follow the profile number assigned by CMA7 Y=71.* **NOTE 4:** *When the second data of CMBA Y=29 is set to "0" (uas), follow the session timer value of the profile number assigned by CMA7 Y=71.*					

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COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
90	Timer of response waiting for calling (INVITE transaction time-out timer)	00 ~ 63	Profile number for control packet	00 01 ~ 30 31◀	No Time-out 1-2 seconds ~ 59-60 seconds (1 second increment) 32 seconds	CMA7 Y=71 CM41 Y=0>104
	NOTE 1: *If this timer expires, it is determined as a network failure and an Alternative Routing for a fault occurrence will start.* **NOTE 2:** *For a tandem connection to CCIS, set the second data of this timer to a value smaller than PBR timer value assigned by CM41 Y=0>104.* **NOTE 3:** *For Point-to-Multipoint connection (when CMA7 Y=46 is set to "0"), the second data of this timer should be set to 03.*					
91	Provisional response code when the system receives the incoming call, and starts to call the stations	00 ~ 63	Profile number for control packet	0 1 7◀	183 Session Progress (with SDP) 180 Ringing (with SDP) 180 Ringing (without SDP)	CMA7 Y=71
	NOTE: *The second data should be set to "0" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					

Continued on next page

COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
92	Setting of the display name/user name for From Header	00 ~ 63	Profile number for control packet	0	Display name: SIP AoR User name following CMBA Y=45 User name: SIP AoR User name following CMBA Y=45	CMA7 Y=71 CMBA Y=44-47, 54
				2	Display name: Caller ID following CMBA Y=44 User name: SIP AoR User name following CMBA Y=45	
				3◀	Display name: Caller ID following CMBA Y=44 User name: Caller ID following CMBA Y=44	
	NOTE 1: *Set the second data to "3" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").* **NOTE 2:** *If you want to inform a calling name to the called party, be sure to set the second data of this command to "2" or "3".* **NOTE 3:** *For a carrier connection using an AoR User name, be sure to set the second data to "0" or "2".* **NOTE 4:** *For calling party numbers to be displayed, see* ☞ *Page 3-600*.					
93	Setting of the Fully Qualified Domain Name (FQDN) for SIP server (RESET)	00 ~ 63	Profile number for control packet	XXX...X	Domain name (By entering characters (up to 128))	CMA7 Y=71 CMBA Y=94-96, 99
				NONE◀	No data	
	NOTE: *When the setting of this command is changed, the DNS cache table should be cleared by CMBA Y=99.*					

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COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
97	Error response code when the system receives the incoming call, but all SIP trunks are busy	00 ~ 63	Profile number for control packet	0 1 7◀	480 Temporarily Unavailable 486 Busy Here 503 Service Unavail-able	CMA7 Y=71
	NOTE: *Set the second data to "7" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					
99	Clearing the cache table (RESET)	00 ~ 63	Profile number for control packet	CCC	DNS cache table clearance	CMA7 Y=71
	NOTE: *When an IP address has been cached in the DNS cache table, the IP address cached in the second data is displayed.*					

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COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

Y=100-210

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
100	Setting of Authentication user name when registering to/sending from the SIP server with character code (Middle 12 characters) (RESET)	00 ≀ 63	Profile number for control packet	XXX...X NONE◀	User name (24 digits, 12 characters fixed) ☞ See Character Code Table in CM77. No data	CMA7 Y=71 CMBA Y=72, 73, 101
	NOTE 1: *A character string into which characters assigned by CMBA Y=73, 100 and 101 are concatenated is used as an Authentication user name.* **NOTE 2:** *When the character code to be set is less than the number of digits necessary, add the character code FF.* **NOTE 3:** *You can confirm the user name set by this command with CMBA Y=72.* **NOTE 4:** *Keep the second data "NONE" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					
101	Setting of Authentication user name when registering to/sending from the SIP server with character code (Last 8 characters) (RESET)	00 ≀ 63	Profile number for control packet	XXX...X NONE◀	User name (16 digits, 8 characters fixed) ☞ See Character Code Table in CM77. No data	CMA7 Y=71 CMBA Y=72, 73, 100
	NOTE 1: *A character string into which characters assigned by CMBA Y=73, 100 and 101 are concatenated is used as an Authentication user name.* **NOTE 2:** *When the character code to be set is less than the number of digits necessary, add the character code FF.* **NOTE 3:** *You can confirm the user name set by this command with CMBA Y=72.* **NOTE 4:** *Keep the second data "NONE" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					

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COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
102	Setting of Authentication password when registering to/sending from the SIP server with character code (Middle 12 characters) (RESET)	00 ≀ 63	Profile number for control packet	XXX...X NONE◀	Password (24 digits, 12 characters fixed) ☞ See Character Code Table in CM77. No data	CMA7 Y=71 CMBA Y=74, 75, 103
	NOTE 1: *A character string into which characters assigned by CMBA Y=75, 102 and 103 are concatenated is used as an Authentication password.* **NOTE 2:** *When the character code to be set is less than the number of digits necessary, add the character code FF.* **NOTE 3:** *You can confirm the password set by this command with CMBA Y=74.* **NOTE 4:** *Keep the second data "NONE" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					
103	Setting of Authentication password when registering to/sending from the SIP server with character code (Last 12 characters) (RESET)	00 ≀ 63	Profile number for control packet	XXX...X NONE◀	Password (16 digits, 8 characters fixed) ☞ See Character Code Table in CM77. No data	CMA7 Y=71 CMBA Y=74, 75, 102
	NOTE 1: *A character string into which characters assigned by CMBA Y=75, 102 and 103 are concatenated is used as an Authentication password.* **NOTE 2:** *When the character code to be set is less than the number of digits necessary, add the character code FF.* **NOTE 3:** *You can confirm the password set by this command with CMBA Y=74.* **NOTE 4:** *Keep the second data "NONE" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					
104	Periodical resending of provisional response when receiving to SIP trunk	00 ≀ 63	Profile number for control packet	0 1 3◀	To provide To provide only when 100rel is provided Not provided	CMA7 Y=71

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COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
105	Request provisional responses with reliability (100rel) when sending from SIP trunk	00 ~ 63	Profile number for control packet	0 1 3◀	Available (Supported header and Require header) Available (Supported header) Not available	CMA7 Y=71
106	Response code when the terminating terminal/trunk is busy			0 7◀	503 486	CMA7 Y=71
107	Perform re-registration unconditionally when receiving "authentication error" on the registration (RESET)			0 1◀	To provide unconditionally To provide only when nonce value does not match	CMA7 Y=71
	NOTE: *Set the second data to "1" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					
108	Perform registration even when receiving "Subscriber error", "Authentication error" or "Time-out error" during the registration (RESET)	00 ~ 63	Profile number for control packet	0 1◀	To provide Not provided	CMA7 Y=71
	NOTE: *Set the second data to "1" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					
109	Response when receiving NON-INVITE in IDLE state	00 ~ 63	Profile number for control packet	0 1◀	Not answered To answer with 481	CMA7 Y=71
	NOTE: *Set the second data to "1" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					

Continued on next page

COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
110	Send a signal to require a deletion during a reset setting registration (RESET)	00 ~ 63	Profile number for control packet	0 1◀	To provide Not provided	CMA7 Y=71
	NOTE 1: *When this data is set to "0", if REGSISTER registration request is sent by CMA7 Y=77, the registration of the SIP trunk is disconnected from the SIP server for a moment.* **NOTE 2:** *Set the second data to "1" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					
111	Whether providing an alternative routing when receiving the 486 Busy Here response	00 ~ 63	Profile number for control packet	0 1◀	Not provided To provide	CMA7 Y=71 CM08>372
112	Logic for contact header user field (RESET)			0 1◀	Random As per the setting for User name assigned by CMBA Y=92	CMA7 Y=71
	NOTE: *Set the second data to "1" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					
113	Distinctive Ringing for incoming calls from SIP trunk	00 ~ 63	Profile number for control packet	0 1◀	EXTERNAL INTERNAL	CMA7 Y=71
	NOTE: *To use color-coding for the call indicator lamp, a call is handled as an incoming call from an internal station when the second data is set to "1", while as an incoming call from an external station when the second data is set to "0".*					
114	Require provisional responses with reliability (100rel) when receiving	00 ~ 63	Profile number for control packet	0 1◀	Not required Auto	CMA7 Y=71

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COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
115	Whether providing an alternative routing when receiving the 408 Request Timeout response	00 ~ 63	Profile number for control packet	0 1◀	To provide Not provided	CMA7 Y=71 CM08>372
	NOTE: *Set the second data to "1" for Point-to-Multipoint connection (when CMA7 Y=46 is set to "0").*					
116	Setting of the Host Feild for From Header when the calling number is not informed	00 ~ 63	Profile number for control packet	0 1◀	As per CMBA Y=76/ CMBA Y=85 anonymous.invalid	CMA7 Y=71
117	Addition of "+" for calling number/Deletion of "+" for called number RESET			0 1◀	To provide Not provided	CMA7 Y=71
118	REGISTER resend timer when REGISTER sending fails RESET			1 2 7◀	320 sec. As per CMBA Y=158 60 sec.	CMA7 Y=71 CMBA Y=158
	NOTE: *When setting "REGISTER resend timer when REGISTER sending fails" using this command, set the second data to 1 (320 sec.) or 2 (As per CMBA Y=158).*					

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COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
119	CODEC type of SIP trunk for FAX communication	00 ~ 63	Profile number for control packet	00 01 02 03 06 09 10 11 NONE◀	No FAX mode detection G.711 µ-law (Proprietary procedure, enhanced payload type) G.711 A-law (Proprietary procedure, enhanced payload type) G.726 (Proprietary procedure, enhanced payload type) T.38 UDPTL G.711 µ-law (Proprietary procedure) G.711 A-law (Proprietary procedure) G.726 (Proprietary procedure) CODEC type is not changed for the FAX communication	CMA7 Y=71

NOTE 1: *This command is effective only when CM0B Y=2XX>54 is set to "1".*
NOTE 2: *When the second data is set to NONE, the changeover to the FAX communication from the voice communication using G.729a is not effective.*
NOTE 3: *When detecting FAX communication, G.711 µ-law (Proprietary procedure, enhanced payload type) as CODEC type is recommended.*
NOTE 4: *Keep the 2nd data "NONE" for Point-to-Point connection (when CMA7 Y=46 is set to "1").*

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COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
120	Setting payload size for FAX communication from SIP trunk	00 ~ 63	Profile number for control packet	1 2 3 NONE◀	20 ms. 30 ms. 40 ms. Use payload size same as voice call's one	CMA7 Y=71 CMBA Y=22
	NOTE: *When the second data is set to NONE, the changeover to the FAX communication from the voice communication using G.729a is not allowed.*					
121	CODEC type of SIP Trunk (First priority)	00 ~ 63	Profile number for control packet	01 02 04 NONE◀	G.711 μ-law (64Kbps) G.711 A-law (64Kbps) G.729a (8Kbps) No data	CMA7 Y=71 CMBA Y=21
	NOTE: *This command is effective when CMBA Y=21 is set to 0 (Programmable list).*					
122	CODEC type of SIP Trunk (Second priority)	00 ~ 63	Profile number for control packet	01 02 04 NONE◀	G.711 μ-law (64Kbps) G.711 A-law (64Kbps) G.729a (8Kbps) No data	CMA7 Y=71 CMBA Y=21
	NOTE: *This command is effective when CMBA Y=21 is set to 0 (Programmable list).*					
123	CODEC type of SIP Trunk (Third priority)	00 ~ 63	Profile number for control packet	01 02 04 NONE◀	G.711 μ-law (64Kbps) G.711 A-law (64Kbps) G.729a (8Kbps) No data	CMA7 Y=71 CMBA Y=21
	NOTE: *This command is effective when CMBA Y=21 is set to 0 (Programmable list).*					

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COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
124	Setting of the display name/user name for 'From header' of an initial INVITE when the calling number is not informed.	00 ~ 63	Profile number for control packet	0 1 2 3◀	Display name: representative number following CMBA Y=32, User name: representative number following CMBA Y=32 Display name: Anonymous, User name: representative number following CMBA Y=32 Display name: Anonymous, User name: SIP AoR User Description following CMBA Y=45 Display name: Anonymous, User name: Anonymous	CMA7 Y=71 CMBA Y=32 CMBA Y=45

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COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
126	Selection of reference to Caller ID	00 ~ 63	Profile number for control packet	0 1 3◀	Get Caller ID from the Username field if the Displayname field of the From header of initial INVITE message is blank Get Caller ID from the Username field of the From header of initial INVITE message only Get Caller ID from the Displayname field of the From header of initial INVITE message only	CMA7 Y=71 CMBA Y=170
	NOTE: *Set the second data to "1" to display a calling number and a calling name at the same time.*					
127	Selection of reply for re-INVITE SDP which has unsupported media only	00 ~ 63	Profile number for control packet	0 3◀	Reply with SIP status 488 and maintain session Reply with SIP status 200OK which contains the answer for each media type	CMA7 Y=71
128	Payload type of Out-band DTMF (RFC2833)			001 ~ 127 NONE◀	Payload type 001 ~ Payload type 127 Payload type 101	CMA7 Y=71
132	Whether providing an alternative routing when receiving the 480 Temporarily Unavailable **[9300V3 STEP2]**			0 1◀	Not provided To provide	CMA7 Y=71

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COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
134	Selection of contact address after SIP 407-status	00 ~ 63	Profile number for control packet	0 1◀	Ignore "Contact header" of SIP 407- status Contact to address of "Contact header" of SIP 407-status from next SIP message	CMA7 Y=71
135	Selection of called number			0 1◀	Get called number from "To header" of INVITE message Get called number from Request-Line of INVITE message	CMA7 Y=71 CMBA Y=165
138	SIP trunk Location No.			00 ~ 63 NONE◀	SIP trunk Location No. As per CM0B Y=1XX>10	CMA7 Y=71
	NOTE 1: *When using T.38 FAX communication, assign the SIP trunk Location No. by this data.* **NOTE 2:** *This data is used for T.38 FAX communication only.*					
139	Global IP Address of NAT for Multi-Carrier Connection (RESET)	00 ~ 63	Profile number for control packet	aaabbb cccddd NONE◀	Global IP Address by NAT (12 digits) aaa : 000-255 bbb: 000-255 ccc : 000-255 ddd: 001-254 No data	CMA7 Y=71 CM0B Y=1xx>70
	NOTE: *To assign a Global IP Address for the single carrier connection service, use CM0B Y=1XX>70.*					

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COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
140	Calling party number delimited depending on semicolon of From header	00 ~ 63	Profile number for control packet	0 1◀	Available Not available	CMA7 Y=71
141	Handling of the received REFER message for SIP trunk			0 1◀	Available Not available	CMA7 Y=71
142	Domain name for Request-URI/ To header			0 1◀	Domain name assigned by CMBA Y=76 Domain name assigned by CMBA Y=93	CMA7 Y=71 CMBA Y=76, 93
146	Resend INVITE message to a call before alternative routing because of sending time-out **[9300V3 STEP2]**			0 1◀	To stop To continue	CMA7 Y=71
148	Whether providing an alternative routing when receiving the 503 Service Unavailable **[9300V3 STEP2]**			0 1◀	Not provided To provide	CMA7 Y=71
150	Double quote of qop in the Authorization header field			0 1◀	Not provided To provide	CMA7 Y=71
151	The response message when receiving INVITE no SDP in HOLD state (3PCC support) **[9300V3]**			0 1◀	200 OK (SDP Offer) 200 OK (C=0)	CMA7 Y=71

Continued on next page

COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
157	Setting of from header/ contact header for REGISTER message	00 ~ 63	Profile number for control packet	0 1 7◀	As per CMBA Y=45 As per CMBA Y=32 As per CMBA Y=92	CMA7 Y=71
158	REGISTER resend variable timer when REGISTER sending fails			001 ~ 254 NONE◀	1 minute ~ 254 minutes 3 minutes	CMBA Y=118 CMA7 Y=71
	NOTE: *The resend variable timer is sent by the time added random value (0-30 seconds) for the setting data.*					
159	Caller ID of Identity header RESET	00 ~ 63	Profile number for control packet	0 3◀	Registration No. (Representative No.) As per CM8A Y=5XXX>176 and CMBA Y=44	CMA7 Y=71
160	Caller ID conversion in SIP trunk tandem connection ☞ *Page 3-600*			00 01 02 03 15◀	Caller ID conversion mode 0 Caller ID conversion mode 1 Caller ID conversion mode 2 Caller ID conversion mode 3 Not informed	CMA7 Y=71 CM08>1220 CM8A Y=5xxx>186
170	Selection of reference to caller ID **[9300V4]**			00 15◀	Get caller ID from P-Asserted-Identity header of initial INVITE message. As per CMBA Y=126	CMA7 Y=71 CMBA Y=126
	NOTE: *When both SIP-URI and tel-URI exist, tel-URI takes preference over SIP-URI.*					
177	Setting of username for To Header of REGISTER Message **[9300V5]**	00 ~ 63	Profile No. for Control Packet 00-63	0 1 7◀	As per CMBA Y=45 As per CMBA Y=32 As per CMBA Y=92	

Continued on next page

COMMAND CODE	TITLE:
BA	SIP PROFILE DATA

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
178	Geolocation Header (Dispatchable Location) **[9300V8] [North America Only]**	00 ~ 63	Profile number for control packet	00 01 15◀	As per CMBA Y=179 For Bandwidth.com (https://emergency.bandwidth.com/locations) No Geolocation header	CMA7 Y=71
	NOTE 1: *This data is available from 9300V8 (V8.3.0) software or later.* **NOTE 2:** *To connect to bandwidth.com of carrier (URL: https://emergecy.bandwidth.com/locations/), set the second data to 01.*					
179	Location URI for Geolocation header (Dispatchable Location) **[9300V8] [North America Only]**	00 ~ 63	Profile number for control packet	XXX...X NONE◀	Location URI (1-64 digits) No data	CMA7 Y=71
	NOTE 1: *This data is available from 9300V8 (V8.3.0) software or later.* **NOTE 2:** *This data is effective when the second data of CMBA Y=178 is set to 00. Set this command when connecting to a carrier other than Bandwidth.com.*					
180	Account ID for Geolocation header (Dispatchable Location) **[9300V8] [North America Only]**	00 ~ 63	Profile No. for Control Packet 00-63	XXX...X NONE◀	Account ID (1-32 digits) No data	CMA7 Y=71
	NOTE 1: *This data is available from 9300V8 (V8.3.0) software or later.* **NOTE 2:** *This data is effective when the second data of CMBA Y=178 is set to 01 or 00.*					
210	SIP Connection Type **[9300V9]**	00 ~ 63	Profile No. for Control Packet 00-63	02 15◀	Type C Default Type	CMA7 Y=71
	NOTE 1: *This data is available from 9300V9 (V9.3.0) software or later.*					

COMMAND CODE	TITLE:
BC	SIP CONVERTER/SP350 SERVICE SETTINGS

FUNCTION:

This command is used to assign the data to control SIP Converter and service settings of SP350.

ASSIGNMENT PROCEDURE:

ST + BCYY + DE + 1ST DATA (3/4 digits) + DE + 2ND DATA (1-15 digits) + EXE

DATA TABLE:

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
03	IP address for Presence Server (RESET)	001	Fixed value	XXX.XX...X NONE◀	IP address for Presence Server (Maximum 15 digits) XXX.XXX.XXX.XX X=0.0.0.1-255.255.255.254 No data	
	NOTE: *Set this command when using the Presence Service of SP350.*					
05	Whether the authentication for each call is allowed	1XX	SIP Converter ID XX: 01-50 (1+Unit No.)	0 1◀	Restricted Allowed	CM1D Y=32
	NOTE 1: *For normal operation, be sure to set the second data to "1" (Allowed) to restrict the unauthorized connection.* **NOTE 2:** *The authentication for each call is not provided when the digest authentication is restricted by CM1D Y=32.*					
06	The Type of Service (TOS) field precedence of SIP Converter Control Packet (RESET)	1XX	SIP Converter ID XX: 01-50 (1+Unit No.)	0 ~ 7 NONE◀	PRECEDENCE 0-7 PRECEDENCE 6	CMBC Y=07
	NOTE: *DiffServ Code Point (DSCP) assigned by CMBC Y=07 is ineffective when this command is set.*					

Continued on next page

COMMAND CODE	TITLE:
BC	SIP CONVERTER/SP350 SERVICE SETTINGS

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
07	DiffServ Code Point (DSCP) of SIP Converter Control Packet (RESET)	1XX	SIP Converter ID XX: 01-50 (1+Unit No.)	00 ≀ FE NONE◀	DSCP of control packet No data	CMBC Y=06
	NOTE: *Type of Service (TOS) assigned by CMBC Y=06 is ineffective when this command is set. Clear (CCC) this data to enable TOS field assigned by CMBC Y=06.*					
15	Registration of Standard SIP station without REGISTER (RESET)	XXX ≀ XXXX	Standard SIP station ID without REGISTER XXX-XXXX : 000-1023	XXXX XXXX NONE◀ CCC	Standard SIP station number without REGISTER (1-8 digits) No data Data clear	CM12 Y=97, 98
	NOTE 1: *Whether the Standard SIP station number is available or not can be confirmed by CMFA Y=02.* **NOTE 2:** *Clear this data once when the readout data of CMFA Y=02 is "NONE" (IP Station is logout status/ IP Station has never been busy). Then set this data again.* **NOTE 3:** *When the data for Standard SIP station or CM12 Y=97 is not assigned to the specified station in registering the terminal, "DATA ERROR" is displayed.* **NOTE 4:** *When the terminal is deleted by specifying the Standard SIP station ID while the call is in progress, "WAIT, BUSY NOW" is displayed.* **NOTE 5:** *Standard SIP station without REGISTER can be accommodated only for the Main Unit (Unit01).*					
16	IP Address for Greeting process	000 001	Greeting No. 000 Greeting No. 001	XXX.XX...X NONE◀	IP address of the system for greeting process (Maximum 15 digits) XXX.XXX.XXX.XXX=0.0.0.1-255.255.255.254 No data	CMBC Y=17
	NOTE 1: *This data must be assigned when using Data Conference/Instant Message between SV9300 and SV9500/SV8500/SV7000.* **NOTE 2:** *Greeting List Initialize by CMBC Y=17 is required after setting this data.*					
17	Greeting List Initialize	000	Fixed value	CCC	Greeting List Initialize	CMBC Y=16

COMMAND CODE	TITLE:
D7	OAI CONTROL DATA

FUNCTION:

This command is used to assign the data to control the OAI facility.

PRECAUTION:

When you need to assign the port number of VoIP port of the PBX for OAI, on your computer, assign the number "1024/1025/1039/60030". Do not assign the port number which is used for the other OAI application. Port number assignment for the PBX is required. ☞ See CM0B Y=1XX>30. There is no limitation for the port number of the computer connected to the PBX.

ASSIGNMENT PROCEDURE:

[ST] + D7Y + [DE] + FUNCTION DATA (1-5 digits) + [DE] + DATA (1-4 digits) + [EXE]

DATA TABLE:

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
0	OAI Function Key number for MSF/TMF	F1032 ~ F1047	OAI Function key number 0 ~ OAI Function key number 15 NOTE 1	128 ~ 191	Operation Code for MSF
				192 ~ 255	Operation Code for TMF
				DCX	Digit number of Digit Code (X: 1-3) NOTE 2
				NONE◀	No data
1	Operation Code for MSF	X ~ XXXX	Access Code assigned by CM20 Y=0-3: A084	128 ~ 191	Operation Code for MSF NOTE 3
				NONE◀	No data

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COMMAND CODE	TITLE:
D7	OAI CONTROL DATA

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
2	Voice Response System number for MSF	000 ~ 127	Message number	1XXX	Voice Response system No. XXX: 000-015
	Multi-Connection Announcement service for MSF	100 (Fixed)		1000 (Fixed)	Voice Response System number
				NONE◀	No data
3	Waiting timer for RR signal after starting up MSF/TMF	00	Setting Timer	000◀ 001 002 003 ~ 127	8 seconds (4 seconds increments) 4 seconds 8 seconds 12 seconds ~ 508 seconds
4	Maximum number of terminals to be in terminal mode simultaneously for MSF/TMF	00	Number of terminals to be in MSF mode from a PB Telephone	00◀ ~ 32	Number of terminals
		01	Number of terminals to be in terminal mode/TMF simultaneously per system	00◀ 01 02 03 ~ 30 31 32	32 terminals (2 terminals increments) 2 terminals 4 terminals 6 terminals ~ 60 terminals 62 terminals 63 terminals
5	Office number for OAI	00	–	X ~ XXXX NONE◀	Office No. (Maximum 4 digits) No data

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COMMAND CODE	TITLE:
D7	OAI CONTROL DATA

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
6	Operation code to start up MSF/TMF by dialling a digit code after pressing an OAI function key	X ~ XXX	Digit Code (X: 0-9, #) NOTE 4, NOTE 5	128 ~ 191	Operation Code for MSF NOTE 6
				192 ~ 255	Operation Code for TMF NOTE 6
				NONE◀	No data
7	Chime from Multiline Terminal when receiving RR signal of MSF/TMF	F1032 ~ F1047	OAI Function Key No. 0 ~ OAI Function Key No. 15	00◀ 01	Not sent To send
8	Chime from Multiline Terminal when setting up TMF	00	Chime before sending terminal messages (when pressing OAI Function Key)	00◀ 01	No ring Ring
		02	Chime after sending terminal messages		
	Display of guidance on Multiline Terminal when setting up TMF	01	Display of guidance before sending terminal messages (when pressing OAI Function Key)	00◀ 01	Not displayed To display
		03	Display of guidance after sending terminal messages		

Continued on next page

COMMAND CODE	TITLE:
D7	OAI CONTROL DATA

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
A	AP database of FLF	00	Recognition of AP database by RR message	0◀ 1	To provide Not provided
		01	Omission of AP database for information added to RR message NOTE 7	0◀ 1	Not omitted To omit
	Chime from Multiline Terminal at the time terminal mode is released	0B	Chime sending out at the time (MRFR, MRFI) terminal mode release	0 1◀	No ring Ring
	Chime from Multiline Terminal when MSF is canceled	11	When Terminal Mode is canceled	0◀ 1	Ring No ring
C	IP Address of the ACD application [9300V5]	01	IP Address 1	XXX. XX...X NONE◀	IP Address (Maximum 15 digits) XXX.XXX.XXX.XXX= 0.0.0.1-255.255.255.254 No data
		02	IP Address 2		

NOTE 1: *OAI Function key number is assigned by CM90.*
NOTE 2: *The digit code is assigned by CMD7 Y=6.*
NOTE 3: *The maximum number of operation codes is 16.*
NOTE 4: *Digit number is assigned by CMD7 Y=0.*
NOTE 5: *Do not use * as a digit code.*
NOTE 6: *The maximum number of operation codes is 128.*
NOTE 7: *Setting data for CMD7 Y=A>01 is effective only when CMD7 Y=A>00: 1.*

COMMAND CODE	TITLE:
E0	RESET/INSTANT SYSTEM CHANGEOVER

FUNCTION:

This command allows the maintenance personnel to execute the System Reset, Blade Reset and IPT (P2P CCIS) Reset, Instant System Changeover with the PCPro/CAT.

PRECAUTION:

If the setting data (Month, Day and Time) is different from the current time of the system clock set by CM02, any request to reset the system is not accepted and "DATA ERROR" is displayed.

ASSIGNMENT PROCEDURE:

ST + E0Y + DE + TYPE OF RESET (2/4 digits) + DE + DATA (4/8 digits) + EXE

DATA TABLE:

Y		TYPE OF RESET		SETTING DATA		RELATED COMMAND
No.	MEANING	No.	MEANING	DATA	MEANING	
2	System Reset	2000	CPU Reset	MM DD HH mm	Current time displayed on Multiline Terminal/DESKCON NOTE 1 To request the reset immediately.	CM02
3	Blade Reset	XXZZ	XX: Unit No. (01-50) ZZ : Slot No. (01-18)	XXZZ	XX: Unit No. (01-50) ZZ : Slot No. (01-18) NOTE 2 NOTE 3 NOTE 4	
5	IPT (P2P CCIS) Reset NOTE 5 NOTE 6 NOTE 7 NOTE 8	00	Reset after the IPT (P2P CCIS) installation	MM DD HH mm	Current time displayed on Multiline Terminal/DESKCON NOTE 1 To request the reset immediately.	CM02
		01	Reset while the system is operating			CM02 CMA7 Y=44, 46, 50

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COMMAND CODE	TITLE:
E0	RESET/INSTANT SYSTEM CHANGEOVER

◀: Default

Y		TYPE OF RESET		SETTING DATA		RELATED COMMAND
No.	MEANING	No.	MEANING	DATA	MEANING	
6	Instant System Changeover by manual operation NOTE 9 NOTE 10 NOTE 11 NOTE 12 NOTE 13	XX	XX: Unit No. 01 : Unit01 02-04: Unit02-04	MM DD HH mm	Current time displayed on Multiline Terminal/DESKCON NOTE 1 To request the reset immediately.	CMEC Y=5
9	VoIPDB reset	X Y ZZ	X : 1 (VoIPDB reset) Y : 0 (ACT) 1 (STBY) ZZ : 01-50 (Unit No.) NOTE 14 NOTE 15 NOTE 17	01 ~ 50◀	Unit No.	
C	Reset for Web server	XX	XX: Unit No. 01: Unit01	0 1 2 3◀ 4	Start to reset (Write only) Now executing reset (Read only) Execute Web server: HTTP (Read only) Not executed Web server (Read only) Execute Web server: HTTPS (Read only) [9300V8] NOTE 17 NOTE 18 NOTE 19	

NOTE 1: *For the Data "MMDDHHmm", enter the Month, Date, and Time (hour and minute) of the time, as shown below.*
MM : Month (01 (Jan.)-12 (Dec.))
DD : Date (01-31)
HH : Hour (00-23)
mm : Minute (00-59)

COMMAND CODE	TITLE:
E0	RESET/INSTANT SYSTEM CHANGEOVER

NOTE 2: *Set the same Unit No. and Slot No. assigned by the first data.*

NOTE 3: *"00000000-FFFFFFFF" is displayed as the second data when this command is executed. You can confirm the port status of the blade which is accommodated to the specified slot by this data display.*
00000000: All ports are not in use
Other than 00000000: Ports in use are included.

NOTE 4: *For the blade reset while the system is operating, be sure to check the port status. The blade reset must be executed when all ports are not in use.*

NOTE 5: *Set the CME0 Y=5>00 when setting the new IPT (P2P CCIS) after the IPT (P2P CCIS) installation (this data cannot be used once the reset has been executed by this data).*

NOTE 6: *This data setting has no effect on services other than related to IPT (P2P CCIS) even if the reset (CME0 Y=5>00) is executed after the IPT (P2P CCIS) installation.*

NOTE 7: *Set the CME0 Y=5>01 when changing the commands (CM10 Y=2, CMA7 Y=44, 46, and 50) which require a reset related to IPT (P2P CCIS).*

NOTE 8: *For the reset (CME0 Y=5>01) while the system is operating, the call connected to a line via IPT (P2P CCIS) is not disconnected*

NOTE 9: *By this command, ACT-CPU and STBY-CPU are reset, switched and started.*

NOTE 10: *System data copy should be executed by CMEC Y=5 before System Changeover.*

NOTE 11: *When STBY-CPU is out of order, "HARD WARE ERROR" is displayed.*

NOTE 12: *When System Data Backup is being executed in ACT-CPU, "WAIT, BUSY NOW" is displayed.*

NOTE 13: *When this data is executed for the STBY-CPU under off-line mode, "OK" is displayed even though System Changeover cannot be executed.*

NOTE 14: *After entering the first data, either status of idle or busy is displayed for each of 128 channels.*
0000..0000 ~ FFFF..FFFF (1 port = 1 bit, 0: Idle, 1: Busy)
For the initial request, the entered unit No. is set.

NOTE 15: *If a reset is executed while a busy channel exists, the speech call is disconnected.*

NOTE 16: *For the second data, assign the same unit No. as the first data.*

NOTE 17: *Reading is prohibited for 2nd data=0.*
Writing 2nd data=1-4 results in "SD DATA ERROR."

NOTE 18: *This data setting is invalid for Unit number (02-50).*

NOTE 19: *While the Web server is in reset operation, a message such as WAIT, BUSY NOW will be issued.*

COMMAND CODE	TITLE:
E1	CPU/SPEECH SYNTHESIS MEMORY CHECK SUM DISPLAY

FUNCTION:

This command is used to display Check Sum data on CPU/Speech Synthesis memory. This is only for maintenance.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

- To display Check Sum data on CPU memory

  [ST] + E10 + [DE] + MEMORY AREA No. (01-32) + [DE]

  Check Sum Data: XXXX (4 digits) is displayed.

- To display Check Sum data on Speech Synthesis memory **[9300V3]**

  [ST] + E11 + [DE] + MEMORY AREA No. (01-06) + [DE]

  Check Sum Data: XXXX (4 digits) is displayed.

NOTE: *CME1 Y=1 is valid only in an on-line status and for Unit01.*

COMMAND CODE	TITLE:
E4	STATION SERVICE STATUS DISPLAY

FUNCTION:

This command is used for readout the station service status.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + E4YY + [DE] + STATION NUMBER (1-8 digits) + [DE]

DATA TABLE:

Y		READOUT DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Readout service status A for each station	abcdefgh	a: Terminal connection status 0 : Connected (Multiline Terminal) 1 : Not connected (Multiline Terminal) E: Readout error _ : Off-line/Not available b: Make busy 0 : Not set 1 : Set E: Readout error c: Line status 0 : Idle 1 : Busy E: Readout error _ : Off-line d: Call Forwarding-All Calls 0 : Not set 1 : Set e: Call Forwarding-Busy Line 0 : Not set 1 : Set f : Call Forwarding-No Answer 0 : Not set 1 : Set	

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COMMAND CODE	TITLE:
E4	STATION SERVICE STATUS DISPLAY

Y		READOUT DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Readout service status A for each station	abcdefgh	g: Logout/Call Forwarding 0 : Not set 1 : Set h: Do Not Disturb 0 : Not set 1 : Set E: Readout error	

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COMMAND CODE	TITLE:
E4	STATION SERVICE STATUS DISPLAY

Y		READOUT DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
01	Readout service status B for each station	ijklmnop	i : Mobility Access/Dual Ringing 0 : Mobility Access OFF/Dual Ringing OFF 1 : Mobility Access ON/Dual Ringing OFF 2 : Mobility Access OFF/Dual Ringing ON 3 : Mobility Access ON/Dual Ringing ON _ : Not available	CM11
			j : Day/Night mode change D: Day mode N: Night mode A: Mode A B: Mode B	
			k: Number Sharing 0 : Main station number/Sub station number not for Number Sharing 1 : Main station number for Number Sharing E: Readout error : No connection by CM12 Y=19	CM12 Y=19
			l : Split Call Forwarding-All calls 0 : Not set 1 : Set E: Readout error	
			m:Split Call Forwarding-Busy Line/No Answer 0 : Not set 1 : Set E: Readout error	
			n: ACD/UCD Busy Out 0 : Not set 1 : Set E: Readout error _ : Not registered ACD/UCD group	CM17 Y=0, 2
			o: Outgoing Call Restriction 0 : Not set 1 : Set E: Readout error	

COMMAND CODE	TITLE:
E5	MAKE BUSY FROM PCPro/CAT

FUNCTION:

This command is used to make busy any station, trunk, ISDN line station and destination IP address by the command operation from PCPro/CAT.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

ST + E5Y + DE + MAKE BUSY TARGET (1-10 digits) + DE + DATA (1 digit) + EXE

DATA TABLE:

◀: Default

Y	MAKE BUSY TARGET		SETTING DATA		RELATED COMMAND
	No.	MEANING	DATA	MEANING	
0	X ~ XXXXXXXX	Station number (1-8 digits) NOTE 1	0 1◀	Make busy set In service	CM10
1	000 ~ 511	Trunk number NOTE 2	0 1◀	Make busy set In service	CM10
2	XXXXXXXX , Z	XXXXXXXX: ISDN Line Station number Z: 0 (B1 channel) 1 (B2 channel) NOTE 3	0 1◀	Make busy set In service	CM10
5	XXZZZ	XX : Unit number (01-50) ZZZ: VoIPDB channel (001-128)	0 1◀ 2	Make busy (forced) In service Make busy (after calls finished)	CM0B YYY=2XX>10
6 [9300V3 STEP2]	00 ~ 63	Trunk Route number	0 1◀	Make busy set In service	CM30 Y=00
7 [9300V3 STEP2]	aaabb	aaa: IP Address Pattern number (000-255) bb : IP Address number (00-07)	0 1◀	Make busy set In service	CM5B Y=01 CM8A Y=5XXX>167

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COMMAND CODE	TITLE:
E5	MAKE BUSY FROM PCPro/CAT

NOTE 1: *For a station that is made busy, call termination to the station is restricted, but call origination is available.*
For extension lines on a Multiline Terminal, My Line and Multiline make busy can be set individually, with the same condition as mentioned above.

NOTE 2: *For a trunk that is made busy, the outgoing call is restricted, but on incoming, the call is available.*

NOTE 3: *For the B channel that is made busy, call termination to the ISDN Telephone corresponds with the B channel is restricted, but call origination is available.*

COMMAND CODE	TITLE:
E6	CALL FORWARDING SET/RESET FROM PCPro/CAT

FUNCTION:

This command is used to set/reset Call Forwarding service to each station from a PCPro/CAT.

PRECAUTION:

CME6 can be used for any station irrespective of its state.

ASSIGNMENT PROCEDURE:

[ST] + E6YY + [DE] + STATION No. (1-8 digits) + [DE] + DESTINATION No. (1-31 digits) / CCC (for reset) + [EXE]

DATA TABLE:

◀: Default

Y	MEANING	DESTINATION
00	Call Forwarding-All Calls	• Destination=Extension; X-XXXXXXXX: Station No. (1-8 digits) • Destination=Outside party; X-XXXX + [,] + YY...YY X-XXXX: Outgoing Trunk/LCR Group Access Code (1-4 digits) [,] : Separate Mark YY...YY : Called No. (Maximum 26 digits) • Destination=Attendant; E000 NONE◀: No data
01	Call Forwarding-Busy Line	
02	Call Forwarding-No Answer	
03	Call Forwarding-Busy Line/No Answer	
04	Split Call Forwarding-All Calls	0: Destination for Split Call Forwarding (Block 0)/ATT 1: Destination for Split Call Forwarding (Block 1) 2: Destination for Split Call Forwarding (Block 2) 3: Destination for Split Call Forwarding (Block 3) 4: Destination for Split Call Forwarding (Block 4) 5: Destination for Split Call Forwarding (Block 5) 6: Destination for Split Call Forwarding (Block 6) 7: Destination for Split Call Forwarding (Block 7) 8: Destination for Call Forwarding 9: Destination for Station Speed Dialing (Block 0) NONE◀: No data ☞ See CM78
05	Split Call Forwarding-Busy Line/No Answer	

NOTE: *To reset the Call Forwarding, assign "CCC" to the second data.*

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COMMAND CODE	TITLE:
E6	CALL FORWARDING SET/RESET FROM PCPro/CAT

◀: Default

Y	MEANING	DESTINATION
06	Call Forwarding-Logout (IP Station) Call Forwarding-Not Available (Standard SIP station)	• Destination=Extension; X-XXXXXXXX: Station No. (1-8 digits) • Destination=Outside party; X-XXXX + [,] + YY...YY X-XXXX: Outgoing Trunk Access Code (1-4 digits) [,] : Separate Mark YY...YY : Called No. (Maximum 26 digits) • Destination=Attendant; E000 NONE◀: No data
07	Timing of Call Forwarding-No Answer for a trunk incoming call on a station basis	001: 1 second ~ 120: 120 seconds NONE◀: As per CM41 Y=0>100
08	Timing of Call Forwarding-No Answer for an internal call or an assisted call on a station basis	001: 0-4 seconds ~ (4 seconds increments) 120: 116-120 seconds NONE◀: As per CM41 Y=0>101
50	Trunk number link up with a Mobility Access station number	XX...XX: Mobile phone No. (Maximum 24 digits) (X: 0-9, A (*)) NONE◀: No data
	NOTE 1: *Station number cannot be assigned to second data.* **NOTE 2:** *When the mobile phone number has been already assigned to other station number, "ASSIGNED ALREADY" is displayed.* **NOTE 3:** *Outgoing Trunk Access Code (1-4 digits) must be assigned by CM64 Y=10/14/15/16.* **NOTE 4:** *When the system operates both CME6 Y=50 and CME6 Y=51, set the same number of the 2nd data of CME6 Y=51 as the 2nd data.*	
51	Destination of ISDN Alternative Routing in Remote Unit survival mode (station basis)	• Destination C.O. line number (Maximum 26 digits) NONE◀: No data
	NOTE 1: *When the system operates both CME6 Y=50 and CME6 Y=51, set the same number of the 2nd data of CME6 Y=50 as the 2nd data.* **NOTE 2:** *When 2nd data of CM64 Y=12 is set to "0", the destination is set by this command.*	

COMMAND CODE	TITLE:
E7	PASSWORD LEVEL

FUNCTION:

This command is used to specify the accessible commands for each Password Level.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + E7YY + [DE] + COMMAND CODE (2 digits) + [DE] + DATA (1 digit) + [EXE]

DATA TABLE:

◀: Default

Y		COMMAND CODE	SETTING DATA
No.	PASSWORD LEVEL		
00 01 02 03 04 05 06 10 11 12 13 14 15 16	Password Level 0-6 1-6 2-6 3-6 4-6 5-6 6 0 1 2 3 4 5 6	00-FB (Exclusive of 03, E7, E9)	0 : Allowed 1◀: Restricted
20	To clear all the Password Level settings for all individual commands	00-FB (Exclusive of 03, E7, E9)	1: All Password Levels excluding Level 7 are restricted from assignment of designated command.
21	To clear all the Password Level settings for all commands	00	1: All Password Levels excluding Level 7 are restricted from assignment of all commands.

NOTE: *In case of CME7 Y=20, 21, the data to be set is "1" only.*

COMMAND CODE	TITLE:
E8	UPDATING OF ACCESS BLADE FIRMWARE

FUNCTION:

This command is used to update the Access blade (Line/Trunk blades) firmware by PCPro/CAT operation.

NOTE: *Refer to "PC Programming Manual" for the access blade firmware update.*

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + E8Y + [DE] + 1ST DATA (4 digits) + [DE] + 2ND DATA (1-6 digits) + [EXE]

COMMAND CODE	TITLE:
E8	UPDATING OF ACCESS BLADE FIRMWARE

DATA TABLE

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
0	Firmware download	XX ZZ	XX: Unit number (01-50) ZZ : Slot number (01-18)	XX	Input data when executing download XX: Firmware type to download (same for the second data of CM05 Y=0)	
	Read the status of firmware download			XX YY ZZ	Readout data of firmware when operating XX: Firmware type (Same as second data of CM05 Y=0) YY: Firmware version on the blade ZZ : Firmware version of the blade supplied with the basic software	CM05 Y=0
	NOTE 1: *The appropriate access blade is reset when executing download, then the firmware update starts. The cycle of the Live LED becomes special cycle during updating.* **NOTE 2:** *After the firmware update is completed, the access blade is reset automatically and activated.* **NOTE 3:** *Refer to the "PC Programming Manual" for the operating procedure to update the blade firmware program.* **NOTE 4:** *When no data is set for CM05 Y=0 or no blade is installed, ERROR is displayed.*					
2	Read the status of firmware download	XX ZZ	XX: Unit number (01-50) ZZ : Slot number (01-18)	FFFF 00FF◀	Download is completed (normal end) Not yet performed	CM05 Y=0

Continued on next page

COMMAND CODE	TITLE:
E8	UPDATING OF ACCESS BLADE FIRMWARE

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
3	Readout of VoIPDB Firmware information	10 XX 11 XX	XX: Unit No. of ACT-CPU (01-50) XX: Unit No. of STBY-CPU 01: Unit01 02-04: Unit02-04	00 01 02	Same as the Main software Older than the Main software (download is necessary) Later than the Main software	
	VoIPDB Firmware download			XX	XX: Unit No. (01-50)	

NOTE 1: *This data is effective only online.*

NOTE 2: *When a download is performed using this data, a VoIPDB Firmware is downloaded from the ACT program.*

NOTE 3: *When "01" (Older than Main software (Necessary to download)) is displayed on LCD, update the VoIPDB firmware.*

NOTE 4: *When VoIPDB is not accommodated, or VoIPDB is offline, "HARDWARE ERROR" is displayed on LCD by reading out the VoIPDB firmware.*

NOTE 5: *During updating VoIPDB firmware, "WAIT, BUSY NOW" is displayed on LCD, and the cycle of the "S2" LED on the CPU blade becomes special cycle (480IPM).*

NOTE 6: *By CAT or PCPro connected to Unit01, VoIPDB firmware of all units can be downloaded.*
By PCPro connected to Unit02-50, VoIPDB firmware cannot be downloaded, and then "CM CODE NOT ALLOWED" is displayed on LCD.

NOTE 7: *After the VoIPDB firmware update is completed, VoIPDB is reset automatically, and activated the updated VoIPDB firmware.*

Continued on next page

COMMAND CODE	TITLE:
E8	UPDATING OF ACCESS BLADE FIRMWARE

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
5	Read the status of VoIPDB firmware download	10 XX 11 XX	XX: Unit No. (01-50) XX: Unit No. of STBY-CPU for Dual CPU 01: Unit01 02-04: Unit02-04	FFFFFF 00FFFF	Download is completed (normal end) Not yet performed.	

NOTE 1: *This data is effective only online*

NOTE 2: *When VoIPDB is not accommodated, "HARDWARE ERROR" is displayed on LCD by reading out the VoIPDB firmware.*

NOTE 3: *By CAT or PCPro connected to Unit01, VoIPDB firmware of all units can be read out.*
By PCPro connected to Unit02-50, VoIPDB firmware cannot be read out, and then "CM CODE NOT ALLOWED" is displayed on LCD.

COMMAND CODE	TITLE:
E9	PASSWORD

FUNCTION:

This command is used to define the Password of each Password Level and the availability of Password Service.

PRECAUTION:

(1) When programming a Password, the Password for Password Level 7 must be set. If no Password of Password Level 7 is set, the programming of Password Service provision (CME9>9) is restricted with the message "CODE NOT USED". **NOTE**

(2) Before setting the Password, CME9>8 (Change of Password) must be set to 0 (Allowed).

(3) CME9>9 (Password Service) must be set to 0 (Provided) after programming of all Passwords are completed.

ASSIGNMENT PROCEDURE:

ST + E9 + DE + 1ST DATA (1 digit) + DE + 2ND DATA (1/8 digits) + EXE

DATA TABLE:

◀: Default

1ST DATA		2ND DATA		REMARKS
		DATA	MEANING	
0 ~ 7	Password Level 0 ~ Password Level 7	X ~ XXXXXXXX CCC NONE◀	Password (Maximum 8 digits) Password clear No data	Following Passwords are not available: "CC...C" (All "C") "FF...F" (All "F")
8	Change of Password	0◀ 1	Allowed Restricted	
9	Password Service	0 1◀	Provide No provided	

NOTE: *Password Level 7 can access all commands.*

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

FUNCTION:

This command is used for fault maintenance of the PBX. The functions of this command are outlined below:

- Storing fault information into the Fault Store Memory upon occurrence of a fault.
- Display of the stored fault information
- Control of the external alarm upon occurrence of a fault

PRECAUTION:

(1) In CMEA Y=0, the fault information is automatically displayed when [DE] is pressed after entering first data 00.

(2) See Fault Information Display in the following pages for details on how to read the fault information.

(3) When entering data with characters, the following characters can be registered;
Alphabet upper case (A-Z), alphabet lower case (a-z), numeric (0-9), symbol (! " # $ % & ' ( ) + , ; < = > ? @ [ ] ^ _ ' { } ~), Space, hyphen (-), period (.), slash (/), colon (:)

NOTE: *The character "CCC" cannot be registered.*

ASSIGNMENT PROCEDURE:

[ST] + EAY + [DE] + 1ST DATA (1-3 digits) + [DE] + 2ND DATA (1-8 digits) + [EXE]

DATA TABLE:

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
0	Fault information display (Only display) ☞ Page 3-761	0 ~ 9 F	The newest fault information (0-9) stored in Fault Information Memory **NOTE 1** Fault information all clear **NOTE 4**	–	–	

Continued on next page

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
1	Clear External Alarm Kind (MJ/MN)	00	Clear all of MJ/MN /– – alarms	00 01 10 11 CCC	MJ alarms OFF/MN alarms OFF (Only display) MJ alarms OFF/MN alarms ON (Only display) MJ alarms ON/MN alarms OFF (Only display) MJ alarms ON/MN alarms ON (Only display) Alarm Clear	
2	Fault information and external alarm (Only display)	Fault Kind: Occurrence				
		001	System reset NOTE 1	0 ~ 3◀	External Alarm Kind 0: Fault Memory store/No output of External Alarm 1: Fault Memory store/External Alarm is MN alarm 2: Fault Memory store/External Alarm is MJ alarm 3:Fault Memory store/No output of External Alarm	CM08>450 CM42>01

Continued on next page

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
2	Fault information and external alarm (Only display)	002	Serious failure B [9300V6]	0 ~ 3◀	External Alarm Kind 0: Fault Memory store/No output of External Alarm 1: Fault Memory store/External Alarm is MN alarm 2: Fault Memory store/External Alarm is MJ alarm 3: No Fault Memory store/No output of External Alarm	CM08>450 CM42>01
		016	It is a day for periodic maintenance			
		017	Activation Code error occurred during the License Activation (Center Activation)			
		021	ISDN D-channel link connection failure			
		022	CCT link connection failure NOTE 2			
			P2P-CCIS link connection failure NOTE 2			
		025	Number of lockout stations was more than predetermined number NOTE 3			
		026	Terminal Disconnected			
		028	SMDR output buffer (SRAM) exceeded 80 %			
		029	SMDR output buffer (SRAM) overflow			
		02C	LAN application fault occurred NOTE 4			
		040	Traffic of IP network exceeded limit bandwidth			
		041	Traffic of IP network exceeded warning bandwidth			
		042	Communication error occurrence between Main Unit and Remote Unit NOTE 5			

Continued on next page

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
2	Fault information and external alarm (Only display)	043	SIP trunk failure	0 ~ 3◀	External Alarm Kind 0: Fault Memory store/No output of External Alarm 1: Fault Memory store/External Alarm is MN alarm 2: Fault Memory store/External Alarm is MJ alarm 3: No Fault Memory store/No output of External Alarm	CM08>450 CM42>01
		048	Remote System Upgrade			
		04A	Long call duration information NOTE 6			
		061	VoIPDB Startup Process is failure NOTE 7		External Alarm Kind 0: No Fault Memory store/No output of External Alarm 1: Fault Memory store/External Alarm is MN alarm 2: Fault Memory store/External Alarm is MJ alarm 3: Fault Memory store/No output of External Alarm	
		062	Firmware version un-matching between CPU blade and VoIPDB NOTE 8			

Continued on next page

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
2	Fault information and external alarm (Only display)	064	User operation failure of User Web Portal NOTE 9	0 ~ 3◀	External Alarm Kind 0: Fault Memory store/No output of External Alarm 1: Fault Memory store/External Alarm is MN alarm 2: Fault Memory store/External Alarm is MJ alarm 3: No Fault Memory store/No output of External Alarm	
		065	Web server failure NOTE 10		External Alarm Kind 0: No Fault Memory store/No output of External Alarm 1: Fault Memory store/External Alarm is MN alarm 2: Fault Memory store/External Alarm is MJ alarm 3: Fault Memory store/No output of External Alarm	
		066	Malicious Call List Overflow [9300V3]			

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COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
2	Fault information and external alarm (Only display)	100	Power failure	0 ~ 3◀	External Alarm Kind 0: Fault Memory store/No output of External Alarm 1: Fault Memory store/External Alarm is MN alarm 2: Fault Memory store/External Alarm is MJ alarm 3: Fault Memory store/No output of External Alarm	
		102	DTI line failure		External Alarm Kind 0: Fault Memory store/No output of External Alarm 1: Fault Memory store/External Alarm is MN alarm 2: Fault Memory store/External Alarm is MJ alarm 3: No Fault Memory store/No output of External Alarm	CM08>450 CM42>01
		104	Blade down			
		106	Blade reset with CME03			
		107	Lack of option value			
		108	Lack of Highway Channel			
		109	Auto Blade Reset by TDM Blade Lockup			
		10A	CPU SRAM failure NOTE 11, NOTE 12			

Continued on next page

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
2	Fault information and external alarm (Only display)	10B	Restricted blade	0 ~ 3◀	External Alarm Kind 0: Fault Memory store/No output of External Alarm 1: Fault Memory store/External Alarm is MN alarm 2: Fault Memory store/External Alarm is MJ alarm 3: Fault Memory store/No output of External Alarm	CM08>450 CM42>01
		10C	Firmware version un-matching between CPU blade and Line/ Trunk blade			
		10D	Lack of Highway Channel for data communication		External Alarm Kind 0: Fault Memory store/No output of External Alarm 1: Fault Memory store/External Alarm is MN alarm 2: Fault Memory store/External Alarm is MJ alarm 3: No Fault Memory store/No output of External Alarm	

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COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
2	Fault information and external alarm (Only display)	10E	Illegal use of CPU blade for Remote Unit only	0 ~ 3◀	External Alarm Kind 0: Fault Memory store/No output of External Alarm 1: Fault Memory store/External Alarm is MN alarm 2: Fault Memory store/External Alarm is MJ alarm 3: Fault Memory store/External Alarm is MN alarm	CM08>450 CM42>01
		110	Communication error occurrence between active CPU and stand by CPU		External Alarm Kind 0: Fault Memory store/No output of External Alarm 1: Fault Memory store/External Alarm is MN alarm 2: Fault Memory store/External Alarm is MJ alarm 3: No Fault Memory store/No output of External Alarm	

Continued on next page

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
2	Fault information and external alarm (Only display)	112	Expansion Chassis (2U) failure	0 ~ 3◀	External Alarm Kind 0: Fault Memory store/No output of External Alarm 1: Fault Memory store/External Alarm is MN alarm 2: Fault Memory store/External Alarm is MJ alarm 3: Fault Memory store/No output of External Alarm	CM08>450 CM42>01
		114	Automatic module reset due to Expansion Chassis (2U) lockup			
		115	Automatic system reset due to Expansion Chassis (2U) lockup			
		116	All blades lockup in Expansion Chassis (2U)			
		119	Remote Unit failure NOTE 18		External Alarm Kind 0: No Fault Memory store/No output of External Alarm 1: Fault Memory store/External Alarm is MN alarm 2: Fault Memory store/External Alarm is MJ alarm 3: Fault Memory store/No output of External Alarm	

Continued on next page

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
2	Fault information and external alarm (Only display)	11A	Communication error occurrence between Primary Unit and Secondary Unit	0 ~ 3◀	External Alarm Kind 0: Fault Memory store/No output of External Alarm 1: Fault Memory store/External Alarm is MN alarm 2: Fault Memory store/External Alarm is MJ alarm 3: No Fault Memory store/No output of External Alarm	CM08>450 CM42>01
		11C	Internal BUS failure on CPU Blade		External Alarm Kind 0: Fault Memory store/No output of External Alarm 1: Fault Memory store/External Alarm is MN alarm 2: Fault Memory store/External Alarm is MJ alarm 3: Fault Memory store/No output of External Alarm	

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COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
2	Fault information and external alarm (Only display)	11D	Power ON/OFF by Multiline Terminal Power Saving	0 ~ 3◀	External Alarm Kind 0: No Fault Memory store/No output of External Alarm 1: Fault Memory store/External Alarm is MN alarm 2: Fault Memory store/External Alarm is MJ alarm 3: Fault Memory store/No output of External Alarm	CM08>450 CM42>01
		11E	Restriction of Remote Maintenance via built-in modem NOTE 13			
		11F	Automatic system reset due to System Failure [9300V3]			
		124	VoIPDB failure			
		125	VoIPDB notification			
		127	CPU failure [9300V6]			
		12B	Standard SIP Terminal Disconnected [9300V3 STEP2] NOTE 19, NOTE 20		External Alarm Kind 0: Fault Memory store/No output of External Alarm 1: Fault Memory store/External Alarm is MN alarm 2: Fault Memory store/External Alarm is MJ alarm 3: No Fault Memory store/No output of External Alarm	
		12D	LAN Cable Disconnected [9300V3 STEP2] NOTE 21			

Continued on next page

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
2	Fault information and external alarm (Only display)	130	System Resource failure **[9300V3]**	0 ~ 3◀	External Alarm Kind 0: No Fault Memory store/No output of External Alarm 1: Fault Memory store/External Alarm is MN alarm 2: Fault Memory store/External Alarm is MJ alarm 3: Fault Memory store/No output of External Alarm	CM08>450 CM42>01
		132	IP Network failure **[9300V6]**		External Alarm Kind 0: Fault Memory store/No output of External Alarm 1: Fault Memory store/External Alarm is MN alarm 2: Fault Memory store/External Alarm is MJ alarm 3: No Fault Memory store/No output of External Alarm	

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COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
2	Fault information and external alarm (Only display)	134	Login lock by Brute-force Login Attempt **[9300V7]**	0 ~ 3◀	External Alarm Kind 0: No Fault Memory store/No output of External Alarm 1: Fault Memory store/External Alarm is MN alarm 2: Fault Memory store/External Alarm is MJ alarm 3: Fault Memory store/No output of External Alarm	CM08>450
		136	Scam Call detected **[9300V7]**			

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COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
2	Fault information and external alarm (Only display)	Fault Kind: Restoration				
		031	ISDN D-channel link connection returned to normal condition	0 ~ 3◀	External Alarm Kind 0: Fault Memory store/No output of External Alarm 1: Fault Memory store/External Alarm is MN alarm 2: Fault Memory store/External Alarm is MJ alarm 3: No Fault Memory store/No output of External Alarm	CM08>450 CM42>01
		032	CCT link connection returned to normal condition NOTE 14			
			P2P-CCIS link connection returned to normal condition NOTE 14			
		035	Number of lockout stations re stored to less than predetermined number NOTE 15			
		036	Terminal Connected			
		038	SMDR output buffer (SRAM) return to normal condition from 80 % condition			
		039	SMDR output buffer (SRAM) return to normal condition from overflow			
		03C	LAN application returned to normal condition NOTE 4			
		050	Traffic of IP network returned to normal condition from limit bandwidth excess			
		051	Traffic of IP network returned to normal condition from warning bandwidth excess			
		052	Communication error restoration between Main Unit and Remote Unit NOTE 5			

Continued on next page

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
2	Fault information and external alarm (Only display)	053	SIP trunk returned to normal condition	0 ~ 3◀	External Alarm Kind 0: Fault Memory store/No output of External Alarm 1: Fault Memory store/External Alarm is MN alarm 2: Fault Memory store/External Alarm is MJ alarm 3: No Fault Memory store/No output of External Alarm	CM08>450 CM42>01
		101	Power failure returned to normal condition		External Alarm Kind 0: Fault Memory store/No output of External Alarm 1: Fault Memory store/External Alarm is MN alarm 2: Fault Memory store/External Alarm is MJ alarm 3: Fault Memory store/No output of External Alarm	

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COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
2	Fault information and external alarm (Only display)	103	DTI line returned to normal condition	0 ~ 3◀	External Alarm Kind 0: Fault Memory store/No output of External Alarm 1: Fault Memory store/External Alarm is MN alarm 2: Fault Memory store/External Alarm is MJ alarm 3: No Fault Memory store/No output of External Alarm	CM08>450 CM42>01
		105	Blade returned to normal condition			
		111	Communication error restoration between active CPU and stand by CPU			
		113	Expansion Chassis (2U) failure returned to normal condition		External Alarm Kind 0: Fault Memory store/No output of External Alarm 1: Fault Memory store/External Alarm is MN alarm 2: Fault Memory store/External Alarm is MJ alarm 3: Fault Memory store/No output of External Alarm	

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COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
2	Fault information and external alarm (Only display)	11B	Communication error restoration between Primary Unit and Secondary Unit	0 ~ 3◀	External Alarm Kind 0: Fault Memory store/No output of External Alarm 1: Fault Memory store/External Alarm is MN alarm 2: Fault Memory store/External Alarm is MJ alarm 3: No Fault Memory store/No output of External Alarm	CM08>450 CM42>01
		12C	Standard SIP Terminal Connected **NOTE 19**			
		12E	LAN Cable Connected **NOTE 22**			
		133	IP Network failure returned to normal condition **[9300V6]**			
		135	Login lock returned to normal condition **[9300V7]**		External Alarm Kind 0: No Fault Memory store/No output of External Alarm 1: Fault Memory store/External Alarm is MN alarm 2: Fault Memory store/External Alarm is MJ alarm 3: Fault Memory store/No output of External Alarm	CM08>450
		137	Scam Call detection returned to normal condition **[9300V7]**			

Continued on next page

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
6	Fault log/Call log collection on VoIP call	00	Output destination for the fault logs/call logs NOTE 16	2 3◀	RS port of CPU Not output	CM40 Y=00
		01	Display the call logs that are collected in the CPU (Only Display) or clear the logs	0 1 CCC	Logs are not collected Logs are collected Log clear	
		02	Collection method of fault logs/call logs	0 1◀	Not overwritten Over write	
		10	Whether fault logs are collected when the IP Stations login to the system or the VoIPDB is in online status	0 1◀	To collect Not collected	
		11	Terminals/VoIPDB to collect fault logs NOTE 17	X-XXXX XXXX DDXX ZZZ	IP Station No. XX : Unit No. (01-50) ZZZ : VoIPDB Channel No. (001-128)	

Continued on next page

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

NOTE 1 : *Even if the external alarm is set as MN or MJ alarm for system reset (1st data=01), no alarm is output in the case of Power On, Reset key operated, reset from the PCPro/CAT, and reset by CPU SENS switch selection.*

NOTE 2 : *When the link connection failure to CCT occurs, the fault message "CCT link connection failure" is displayed. When the link connection failure to P2P-CCIS occurs, the fault message "P2P-CCIS link connection failure" is displayed.*

NOTE 3 : *The External Alarm Kind for "Number of lockout stations was more than predetermined number" is fixed as MN. In the case of this office data, even if the 2nd data is set to 0/1/2/3, it simply means the fault information is to be registered into Fault Memory. In this case, External Alarm Kind cannot be changed.*

NOTE 4 : *The fault information of the fault kind No, 02C/03C is also registered to the CPU blade when the OAI fault occurs/the OAI fault is restored. The OAI fault contents that are registered to the MP card as follows.*

- *Fault Kind 02C (LAN application fault occurrence)*
  - *(a) ABOUT/RLRQ (U-ABOUT/RLRQ received)*
  - *(b) Fault detection by health check (health check IP T.O)*
- *Fault Kind 03C (LAN application returned to normal condition)*
  - *(a) Association is established (AARQ received)*

NOTE 5 : *Confirm the following fault information, when you check Remote Unit operations by survival mode as fault information from PCPro/CAT in Remote UNIT over IP.*

042: Communication error occurrence between Main Unit and Remote Unit
052: Communication error restoration between Main Unit and Remote Unit

"Communication error occurrence between Main Unit and Remote Unit" (Fault occurrence kind No. 042) is registered to the CPU blade of Main Unit after the predetermined time set by CM0B Y=1XX>80.

Remote Unit on survival mode checks at every 30 seconds if the communications to Main Unit are possible. When the Remote Unit regards that the communications are possible, "Communication error restoration between Main Unit and Remote Unit" (Fault occurrence kind No. 052) is registered to the CPU blade of Main Unit after the predetermined time set by CM0B Y=1XX>80.

Continued on next page

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

NOTE 6 : *About long call duration of trunk call (fault kind: 04A)*

- *When Long call duration failure occurs, "Failure occurred" is displayed on the PCPro.*
- *After a trunk is seized, when the trunk is seized longer time than the monitoring time (1-60 hours) set by CM42>182, the call is registered as long call duration failure. However, there is a tolerance up to 30 minutes between monitoring time set by office data and actual time to be registered.*

NOTE 7 : *This data is effective when the 2nd data of CMEA Y=2>124 is set to 0 (No Fault Memory store/No output of External Alarm).*

NOTE 8 : *This data is effective when the 2nd data of CMEA Y=2>125 is set to 0 (No Fault Memory store/No output of External Alarm).*

NOTE 9 : *Register the following failures with their detailed information as below.*
- Login failure (5 times continuous failure by the same session)
Detailed information: User ID of the latest failure, IP address

NOTE 10 : *Register the following failure with its detailed information as below.*
- Session timeout/Fatal error in the server (Socket Error)
Detailed information: User ID, IP address

NOTE 11 : *When SRAM memory is unsettled at the time that the system is started up, this fault information can be output. (The SMDR data in SRAM memory cannot be guaranteed to save when the system is power-off for over a week, because the battery of SRAM runs down about a week later.)*

NOTE 12 : *Failure cannot be judged correctly when SRAM data all clear by CM00>02 is never executed.*

NOTE 13 : *Fault kind No. 11E is registered when restricted remote access from unassigned Calling party No. while setting remote maintenance restriction by Calling party No., or restricted remote access while setting remote maintenance restriction by user operation.*
(related command: CMEC Y=B, CM35 Y=319, CM40 Y=10>2, CM41 Y=0>165, CM90 Y=00: F1364)

NOTE 14 : *When the link connection failure to CCT is restored, the restoration message "CCT link connection returned to normal condition" is displayed. When the link connection failure to P2P-CCIS is restored, the restoration message "P2P-CCIS link connection returned to normal condition" is displayed.*

Continued on next page

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

NOTE 15: *The External Alarm Kind for "Number of lockout stations was less than predetermined number" is fixed to No Alarm. In the case of this office data, even if the 2nd data is set to 0/1/2/3, it simply means that the fault information is to be registered into Fault Memory. In this case, External Alarm Kind cannot be changed.*

NOTE 16: *Set the output port for fault logs/call logs by CM40 Y=00.*

NOTE 17: *When reading this data, second data 1 is displayed normally.*

NOTE 18: *When a system changeover (CPU0/CPU1) occurs in Unit02-04, the fault information is registered on the ACT-CPU in Unit01.*

NOTE 19: *The conditions for detecting Standard SIP Terminal disconnection/connection are as follows.*

- *Disconnection detection: When the periodic registration timer of connected Standard SIP Terminal is timed out.*
  : When log out operation is performed with a connected Standard SIP Terminal (the availability of operation depends on the specification of the Standard SIP Terminal).
  : When a connected Standard SIP Terminal is re-started.
- *Connection detection : When the registration of Standard SIP Terminal is completed.*

NOTE 20: *For a Standard SIP Terminal which does not perform REGISTER registration, the fault information for a detected Standard SIP Terminal connection is registered into the Fault Store Memory when a system is started up.*

NOTE 21: *It takes up to two seconds to detect a status change of LAN cable connection. Therefore, a momentary breakdown of LAN cable may not be detected and the fault information may not be registered.*

NOTE 22: *At the completion of system reset, the fault code 12E is registered only when the LAN cable is being connected. The fault code 12D is not registered when the LAN cable is not connected.*

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

■ Fault Information Display

After the following operation:

[ST] + EA0 + [DE] + 00 + [DE]

The fault information is displayed on PCPro/CAT. An example of fault information display is provided below:

		CAT mode	
	ST	COMMAND=	
EA0 +	DE	EA0>_	
0 +	DE	EA0>0: XXXXXXXXXXXXXXXX-	Fault Information 0
	S	EA0>1: XXXXXXXXXXXXXXXX-	Fault Information 1
	S	EA0>2: XXXXXXXXXXXXXXXX-	Fault Information 2
	S	EA0>3: XXXXXXXXXXXXXXXX-	Fault Information 3
	S	EA0>4: XXXXXXXXXXXXXXXX-	Fault Information 4
	S	EA0>5: XXXXXXXXXXXXXXXX-	Fault Information 5
	S	EA0>6: XXXXXXXXXXXXXXXX-	Fault Information 6
	S	EA0>7: XXXXXXXXXXXXXXXX-	Fault Information 7
	S	EA0>8: XXXXXXXXXXXXXXXX-	Fault Information 8
	S	EA0>9: XXXXXXXXXXXXXXXX-	Fault Information 9

(1) (2)

EA0>0: XXXXXXXXXXXXXXXX-

For details of (1), (2), see next page.

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

EXPLANATION OF SCREEN INFORMATION

1: Date and Time of Fault Occurrence and Restoration
2: Fault Kind No./Restoration Kind No.

FAULT KIND NUMBER	FAULT CONTENT
001	System reset
002	Serious failure B
016	It is a day for periodic maintenance
017	Activation Code error occurred during the License Activation (Center Activation)
021	ISDN D-channel link connection failure
022	CCT link connection failure NOTE
	P2P-CCIS link connection failure NOTE
025	Number of lockout stations was more than predetermined number
026	Terminal Disconnected
028	SMDR output buffer (SRAM) exceeded 80 %
029	SMDR output buffer (SRAM) overflow
02C	LAN application fault occurred
040	Traffic of IP network exceeded limit bandwidth
041	Traffic of IP network exceeded warning bandwidth
042	Communication error occurrence between Main Unit and Remote Unit
043	SIP trunk failure
048	Remote System Upgrade
04A	Long call duration information
061	VoIPDB Startup Process is failure
062	Firmware version un-matching between CPU blade and VoIPDB
064	User operation failure of User Web Portal
065	Fatal failure of User Web Portal
066	Malicious Call List Overflow
100	Power failure

Continued on next page

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

FAULT KIND NUMBER	FAULT CONTENT
102	DTI line failure
104	Blade down
106	Blade reset with CME03
107	Lack of option value
108	Lack of Highway Channel
109	Auto Blade Reset by TDM-Blade Lockup
10A	CPU SRAM failure
10B	Restricted blade
10C	Firmware version un-matching between CPU blade and Line/Trunk blade
10D	Lack of Highway Channel for data communication
10E	Illegal use of CPU blade for Remote Unit only
110	Communication error occurrence between active CPU and stand by CPU
112	Expansion Chassis (2U) failure
114	Automatic module reset due to Expansion Chassis (2U) lockup
115	Automatic system reset due to Expansion Chassis (2U) lockup
116	All blades lockup in Expansion Chassis (2U)
119	Remote Unit failure
11A	Communication error occurrence between Primary Unit and Secondary Unit
11C	Internal BUS failure on CPU Blade
11D	Power ON/OFF by Multiline Terminal Power Saving
11E	Restriction of Remote Maintenance via built-in modem
11F	Automatic system reset due to System Failure
124	VoIPDB failure
125	VoIPDB notification
127	CPU failure

Continued on next page

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

FAULT KIND NUMBER	FAULT CONTENT
12B	Standard SIP Terminal Disconnected
12D	LAN Cable Disconnected
130	System Resource failure
132	IP Network failure
134	Login lock by Brute-force Login Attempt
136	Scam Call detected

NOTE: *When the link connection failure to CCT occurs, the fault message "CCT link connection failure" is displayed. When the link connection failure to P2P-CCIS occurs, the fault message "P2P-CCIS link connection failure" is displayed.*

COMMAND CODE	TITLE:
EA	FAULT INFORMATION STORE/DISPLAY FUNCTIONS

RESTORATION KIND NUMBER	RESTORATION CONTENT
031	ISDN D-channel link connection returned to normal condition
032	CCT link connection returned to normal condition **NOTE**
	P2P-CCIS link connection returned to normal condition **NOTE**
035	Number of lockout stations restored to less than predetermined number
036	Terminal Connected
038	SMDR output buffer (SRAM) return to normal condition from 80 % condition
039	SMDR output buffer (SRAM) return to normal condition from overflow
03C	LAN application returned to normal condition
050	Traffic of IP network returned to normal condition from limit bandwidth excess
051	Traffic of IP network returned to normal condition from warning bandwidth excess
052	Communication error restoration between Main Unit and Remote Unit
053	SIP trunk returned to normal condition
101	Power failure returned to normal condition
103	DTI line returned to normal condition
105	Blade returned to normal condition
111	Communication error restoration between active CPU and stand by CPU
113	Expansion Chassis (2U) failure returned to normal condition
11B	Communication error restoration between Primary Unit and Secondary Unit
12C	Standard SIP Terminal Connected
12E	LAN Cable Connected
133	IP Network failure returned to normal condition
135	Login lock returned to normal condition
137	Scam Call detection returned to normal condition

NOTE: *When the link connection failure to CCT is restored, the restoration message "CCT link connection returned to normal condition" is displayed. When the link connection failure to P2P-CCIS is restored, the restoration message "P2P-CCIS link connection returned to normal condition" is displayed.*

COMMAND CODE	TITLE:
EC	MAINTENANCE BY PCPro/CAT

FUNCTION:

This command is used for maintenance of the PBX. The functions of this command are outlined below:

- Battery release
- Line status display for single line telephone or Multiline Terminal
- Service Information Display
- System data copy from ACT-CPU to STBY-CPU by manual operation
- System data backup/SDRAM data clear
- System data copy from the Main Unit to Remote Unit
- Day Mode/Night Mode Apply
- Calling party No. Remote Maintenance
- Power ON/OFF by Multiline Terminal Power Saving
- VRS data backup
- Read out the Malicious Call List History by a User Operation
  [9300V3]

PRECAUTION:

(1) See Line Status Display in the following pages for details on how to read the status information.

(2) Line status display of a single line should not be performed while the single line is in use.

(3) Line status display is not available in off-line.

ASSIGNMENT PROCEDURE:

[ST] + ECY + [DE] + 1ST DATA (1-8 digits) + [DE] + 2ND DATA (1-16 digits) + [EXE]

COMMAND CODE	TITLE:
EC	MAINTENANCE BY PCPro/CAT

DATA TABLE:

Battery Release/Line Status Display

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
0	Battery release	00	Battery release of Unit01 + 02 + 03 + 04	0 1◀	Battery released Normal operating	
		01 ≀ 50	Unit number			
1	Line status display [See Line Status Display Operation]	X ≀ XXXXXXXX	Single Line Station No. or My Line No. X: 0-9, A (*), B (#)	–	–	

Line Status Display Operation:

	ST	COMMAND=
EC1 +	DE	COMMAND=EC1 EC1>_
X-XXXXXXXX + (Station No.)	DE	COMMAND=EC1 EC1>XXXXXXXX : XXXXXXXX : XX XX XX-_

(a) (b) (c) (d)

(a) Station No.: X-XXXXXXXX (1-8 digits)

(b) Analog Line/Digital Line
00: LC (Single Line Tel.)
10: DLC (Multiline Terminal)
20: IP Station

COMMAND CODE	TITLE: MAINTENANCE BY PCPro/CAT
EC	

(c) Hardware Test

INDICATION	STATUS OF SINGLE LINE TEL.	STATUS OF MULTILINE TERMINAL	STATUS OF IP STATION
00	Normal operation of blade NOTE	Terminal is not connected or Tip wire is grounded	Terminal is not connected
01	Blade is not mounted/initialized NOTE	Terminal is connected	Terminal is connected
02	–	Short circuit is made on the line	
03	–	Ring wire is grounded	
04	–	DLC blade is not mounted	
05	–	Terminal failure	
06	–	DLC blade down	
07	–	–	
08	–	Line failure detect	

NOTE: *Analog telephone cannot display Indication 00 and 01.*

(d) Software Test

01 : Idle
02 : Line Lockout
Other than 01, 02: Busy

COMMAND CODE	TITLE:
EC	MAINTENANCE BY PCPro/CAT

Service Information Display

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
2	Service Information Display	000	Maximum value of extension management number (LEN) NOTE 1	XXXX	(Hexadecimal Display)	
		001	Number of Extension registration NOTE 2	XXXX	(Decimal Display)	
		002	Number of remaining Numbering Plan tables (CM20 Y=0-3)	XXXX/ ZZZZ	XXXX: Remaining development tables (Decimal Display) ZZZZ: Total development tables (Decimal Display)	CM20 Y=0-3
		003	Number of remaining LCR Development tables (CM8A Y=4000-4007)			CM8A Y=4000-4007
		004	Number of remaining ID Code Pattern number tables (CM2A Y=00-09)			CM2A Y=00-09
		005	Number of remaining each calling party number tables (CM2A Y=50-52)			CM2A Y=50-52
		007	Number of remaining development tables of Toll Restriction pattern for Call Forwarding -Outside (CM8B Y=000)		XXXX: Remaining development tables (Decimal Display) ZZZZ: Total development tables (502 tables)	CM8B Y=000

Continued on next page

COMMAND CODE	TITLE: MAINTENANCE BY PCPro/CAT
EC	

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
2	Service Information Display	008	Remaining numbers that can be set Call Forwarding-Outside (CME6)	XXXX/ ZZZZ	XXXX: Remaining numbers (Decimal Display) ZZZZ: Total numbers (Decimal Display)	CME6 Y=00-03, 06
		016	Number of remaining development tables for the maximum number of trunk-sending digits (CM85)	XXXX/ ZZZZ NONE◀	XXXX: Remaining development tables (Decimal Display) ZZZZ: Total development tables (Decimal Display) 0000/0000	
		018	Remaining Malicious Call List numbers (CM74) [9300V3] NOTE 3	XXXX/ ZZZZ	XXXX: Remaining Malicious Call List numbers (Decimal Display) ZZZZ: Total Malicious Call List numbers (Decimal numbers)	CM73 Y=0 CM74 Y=0

Continued on next page

NOTE 1: *The maximum number of the software management number about stations of the whole system is displayed by this data.*

NOTE 2: *This data is only for Single Line Telephone and Multiline Terminal (including IP Multiline Terminal/Soft Phone), ISDN telephone, Virtual Line Number (CM11).*

NOTE 3: *This command can also be used in common when either of the following two operations is performed.*

- *Registration from PCPro*
- *Registration by a user operation*

COMMAND CODE	TITLE:
EC	MAINTENANCE BY PCPro/CAT

NOTE 4: *Service Information Display example is shown below.*

- *EC2>000: 00B1-_*
- *EC2>001: 0178-_*
- *EC2>002: 0028/0078-_*
- *EC2>003: 0502/0502-_*
- *EC2>004: 3068/3072-_*
- *EC2>005: 3072/3072-_*
- *EC2>007: 0502/0502-_*

COMMAND CODE	TITLE: MAINTENANCE BY PCPro/CAT
EC	

System data copy from ACT-CPU to STBY-CPU by manual operation

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
5	System data copy from ACT-CPU to STBY-CPU by manual operation	XX	XX: Unit No. 01: Unit01 02-04: Unit02-04	0 1 3◀	Start to execute Now executing Not executed NOTE 1 NOTE 2 NOTE 3 NOTE 4 NOTE 5 NOTE 6	

NOTE 1: *By this command, system data, license data, and billing memory are copied from ACT-CPU to STBY-CPU.*

NOTE 2: *When communication with STBY-CPU is not available, "HARDWARE ERROR" is displayed.*

NOTE 3: *When copy is already being executed, "WAIT, BUSY NOW" is displayed.*

NOTE 4: *When program download to STBY-CPU is being executed, "WAIT, BUSY NOW" is displayed.*

NOTE 5: *License data can only be copied from CPU0 to CPU1 in Unit01.*

NOTE 6: *This data is effective only for the Unit connected to the PCPro.*

COMMAND CODE	TITLE:
EC	MAINTENANCE BY PCPro/CAT

System Data Backup

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
6	System data backup	0	System data backup	0 1 3	Start to save Now saving Stand by NOTE 1	CM43 Y=5

NOTE 1: *You can assign only "0" to the second data. "1" is displayed while the system data is being copied.*

NOTE 2: *Backup takes about 5 minutes on On-line/Off-line mode. While saving the system data to flash memory, "SYSD" LED on the CPU blade flashes.*

NOTE 3: *Do not turn off or reset the system while "SYSD" LED on the CPU blade is flashing.*

SDRAM Data Clear

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
7	SDRAM Data Clear OFF LINE	00	ID registration for IP Station in Automatic Login Mode all clear	CCC	Clear NOTE	

NOTE: *Execute the system data backup by CMEC Y=6>0: 0 after this data clear.*

COMMAND CODE	TITLE: MAINTENANCE BY PCPro/CAT
EC	

System Data Copy

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
8	System data copy from the Main unit to Remote units	00 02 ≀ 50	All Remote units Remote unit No. 02 ≀ Remote unit No. 50	0 1 3◀	Start to copy system data Now copying/System data copy state can be read Stand by/System data copy state can be read NOTE 1 NOTE 2 NOTE 3	CM43 Y=7

NOTE 1: *You can assign only "0" to the second data. "1" is displayed as the second data while the system data being copied.*

NOTE 2: *When Secondary unit is normal mode while Failover system is operated, all system data of Primary unit can be copied to Secondary unit by this command.*

NOTE 3: *When the system data copy is executed for the Unit in a Dual CPU system, the system data is also copied to the STBY-CPU.*

Day Mode/Night Mode Apply

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
9	Applying Day Mode/Night Mode to all Multiline Terminals	0	Day Mode/Night Mode applying	0 1 3◀	Start to apply Now applying Stand by NOTE 1 NOTE 2	CM08>577 CM12 Y=04

NOTE 1: *This data is effective only when the second data is set to 0.*

NOTE 2: *This command is executed after CM08>577 is set, or when the station tenant number of My Line is changed by CM12 Y=04.*

COMMAND CODE	TITLE:
EC	MAINTENANCE BY PCPro/CAT

Calling Party No. for Remote Maintenance

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
B	Calling Party No. for Remote Maintenance	00 ~ 04	Calling Party No. for Remote Maintenance 0-4	XX...XX NONE◀	Calling Party No. X: 0-9 (maximum 16 digits) No data NOTE 1 NOTE 2	CM35 Y=319

NOTE 1: *Assign the Calling Party number of PCPro for Remote Maintenance.*

NOTE 2: *This data is effective when CM35 Y=319 (Restriction of Remote Maintenance via built-in modem) is set to 0*

Change Power ON/OFF by Multiline Terminal Power Saving

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
C	Change Power ON/OFF by Multiline Terminal Power Saving	00 ~ 63	Tenant No.	0 1◀	Power OFF Power ON NOTE 1 NOTE 2 NOTE 3	

NOTE 1: *When this data is read, you can confirm the Power ON/OFF status of each tenant group.*

NOTE 2: *When this data is written, the Power ON/OFF change is executed and "OK" is displayed immediately.*

NOTE 3: *"OK" is also displayed even if the Power Saving function is changed to Power OFF in the Power OFF status, or to Power ON in the Power ON status.*

COMMAND CODE	TITLE: MAINTENANCE BY PCPro/CAT
EC	

VRS Data Backup

◀: Default

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
D	VRS data	0	VRS data backup (Execute/ Status display)	0 1 3◀	Start to execute Now executing (Only display) Not executed (Only display)	
		2	VRS data copy from ACT unit to STBY unit (Execute/ Status display)	0 1 3◀	Start to copy VRS data Now executing (Only display) Standby/Completed (Only display)	
		3	VRS data copy from Primary unit to Secondary unit (Execute/ Status display)	0 1 3◀	Start to copy VRS data Now executing (Only display) Standby/Completed (Only display)	

COMMAND CODE	TITLE:
EC	MAINTENANCE BY PCPro/CAT

Read out the Malicious Call List History by a User Operation
[9300V3]

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
E	Read out Malicious Call List history	0000 ~ 1999	History No. 0000 ~ History No. 1999	AA/BB/CC/DDD...D/EEEEE/FF/GGG...G	See below	
	Indication of Malicious Call List History: AA : Last 2 digits of Year (00-99) BB : Month (01-12) CC : Date (01-31) DDD...D: Operating Station No. (Maximum 8 digits) EEEEE : Block No. of Malicious Call List (5 digits): 1000-Slot Memory Block No. (00-99) + 10-Slot Memory Block No. (00-99) + Memory Parcel No. (0-9) FF : Operation (00: Set, 01: Delete) GGG...G: Malicious Call No. (Maximum 16 digits)					

NOTE 1: *This command can also be used in common when either of the following operations is performed.*
- *Registration during a call in progress*
- *Registration from a call history*
- *Registration/deletion by specifying a station number*

NOTE 2: *A maximum of 2000 call histories can be maintained, if call histories are exceeded 2000 call histories, SV9300 deletes the data from the oldest data and overwrites the data with new data.*

NOTE 3: *History numbers are displayed in order of the latest registration/deletion date of call histories.*

NOTE 4: *The indication of Malicious Call List history is separated with a slash (/).*

NOTE 5: *If the digits of Malicious Call No. and the Operating Station No. are less than the maximum digits, the remaining digits are filled with spaces after their No.*

NOTE 6: *If the number of registered Malicious Call List reaches to the maximum digits (1000 or 2000 lists), read the call history by this command, then identify the unnecessary calling party numbers for Malicious Call and delete them from the Malicious Call List.*

COMMAND CODE	TITLE:
EE	APPLICATION BLADE DATA ASSIGNMENT (BLADE RESET)

FUNCTION:

This command is used to assign the IP address to connect the functions and Web consoles for each In-Skin UMS blade (GCD-VM00)/Conference blade (GCD-PVAA/GCD-RGA).

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + EEY + [DE] + 1ST DATA (4/7 digits) + [DE] + 2ND DATA (3-15 digits) + [EXE]

DATA TABLE:

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
0	License limitation for each In-Skin UMS blade	XXYYZZZ	XX : Unit number (01-50) YY : Slot number (01-18) ZZZ: Option Value number 044: In-Skin UMS FAX port (channel) 046: In-Skin UMS Client license (View Apps) 047: In-Skin UMS Multi Language	XXX/ XXXX NONE◀	Number of limits (3 or 4 digits) * 4 digits are available from 9300V3 software. No data
	NOTE: *Set the second data in accordance with the specification of UM8000 and within the number of license capacities registered to the system.* ☞ *See CMF8 Y=8*				

Continued on next page

COMMAND CODE	TITLE:
EE	APPLICATION BLADE DATA ASSIGNMENT (BLADE RESET)

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
1	IP Address for Conference blade/In-Skin UMS blade	XXYY	XX: Unit number (01-50) YY: Slot number (01-18)	XXX.XX ...X NONE◀	IP Address (Maximum 15 digits) XXX.XXX.XXX.XXX.= 0.0.0.1-255.255.255.254 192.168.1.70 (In-Skin UMS) 192.168.0.71 (Conference Bridge blade [PVA]) 192.168.1.72 (Conference Bridge blade [RGA])
	NOTE: *When setting the IP address by this data, a period (.) must be entered between the numbers (example: 255.255.255.254).*				
2	Subnet Mask for Conference blade/ In-Skin UMS blade	XXYY	XX: Unit number (01-50) YY: Slot number (01-18)	XXX.XX ...X NONE◀	Subnet Mask (Maximum 15 digits) XXX.XXX.XXX.XXX= 255.0.0.0-255.255.255.252 255.255.255.0
	NOTE: *When setting the Subnet Mask by this data, a period (.) must be entered between the numbers (example: 255.255.255.252).*				
3	Default Gateway for Conference blade/ In-Skin UMS blade	XXYY	XX: Unit number (01-50) YY: Slot number (01-18)	XXX.XX ...X NONE◀	Default Gateway (Maximum 15 digits) XXX.XXX.XXX.XXX= 0.0.0.1-255.255.255.254 0.0.0.0
	NOTE: *When setting the Default Gateway by this data, a period (.) must be entered between the numbers (example: 255.255.255.254).*				

COMMAND CODE	TITLE:
EF	SERVICE ASSIGNMENT FOR USER WEB PORTAL

FUNCTION:

This command is used to confirm the service settings (i.e. user setting data) for User Web Portal (and also to change the service settings).

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + EEYY + [DE] + STATION NUMBER (1-8 digits) + [DE] + DATA (1-16 digits) + [EXE]

DATA TABLE:

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
00	Name Display	XX...XX NONE◀	Name to be displayed with characters (maximum 16 digits) As per CM77 Y=1	CM77 Y=1
		NOTE 1: *The characters can be entered from PCPro or by using the CAT mode.* **NOTE 2:** *When using the CAT mode, available alphanumeric characters are 0-9 and A-F.*		
05	Type of My Line Information Display on Multiline Terminal	0 1 2 3 NONE◀	Station No. Station Name Station No. + Station Name Station Name + Station No. As per CM12 Y=57	CM12 Y=57

Continued on next page

COMMAND CODE	TITLE:
EF	SERVICE ASSIGNMENT FOR USER WEB PORTAL

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
06	Illumination Color of Multiline Terminal for Internal Call	0 1 2 3 4 5 6 7 NONE◀	Pattern 0 Pattern 1 Pattern 2 Pattern 3 Pattern 4 Pattern 5 Pattern 6 Pattern 7 As per CM12 Y=83	CM12 Y=83

NOTE 1

NOTE 1: *The illumination color for each pattern can be set as shown in the table below depending on the terminal type (7-color LED/3-color LED).*

Pattern No.	7-color LED terminal	3-color LED terminal		
	DT530/DT730/ DT730CG/DT730DG/ DT730 DESI-less/ DT830/DT830CG/ DT830DG/ DT830 DESI-less/ DT830DG DESI-less/ DT900 Series	DT310/DT330/ DT410/DT430/ DT430 DESI-less/ DT510/DT710/ DT820	DT710 DESI-less	DT820 DESI-less
Pattern 0	Red	Red	Red	Red
Pattern 1	Green	Green	Green	Green
Pattern 2	Blue	Yellow	–	Yellow
Pattern 3	Yellow	Yellow	Yellow	Yellow
Pattern 4	Purple	Yellow	–	Yellow
Pattern 5	Light blue	Yellow	–	Yellow
Pattern 6	White	Yellow	–	Yellow
Pattern 7	7-color rotation	Yellow	3-color rotation	3-color rotation

NOTE 2: *For DT820 including a DESI-less terminal, use the 9300V3 STEP2 software or later. When the DT820 is connected to SV9300 using the 9300V3 software or before, the DT820 operates as DT710.*

NOTE 3: *For DT700/DT800/DT900 Series terminals, follow the setting of the terminal if its color-coding method for a distinction between an internal call and an external call is set to a method other than "Automatic".*

Continued on next page

COMMAND CODE	TITLE:
EF	SERVICE ASSIGNMENT FOR USER WEB PORTAL

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
07	Illumination Color of Multiline Terminal for External Call	0 1 2 3 4 5 6 7 NONE◀	Pattern 0 Pattern 1 Pattern 2 Pattern 3 Pattern 4 Pattern 5 Pattern 6 Pattern 7 As per CM12 Y=84	CM12 Y=84

NOTE 1

NOTE 1: *The illumination color for each pattern can be set as shown in the table below depending on the terminal type (7-color LED/3-color LED).*

Pattern No.	7-color LED terminal	3-color LED terminal		
	DT530/DT730/ DT730CG/DT730DG/ DT730 DESI-less/ DT830/DT830CG/ DT830DG/ DT830 DESI-less/ DT830DG DESI-less/ DT900 Series	DT310/DT330/ DT410/DT430/ DT430 DESI-less/ DT510/DT710/ DT820	DT710 DESI-less	DT820 DESI-less
Pattern 0	Red	Red	Red	Red
Pattern 1	Green	Green	Green	Green
Pattern 2	Blue	Yellow	–	Yellow
Pattern 3	Yellow	Yellow	Yellow	Yellow
Pattern 4	Purple	Yellow	–	Yellow
Pattern 5	Light blue	Yellow	–	Yellow
Pattern 6	White	Yellow	–	Yellow
Pattern 7	7-color rotation	Yellow	3-color rotation	3-color rotation

NOTE 2: *For DT820 including a DESI-less terminal, use the 9300V3 STEP2 software or later. When the DT820 is connected to SV9300 using the 9300V3 software or before, the DT820 operates as DT710.*

NOTE 3: *For DT700/DT800/DT900 Series terminals, follow the setting of the terminal if its color-coding method for a distinction between an internal call and an external call is set to a method other than "Automatic".*

Continued on next page

COMMAND CODE	TITLE:
EF	SERVICE ASSIGNMENT FOR USER WEB PORTAL

◀: Default

Y		SETTING DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	
08	User permission for User Web Portal	0 1 2 3 NONE◀	Administrator Supervisor User Unauthorized User As per CM12 Y=55	CM12 Y=55
90	User setting data all clear	CCC	User setting data all clear	

COMMAND CODE	TITLE:
F0, F1	CPU MEMORY DUMP CPU MEMORY READ/WRITE

FUNCTION:

These commands are used only for maintenance.
DO NOT USE these commands without the assistance of a NEC engineer.

ASSIGNMENT PROCEDURE:

CMF0: CPU Memory Dump

[ST] + F0 + [DE] + (ZXXXXXXXX / Address) + [DE]

Z : 0-F (Segment)
XXXXXXXX: 00000000-FFFFFFFF (Address)

Display XXXXXXXX: YY YY YY ··· YY

Designated Address

- YY → Data of the designated address
- YY → Data of the designated address + 1
- YY → Data of the designated address + 2
- YY → Data of the designated address + 15

YY: 00-FF (Data)

NOTE: *This command is used only for memory display and cannot be used for memory changing.*

CMF1: CPU Memory Read/Write **NOTE**

[ST] + F1 + [DE] + (ZXXXXXXXX / Address) + [DE] + XX + [EXE]

XX → New Data

Z : 0-F (Segment)
XXXXXXXX: 00000000-FFFFFFFF (Address)

NOTE: *You must be extremely careful in using this command while the system is in service.*

COMMAND CODE	TITLE:
F5	LINE/TRUNK MEMORY/ALARM MEMORY READ

FUNCTION:

This command is used only for maintenance.
DO NOT USE this command without the assistance of a NEC engineer.

ASSIGNMENT PROCEDURE:

[ST] + F5Y + [DE] + 1ST DATA (1-15 digits) + [DE]

DATA TABLE:

Y	1ST DATA		READOUT DATA (STATUS INFORMATION)	REMARKS
0	fX ~ fXXXXXXXX	f: Status Memory Block number (0-3) Single Line station/Virtual Line station number (1-8 digits) X: 0-9, A (*), B (#)	Basic memory dump data of station/trunk	
	fFX ~ fFXXXXXXXX	f: Status Memory Block number (0-3) Multiline Terminal number <X-XXXXXXXX> represents My Line number		
	fD000 ~ fD511	f: Status Memory Block number (0-3) Trunk number		
	fEFX + [,] + B ~ fEFXXXXXXXX + [,] + B	f: Status Memory Block number (0-3) ISDN Line station number <X-XXXXXXXX> B: B channel number (0/1)		
1	XXYYZZ	Physical Port No. XX: Unit number (01-50) YY: Slot number (01-18) ZZ : Circuit number (01-32)	Basic memory dump data of station/trunk	

Continued on next page

COMMAND CODE	TITLE:
F5	LINE/TRUNK MEMORY/ALARM MEMORY READ

Y	1ST DATA		READOUT DATA (STATUS INFORMATION)	REMARKS
2	X ~ XXXXXXXX	Single Line station/Virtual Line station number (1-8 digits) X: 0-9, A (*), B (#)	LEN switch memory	
	FX ~ FXXXXXXXX	Multiline Terminal number <X-XXXXXXXX> represents My Line number		
	EFX ~ FXXXXXXXX	ISDN Line station number <X-XXXXXXXX>	ILEN switch memory	
	D000 ~ D511	Trunk number	TEN switch memory	
	DDXXYYY	XX: Unit Number 01-50 YY: Channel Number 001-128	IPPN switch memory	
3	0000 ~	Memory Designation	Memory dump data	
	0713 0841 0843 0845 ~ 0899	Main Unit Remote Unit 01 Remote Unit 02 Remote Unit 03 ~ Remote Unit 30	XXXXXXXX: Physical address (8 digits) + XX...XX: Result memory (32 digits) The executed results of the latest CPU program downloading next block pointer of result memory	
	0714 0842 0844 0846 ~ 0900	Main Unit Remote Unit 01 Remote Unit 02 Remote Unit 03 ~ Remote Unit 30	XXXXXXXX: The latest 32 results of CPU program download (file type, Executed operation, Result, Execution time) (16 byte × 32 blocks)	CM0C Y=52 >XX05

Continued on next page

COMMAND CODE	TITLE:
F5	LINE/TRUNK MEMORY/ALARM MEMORY READ

Y	1ST DATA		READOUT DATA (STATUS INFORMATION)	REMARKS
3	0901	Readout the Remote Unit status	00 : Download 01 : Changeover FF: Not used **NOTE:** *This command is available only at Main Unit.*	
4	0000 ~ FFFF	EN	YY + [,] XXXXXXXX + [,] B YY: 00: Physical Port No. (Multiline Terminal/Single Line station) 01: VEN (Virtual Line station/Multiline Terminal) 05: ILEN (ISDN station) XXXXXXXX: Single Line station/Virtual Line station number (1-8 digits) X: 0-9, A(*), B(#) B: Bch number (ILEN only) 0: B1 channel 1: B2 channel	
5	X ~ XXXXXXXX	Single Line station/Virtual Line station number (1-8 digits) X: 0-9, A (*), B (#)	1: Single Line station 2: Multiline Terminal 3: Virtual Line station 5: IP Multiline Terminal	
6	X ~ XXXXXXXX	Single Line station/Virtual Line station number (1-8 digits) X: 0-9, A (*), B (#)	STS, OP-0, OP-1, IP, Physical/Virtual Port No., SND, OPT	
	FX ~ FXXXXXXXX	Multiline Terminal number <X-XXXXXXXX> represent My Line number	STS, OP-0, OP-1, IP, Physical Port No., OPT	
	D000 ~ D511	Trunk number	STS, OP-0, OP-1, MR, Physical Port No., SND, OPT	

Continued on next page

COMMAND CODE	TITLE:
F5	LINE/TRUNK MEMORY/ALARM MEMORY READ

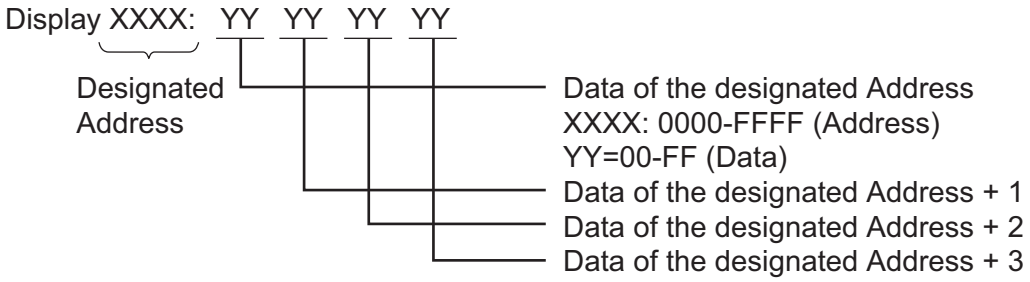
Y	1ST DATA		READOUT DATA (STATUS INFORMATION)	REMARKS
8	X ~ XXXXXXXX	Single Line station/Virtual Line station number (1-8 digits) X: 0-9, A (*), B (#)	Service memory dump data of station/trunk	
	FX ~ FXXXXXXXX	Multiline Terminal number <X-XXXXXXXX> represent My Line number		
	EFX + [,] + B ~ EFXXXXXXXX + [,] + B	ISDN Line station number <X-XXXXXXXX> B channel number (0/1)		
	D000 ~ D511	Trunk number		
9	X ~ XXXXXXXX	Single Line station/Virtual Line station number (1-8 digits) X: 0-9, A (*), B (#)	Physical Port No.: Single Line station/Multiline Terminal	
			Physical Port No.: Single Line station/Multiline Terminal VEN: Virtual Line station/Multiline Terminal	
			VEN: Virtual Line station/Multiline Terminal	
			IEN: ISDN Line station	
			IVEN: ISDN Line station (multi point)	

Continued on next page

COMMAND CODE	TITLE:
F5	LINE/TRUNK MEMORY/ALARM MEMORY READ

Y	1ST DATA		READOUT DATA (STATUS INFORMATION)	REMARKS
A	EFX + [,] + B ~ EFXXXXXXXX + [,] + B	ISDN Line station number <X-XXXXXXXX> B channel number (0/1)	Optional memory dump data of station/trunk	
	D000 ~ D511	Trunk number		
B	X ~ XXXXXXXX	Single Line station/Virtual Line station number (1-8 digits) X: 0-9, A (*), B (#)	AA BBB CC AA: 00-49 : Unit number 01-50 BBB: 000-191 : Slot number 01-192 CC: 00-31 : Circuit number (01-32) **NOTE:** *BBB=018/019 is IP line/trunk for software slot.*	
	FX ~ FXXXXXXXX	Multiline Terminal number <X-XXXXXXXX> represents My Line number		
	D000 ~ D511	Trunk number		
	EFX ~ EFXXXXXXXX	ISDN Line station number <X-XXXXXXXX>		

NOTE 1: *A status information associated with CMF5 Y=0, 3 will be displayed as shown below. For the meaning of the status information displayed, refer to the System Maintenance Manual.*



Continued on next page

COMMAND CODE	TITLE:
F5	LINE/TRUNK MEMORY/ALARM MEMORY READ

NOTE 2: *Status information associated with CMF5 Y=B will be displayed as shown below.*

Display F5B > X-XXXX : YYYY- /ZZZZ-
or
F52 > FX-FXXXX : YYYY-
or
F52 > D000-D511: YYYY-
YYYYYY: 010101-501832 (Physical Port No.)

COMMAND CODE	TITLE:
F6	OPERATION LOG/MP-FP COMMAND OUTPUT

FUNCTION:

This command is used only for maintenance.
DO NOT USE this command without the assistance of a NEC engineer.

ASSIGNMENT PROCEDURE:

[ST] + F6Y + [DE] + 1ST DATA (2 digits) + [DE] + 2ND DATA (1-17 digits) + [EXE]

DATA TABLE:

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
0	Storage/Output of operation log	0 001	0 : Storage of operation logs (per function) 001 : User Web Portal operation log	0 1◀	Not stored To store
		1 001	1 : Output of operation logs (per function) 001 : User Web Portal operation log	0 1◀	Not output To output
1	Output of operation log	00	Display of the oldest/latest date and time of operation log data in storage buffer (Only Display) (Related to CMF6 Y=0)	YYYYMMDDhhmmss-YYYYMMDDhhmmss NONE◀	Display of the oldest/latest date and time YYYYMMDDhhmmss-YYYYMMDDhhmmss: The oldest date and time - The latest date and time YYYY : Year MM : Month DD : Day hh : hour mm : minute ss : second No data stored

Continued on next page

COMMAND CODE	TITLE:
F6	OPERATION LOG/MP-FP COMMAND OUTPUT

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
1	Output of operation log	01	Setting of starting date of operation log output (Related to CMF6 Y=1>02)	YYYYMMDD	Starting date of output YYYYMMDD: YYYY : Year MM : Month DD : Day
				NONE◀	Starting date is not specified
			NOTE 1: *When the starting date (CMF6 Y=1>01) and the ending date (CMF6 Y=1>02) are both assigned, logs between the starting date and the ending date are output.* **NOTE 2:** *When the starting date (CMF6 Y=1>01) is assigned and the ending date (CMF6 Y=1>02) is NONE, logs from the starting date to the latest date are displayed.* **NOTE 3:** *When the starting date (CMF6 Y=1>01) is NONE and the ending date (CMF6 Y=1>02) is assigned, logs from the oldest date to the ending date are displayed.* **NOTE 4:** *When the starting date (CMF6 Y=1>01) and the ending date (CMF6 Y=1>02) are both NONE, all logs are output.*		

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COMMAND CODE	TITLE:
F6	OPERATION LOG/MP-FP COMMAND OUTPUT

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
1	Output of operation log	02	Setting of ending date of operation log output (Related to CMF6 Y=1>01)	YYYYMMDD NONE◀	Ending date of output YYYYMMDD: YYYY : Year MM : Month DD : Day Ending date is not specified
			NOTE 1: *When the starting date (CMF6 Y=1>01) and the ending date (CMF6 Y=1>02) are both assigned, logs between the starting date and the ending date are output.* **NOTE 2:** *When the starting date (CMF6 Y=1>01) is assigned and the ending date (CMF6 Y=1>02) is NONE, logs from the starting date to the latest date are displayed.* **NOTE 3:** *When the starting date (CMF6 Y=1>01) is NONE and the ending date (CMF6 Y=1>02) is assigned, logs from the oldest date to the ending date are displayed.* **NOTE 4:** *When the starting date (CMF6 Y=1>01) and the ending date (CMF6 Y=1>02) are both NONE, all logs are output.*		
		03	Output of operation log (Related to CMF6 Y=0 and CMF6 Y=1>00-02)	0 1◀	Output execution / State of outputting Ending output execution / State of ending output
2	MP-FP command output setting	00	Command Code to be output (for realtime mode)	00 ~ FE NONE◀	Command code Output all command codes

Continued on next page

COMMAND CODE	TITLE:
F6	OPERATION LOG/MP-FP COMMAND OUTPUT

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
2	MP-FP command output setting	01	Unit Number to be output (for realtime mode)	000 ~ 049 NONE◀	Unit number (When Unit number '01' is specified, '000' is selected.) Output all Unit numbers
		02	Slot number to be output (for realtime mode)	XXX NONE◀	Slot number (When Slot number '01' is specified, '000' is selected.) 000-017: TDM terminal 024-026: SIP trunk 032-047: IPT (P2P CCIS) 128-191: IP Station Output all Slot numbers
		03	IN/OUT command setting (for realtime mode)	0 1 2 3◀ CCC	Display both IN command/ OUT command Display only OUT command Display only IN command Not displayed Clear all the data of CMF6 Y=2
		90	START/STOP of the stored data in storage buffer (for storage mode)	0 1◀	STOP (Stopped state) START (Started state)
		91	Method of the stored data in storage buffer (for storage mode)	0 1◀	Fixing Overwrite
			NOTE: *Be careful in handling CMF6 Y=2>91 because all stored data in the storage buffer is cleared when the method is changed by CMF6 Y=2>91.*		

Continued on next page

COMMAND CODE	TITLE:
F6	OPERATION LOG/MP-FP COMMAND OUTPUT

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
2	MP-FP command output setting	92	Displaying the oldest time/latest time of stored data in storage buffer (for storage mode)	DDHHMMSS (Oldest time) - DDHHMMSS (Latest time)	Oldest time/latest time display (Only display) DD : Date (01-31) HH : Hour (00-23) MM: Minute (00-59) SS : Second (00-59)
		93	Output of the storage buffer/ Displaying of the status (for storage mode)	0	Output execution/State of outputting
				1	Pause of output execution/paused state of output
				2	Restart output execution/State of restart outputting
				3◀	Ending output execution/State of ending output

COMMAND CODE	TITLE:
F7	HIGHWAY CHANNEL MEMORY READ/REASSIGNMENT

FUNCTION:

This command is used only for maintenance.
DO NOT USE this command without the assistance of a NEC engineer.

ASSIGNMENT PROCEDURE:

[ST] + F70 + [DE] + 1ST DATA (6 digits) + [DE]

[ST] + F79 + [DE] + 1ST DATA (4 digits) + [DE] + 2ND DATA (4 digits) + [EXE]

DATA TABLE:

Y		1ST DATA		2ND DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
0	Highway Channel memory read	XXYYZZ	XX: Unit number (01-50) YY: Slot number (01-18) ZZ: Circuit number (01-32)	XXYYYZ (Only display)	XX: Highway No. (00-07) YYY: Highway Channel No. (000-110) Z: Number of channel (01-08)	
9	Highway Channel re-assignment	XXYY	XX: Unit number (01-50) YY: Lowest slot number in each Line/ Trunk chassis (2U) (01/07/13)	XXYY	XX: Unit number (01-50) YY: Highest slot number in each Line/ Trunk chassis (2U) (06/12/18)	

COMMAND CODE	TITLE:
F7	HIGHWAY CHANNEL MEMORY READ/REASSIGNMENT

■ CMF7 Y=9

CMF7 Y=9 is the command which reassigns the high way channel (108 ch) allocation to each physical slot (slot1-6/7-12/13-18). For the physical slot, 16 channels are allocated to each slot in reset state (the high way channel allocation is in a state which is not reassigned before).
When more than 16 channels are needed for adding blades, high way channel must be reassigned by this command (when high way channel number is not reassigned, the channel numbers from the channel No.17 cannot be used).

NOTE 1: *After setting this command, Blade Reset is required for all the physical slots of the desired highway channel by CME0 Y=3.*

NOTE 2: *Even when the number of highway channels is increased at a blade replacement (such as a replacement of GCD-4ODTA by GCD-PRTA), be sure to reassign highway channels using CMF7 Y=9. (If no reassignment is performed, any channel will not be allocated to the relevant blade, causing a call failure.)*

COMMAND CODE	TITLE:
F7	HIGHWAY CHANNEL MEMORY READ/REASSIGNMENT

Example:

- The setting before mounting the blade

Slot 01	16DLC (16)	16DLC (16)	Slot 04	
Slot 02	16DLC (16)		Slot 05	Unit01
Slot 03	16DLC (16)		Slot 06	

- The setting after mounting the blade

Slot 01	16DLC (16)	16DLC (16)	Slot 04	
Slot 02	16DLC (16)		Slot 05	Unit01
Slot 03	16DLC (16)		Slot 06	
	PRT (24)			

When adding a PRT into Slot 05, for example, reassign highway channels for all Slots 01-06 in the line/trunk module in which the Slot 05 is placed.
After reassigning the highway channels, perform Blade Reset operations for all slots.
Reassign the high way channel allocation of the Unit01 by CMF7 Y=9.
<Office data settings>
CMF79>0101: 0106
CME03>0101: 0101
CME03>0102: 0102
CME03>0103: 0103
CME03>0104: 0104
CME03>0105: 0105
CME03>0106: 0106

NOTE: *When adding a PRT into either of Slots 07-12, reassign highway channels for all Slots 07-12 in the line/trunk module.*
When adding a PRT into either of Slots 13-18, reassign highway channels for all Slots 13-18 in the line/trunk module.

COMMAND CODE	TITLE:
F8	OPTION VALUE/HARDWARE KEY CODE READ

FUNCTION:

This command is used to read the Option Value and Hardware Key Code.

PRECATION:

None

ASSIGNMENT PROCEDURE:

[ST] + F8Y + [DE] + 1ST DATA (3 digits) + [DE]

DATA TABLE:

Y		1ST DATA		READOUT DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
8	Option Value read	001	PORT Capacity	XX...XX	Option Value NOTE 1
		002	ISDN Terminals		
		010	VoIP Channels		
		011	IP Trunk		
		012	IP Ports		
		016	Remote Unit		
		017	SIP TRK Channels		
		018	Soft Phone		
		019	Soft Phone ACD		
		023	Mobility Access		
		024	STD SIP Phone		
		025	Embedded 32P CNF		
		029	UC Connector SVL NOTE 2 [9300V7]		
		043	UMS PORT		
		044	UMS FAX PORT		
		045	UMS TTS PORT		
		046	UMS CLIENT		
		047	UMS LANGUAGE		
		048	UMS HOSPI LANG		
		049	UMS TTS LANG		
		060	PVA PORT		
		061	RGA Port [9300V3]		

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COMMAND CODE	TITLE:
F8	OPTION VALUE/HARDWARE KEY CODE READ

Y		1ST DATA		READOUT DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
8	Option Value read	062 065	RGA Enhance I **[9300V3]** RGA Language **[9300V3]**	XX...XX	Option Value **NOTE 1**
B	Hardware key code read	000 200	Hardware key code (#0 CPU) **NOTE 3** Hardware key code (#1 CPU) **NOTE 4**	XX...XX	Hardware key code

NOTE 1: *Example of readout data of the Option Value (CMF8 Y=8>001 [Port Capacity]) on CAT mode is as follows.*

```
---------------------------------------
COMMAND=F88
F88>001_
>001:PORT Capacity          :0
  270/1152_
---------------------------------------
```

- Above number "270" means the number of the using licenses (maximum 4 digits).
- Above number "1152" means the number of the license capacities (maximum 4 digits).

NOTE 2: *This first data (029) is effective for 9300V7 (V7.2.0) software or later.*

NOTE 3: *For a Dual CPU system, this data reads the hardware key code of #0 CPU.*

NOTE 4: *This data reads the hardware key code of #1 CPU even if PCPro is connected to either #0 CPU or #1 CPU.*

COMMAND CODE	TITLE:
F9	SYSTEM STATUS DISPLAY

FUNCTION:

By command operations from CAT/PCPro, this command is used to read the operation status of hardware, lines and the presence of failures.

[9300V3 STEP2]

PRECATION:

None

ASSIGNMENT PROCEDURE:

[ST] + F9YY + [DE] + 1ST DATA (2-4 digits) + [DE]

COMMAND CODE	TITLE:
F9	SYSTEM STATUS DISPLAY

DATA TABLE:

Y		1ST DATA		READOUT DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
00	Controlling chassis status display (Only Display)	01 ~ 50	Unit No. 01 ~ Unit No. 50	abcdefgh	a: Connection status NOTE 0: Connected 1: Disconnected - : N/A b: Operation Status NOTE 0: Normal mode 1: Survival mode - : N/A c: FAN Alarm 0: Not detected 1: Detected - : N/A d: AC Input Failure 0: Not detected 1: Detected - : N/A e: Power OFF Alarm 0: Not detected 1: Detected - : N/A f: Battery Alarm 0: Not detected 1: Detected - : N/A g: Jack Insertion Status 0: Not inserted 1: Inserted - : N/A h: Not used	

NOTE: *Always "0" is displayed for the Connection Status and the Operation Status of Unit01.*

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COMMAND CODE	TITLE:
F9	SYSTEM STATUS DISPLAY

Y		1ST DATA		READOUT DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
10	Expansion chassis status display (Only Display)	aab	aa: Unit No. (01-50) b : Expansion chassis No. (1-3): Expansion chassis 1(Slot 01-06)/ Expansion chassis 2 (Slot 07-12)/ Expansion chassis 3 (Slot 13-18)	abcdefgh	a: Connection status 0: Connected 1: Disconnected - : N/A b: Operation Status 0: Normal operation 1: Operation stopped - : N/A c: FAN Alarm 0: Not detected 1: Detected - : N/A d: AC Input Failure 0: Not detected 1: Detected - : N/A e: Power OFF Alarm 0: Not detected 1: Detected - : N/A f: Battery Alarm 0: Not detected 1: Detected - : N/A g: Not used h: Not used	

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COMMAND CODE	TITLE:
F9	SYSTEM STATUS DISPLAY

Y		1ST DATA		READOUT DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
30	VoIPDB Status Display (Only Display)	aab	aa: Unit Number (01-50) b : CPU 0 (Single CPU/ ACT CPU)/ CPU1 (STBY-CPU for Dual CPU)	abcdefgh	a: Mounting status 0: Mounted 1: Not mounted - : N/A b: Operation Status 0: Normal operation 1: Operation stopped - : N/A c: LAN Cable connection status 0: Connected 1: Disconnected - : N/A d: Not used e: Not used f: Not used g: Not used h: Not used	

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COMMAND CODE	TITLE:
F9	SYSTEM STATUS DISPLAY

Y		1ST DATA		READOUT DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
40	Station/Trunk Blade Status Display (Only Display)	aabb	aa: Unit Number (01-50) bb: Slot Number (01-18)	abcdefgh	a: Mounting status 0: Mounted 1: Not mounted - : N/A b: Operation Status 0: Normal operation 1: Operation stopped - : N/A c: Line-1 Link Connection 0: Line failure not detected 1: Detected - : N/A d: Line-2 Link Connection 0: Line failure not detected 1: Detected - : N/A e: Line-3 Link Connection 0: Line failure not detected 1: Detected - : N/A f: Line-4 Link Connection 0: Line failure not detected 1: Detected - : N/A g: Not used h: Not used	

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COMMAND CODE	TITLE:
F9	SYSTEM STATUS DISPLAY

Y		1ST DATA		READOUT DATA		RELATED COMMAND
No.	MEANING	DATA	MEANING	DATA	MEANING	
60	SIP Trunk Status Display (Only Display)	00 ~ 63	SIP Trunk number	abcdefgh	a: Connection-1 Link Status 0: Established 1: Disconnected - : N/A b: Connection-2 Link Status 0: Established 1: Disconnected - : N/A c: Connection-3 Link Status 0: Established 1: Disconnected - : N/A d: Connection-4 Link Status 0: Established 1: Disconnected - : N/A e: Connection-5 Link Status 0: Established 1: Disconnected - : N/A f: Connection-6 Link Status 0: Established 1: Disconnected - : N/A g: Connection-7 Link Status 0: Established 1: Disconnected - : N/A h: Connection-8 Link Status 0: Established 1: Disconnected - : N/A	

COMMAND CODE	TITLE:
FA	IP STATION APPARATUS INFORMATION

FUNCTION:

This command is used to read the apparatus information of IP Station.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

[ST] + FAYY/YYYY + [DE] + 1ST DATA (1-15 digits) + [DE]

DATA TABLE:

Y		1ST DATA		INDICATION	
No.	MEANING	DATA	MEANING	DATA	MEANING
00	Read the IP Station firmware version (Only display)	X ~ XXXXXXXX	IP Station No.	AABB CCDD	Current firmware version of the IP Station (for DT700/DT800/DT900 Series) AABBCCDD: AA: Integral No. (00-99) BB: First decimal No. (00-99) CC: Second decimal No. (00-99) DD: Third decimal No. (00-99)
				0000 AABB	Current firmware version of the IP Station (for D^{term}85) 0000AABB: AA: Integral No. (00-99) BB: First decimal No. (00-99)

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COMMAND CODE	TITLE:
FA	IP STATION APPARATUS INFORMATION

◀: Default

Y		1ST DATA		INDICATION	
No.	MEANING	DATA	MEANING	DATA	MEANING
01	Read the IP Station type/Digital Multiline Terminal Type (Only display)	X ~ XXXXXXXX	IP Station No.	02	D^{term}IP INASET
				03	D^{term}85 (D^{term} Series i) (IP adapter type)
				05	D^{term}85 (D^{term} Series i) (IP Bundled type)
				10	D^{term}SP30
				12	DT710
				13	DT730/DT710 (Self-Labeling)
				14	DT750
				15	MH240
				16	SP350
				17	DT730DG
				18	DT730CG
				19	DT770G
				21	DT830/DT830DG
				22	DT830CG
				23	DT820 **NOTE 1** **[9300V3 STEP2]**
				24	DT820 (Self-Labeling) **NOTE 2** **[9300V3 STEP2]**
				25	DT930CG **NOTE 3** **[9300V7]**
				26	DT920 **NOTE 4** **[9300V7]**
				27	DT920 (Self-Labeling) **[9300V7]**
				28	DT930 (Touch Panel) **[9300V7]**
				41	D^{term}85 (D^{term} Series i)
				42	D^{term}85 (D^{term} Series i) Russian
				43	DT310
				44	DT330
				45	DT330 Chinese
				46	DT510/DT410 **NOTE 5**
				47	DT430
				48	DT430 Chinese

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COMMAND CODE	TITLE:
FA	IP STATION APPARATUS INFORMATION

◀: Default

Y		1ST DATA		INDICATION	
No.	MEANING	DATA	MEANING	DATA	MEANING
01	Read the IP Station type/Digital Multiline Terminal Type (Only display)	X ~ XXXXXXXX	IP Station No.	49 50 70 80 FF NONE◀	DT530 **[9300V7]** DT530 Chinese **[9300V7]** Paging Adapter Standard SIP station Other Logout Status/Disconnected
	NOTE 1: *For 9300V3 software or before, the terminal type is read as "12" (DT710). It is the same for the [System Check and Report] screen and the [Fault Display] screen of PCPro.* **NOTE 2:** *For 9300V3 software or before, the terminal type is read as "13" (DT730/DT710 (Self-Labeling)). It is the same for the [System Check and Report] screen and the [Fault Display] screen of PCPro.* **NOTE 3:** *For 9300V6 software or before, the terminal type is read as "22" (DT830CG). It is the same for the [System Check and Report] screen and the [Fault Display] screen of PCPro.* **NOTE 4:** *The following conditions are applied depending on the SV9300 software version. It is the same for the [System Check and Report] screen and the [Fault Display] screen of PCPro.* • *For 9300V3 STEP2 to 9300V6 software, the terminal type is read as "23" (DT820).* • *For 9300V3 software or before, the terminal type is read as "12" (DT710).* **NOTE 5:** *DT510 is available from 9300V9 software or later. The terminal type between DT510 and DT410 cannot be identified by the system data. Also, DT510 is identified as DT410 when using 9300V6 software or before (DT510 cannot be accommodated to SV9300 when using 9300V7/V8 software).*				
02	Read the IP Station status (Only display)	X ~ XXXXXXXX	IP Station No.	XX...X: Z FF NONE◀	XX...X: IP Address of IP Station Z : IP Station status A: Login N: Disconnected Except for IP Station Logout status/Never been connected
04	Read VoIP Encryption status of DT700/DT800/DT900 series (Only display)			0 1◀	Encryption is effective Encryption is ineffective

Continued on next page

COMMAND CODE	TITLE:
FA	IP STATION APPARATUS INFORMATION

◀: Default

Y		1ST DATA		INDICATION	
No.	MEANING	DATA	MEANING	DATA	MEANING
05	Read the connecting Unit No. for IP Station (Only display)	X ~ XXXXXXXX	IP Station No.	01 ~ 50 FF NONE◀	Unit No. 01 ~ Unit No. 50 Except for IP Station Logout Status/Disconnected
	NOTE 1: *This command is used to confirm the Unit No. from PCPro that the IP Station is currently logged in.* **NOTE 2:** *This feature is available only for IP Multiline Terminal/DT700/DT800/DT900 Series/Standard SIP station/D^term^SP30/SP350/MH240.* **NOTE 3:** *When PCPro is connected to Unit01, you can read all information of IP Stations logged in to the Unit during a normal mode. For IP Stations logged in to the Unit during a survival mode, "NONE" is displayed.* **NOTE 4:** *When PCPro is connected to Unit02-50 during a normal mode, "CM CODE NOT ALLOWED" is displayed when entering the first data (information for IP Station cannot be read).* **NOTE 5:** *When PCPro is connected to Unit02-50 during a survival mode, you can read only the information of IP Station logged in to the Unit.*				
20XX	Execution of ping command sending to Maintenance Port (Only display) XX: 01 (Unit No.)	XXX.XX...X	Sending destination IP address XXX.XXX.XXX.XXX=1.0.0.0-255.255.255.254	XXX.XX...X: Z	XXX.XXX.XXX.XXX=Sending destination IP address Z=ICMP TYPE (0/3/11/12) **NOTE 1, NOTE 2** **NOTE 3, NOTE 4**
30	Read the IP Station number registered in Fixed Connection Mode (Only display) **NOTE 5, NOTE 6**	000 ~ 255	Block No.	X ~ XXXXXXXX CCC NONE◀	IP Station No. Clear No data
50	Read the IP Station firmware's status of automatic update	00	Status of automatic update **NOTE 7**	00 01 10	Not started Now updating Completed
		01	Number of terminal that succeeded in updating	XXXX	Number of succeeded terminal
		02	Number of terminal that failed in updating	XXXX	Number of failed terminal

Continued on next page

COMMAND CODE	TITLE:
FA	IP STATION APPARATUS INFORMATION

NOTE 1: *ICMP TYPE used in this feature is as follows.*

ICMP TYPE	CLASSI-FICATION	GENERAL DESCRIPTION	MEANING
0	Reply	Reply to the echo request by executing the ping command (echo reply).	• Ping reply (ping OK)
3	Reply (error)	Reply message resulting by the ping request has not arrived at a destination. ICMP TYPE=3 is replied if the ping request is rejected by firewall protection. And no reply is received if the ping request cannot arrive at a destination or ping request is disregarded by firewall protection.	• Network unreachable • Host unreachable • Protocol unusable • Port unusable • Fragmentation failed • Source routing failed • Destination network unknown • Destination host unknown • Source host isolated from network • Rejection of destination network • Rejection of destination host • Network unreachable for TOS **NOTE 3** • Communication administratively prohibited by filtering • Host precedence violation • Precedence cutoff in effect
11	Reply (error)	Reply message resulting by time excess. The message of packet discard caused by TTL (Time To Live) becomes 0 during transit, or the message of time excess caused by TTL becomes 0 during waiting for lost fragments for re-assembly.	• TTL becomes 0 during transit • TTL becomes 0 during waiting for lost fragments for re-assembly.
12	Reply (error)	Reply message resulting by the IP header being abnormal or a required option is not effective.	• IP header abnormal • Required options are unknown.

- *Receiving ICMP TYPE=0 (ping reply) from the destination terminal means that the terminal is correctly connected/set.*
- *Receiving ICMP TYPE=3/11/12 (reply [error]) from the destination terminal means that the terminal is not correctly connected/set.*

Continued on next page

COMMAND CODE	TITLE:
FA	IP STATION APPARATUS INFORMATION

NOTE 2: *If ICMP TYPE not listed above is received, "HARDWARE ERROR" is displayed.*

NOTE 3: *TOS (Type of Service) is present in IP header, and represents QoS (Quality of Service). Precedence/delay/throughput/reliability that determine quality are contained within TOS.*

NOTE 4: *This data cannot be set when the first digits of IP address is 0 (ex. 0.XXX.XXX.XXX).*

NOTE 5: *The station number for Fixed Connection Mode registered by CM12 Y=92 is read by this command.*

NOTE 6: *When the 2nd data is set to "CCC", the MAC Address of the appropriate $D^{term}IP$ registered by CM12 Y=92 is cleared.*

NOTE 7: *If you want to interrupt updating or to reset count data, do the following operation.*

[ST] + FA50 + [DE] + 00 + [DE] + CCC + [EXE]

When this operation is performed, the count data which can be read by CMFA Y=50>01/02 is cleared.

COMMAND CODE	TITLE:
FB	REMOTE PROGRAM DOWNLOAD INFORMATION READ, SPEECH SYNTHESIS INFORMATION READ, FAILOVER INFORMATION READ

FUNCTION:

This command is used only for maintenance.
DO NOT USE this command without the assistance of a NEC engineer.

ASSIGNMENT PROCEDURE:

ST + FBYY + DE + 1ST DATA (4 digits) + DE + 2ND DATA (1-10 digits) + EXE

DATA TABLE:

Remote Program Download Information Read

Y		1ST DATA		READOUT DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
00	Remote Program Information Read	aa bb	aa : Unit No. (01-50) bb : CPU program information 02 : SC No. 03 : Major Version 04 : Minor Version + Maintenance Version 06 : Year, Month, Day 17 : CPU0/CPU1 recognition NOTE 22 : Upgraded side of CPU blade: SC No. 23 : Upgraded side of CPU blade: Major Version 24 : Upgraded side of CPU blade: Minor Version + Maintenance Version 26 : Upgraded side of CPU blade: Year, Month, Day 42 : Outdated side of CPU blade: SC No. 43 : Outdated side of CPU blade: Major Version 44 : Outdated side of CPU blade: Minor Version + Maintenance Version 46 : Outdated side of CPU blade: Year, Month, Day	X ~ XXXXX XXXXX	Revision Table

Continued on next page

COMMAND CODE	TITLE:
FB	REMOTE PROGRAM DOWNLOAD INFORMATION READ, SPEECH SYNTHESIS INFORMATION READ, FAILOVER INFORMATION READ

Y		1ST DATA		READOUT DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
10	Remote Program Information Read (For STBY-CPU)	aa bb	aa : Unit No. 01 : Unit01 02-04: Unit02-04 bb : CPU program information 02 : SC No. 03 : Major Version 04 : Minor Version + Maintenance Version 06 : Year, Month, Day 17 : CPU0/CPU1 recognition **NOTE** 22 : Upgraded side of CPU blade: SC No. 23 : Upgraded side of CPU blade: Major Version 24 : Upgraded side of CPU blade: Minor Version + Maintenance Version 26 : Upgraded side of CPU blade: Year, Month, Day 42 : Outdated side of CPU blade: SC No. 43 : Outdated side of CPU blade: Major Version 44 : Outdated side of CPU blade: Minor Version + Maintenance Version 46 : Outdated side of CPU blade: Year, Month, Day	X ~ XXXXX XXXXX	Revision Table

NOTE: *When the first data is set to "XX17", the meanings of readout data is as follows.*
- *Readout data "0" : CPU0*
- *Readout data "1" : CPU1*
- *Readout data "NONE": Not provided (Accommodated in 1U module)*

Continued on next page

COMMAND CODE	TITLE:
FB	REMOTE PROGRAM DOWNLOAD INFORMATION READ, SPEECH SYNTHESIS INFORMATION READ, FAILOVER INFORMATION READ

Speech Synthesis Information Read
[9300V3]

Y		1ST DATA		READOUT DATA	
No.	**MEANING**	**DATA**	**MEANING**	**DATA**	**MEANING**
03	Speech Synthesis Information Read	aa bb	aa : Unit No. (01-50) bb : Speech Synthesis information 02 : SC No. 03 : Major Version 04 : Minor Version + Maintenance Version 06 : Year, Month, Day	X ~ XXXXX XXXXX	Revision Table
11	Speech Synthesis Information Read (For STBY-CPU)	aa bb	aa : Unit No. 01 : Unit01 02-04: Unit02-04 bb : Speech Synthesis information 02 : SC No. 03 : Major Version 04 : Minor Version + Maintenance Version 06 : Year, Month, Day	X ~ XXXXX XXXXX	Revision Table

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COMMAND CODE	TITLE:
FB	REMOTE PROGRAM DOWNLOAD INFORMATION READ, SPEECH SYNTHESIS INFORMATION READ, FAILOVER INFORMATION READ

Failover Information Read

Y		1ST DATA		2ND DATA	
No.	**MEANING**	**DATA**	**MEANING**	**DATA**	**MEANING**
20	Failover Information Read	XX00	Unit operation status (Only display) XX: Unit No. (01-50) NOTE 2	00 01 10 11 12 20 21 22 23 NONE	Primary Unit: Disconnect Primary Unit: Operating normally Secondary Unit: Disconnect Secondary Unit: Normal mode Secondary Unit: Failover mode Remote Unit: Disconnect Remote Unit: Normal mode (Connecting to Primary Unit) Remote Unit: Normal mode (Connecting to Secondary Unit) Remote Unit: Survival mode No Unit installed
		XX01	Connection status with Primary Unit/Secondary Unit (Only display) XX: Unit No. (01-50) NOTE 2	00 01 10 11	Primary Unit: Disconnect Secondary Unit: Disconnect Primary Unit: Disconnect Secondary Unit: Connect Primary Unit: Connect Secondary Unit: Disconnect Primary Unit: Connect Secondary Unit: Connect
		XX99	Unit Reset XX: Unit No. (02-50)	0 1	Reset unavailable NOTE 3 Reset available
				9999	Reset execution NOTE 4

NOTE 1: *This command is valid only when the system is under online-mode.*

NOTE 2: *This data can be set from PCPro connecting to Primary Unit, or Secondary Unit in Failover mode.*

NOTE 3: *The case when CMFB Y=20>XX99: 0 is displayed is as follows.*
- *The specified unit is disconnected.*
- *The specified unit is downloading the firmware of Access Blade/VoIPDB.*

NOTE 4: *When executing CMFB Y=20>XX99: 9999, the target unit is started to reset immediately. Secondary Unit and Remote Unit can be reset from Primary Unit by this data. Remote Unit can be reset from Secondary Unit in Failover mode by this data. No units can be reset from Remote Unit by this data.*

COMMAND CODE	TITLE:
FC	VoIPDB INFORMATION READ

FUNCTION:

This command is used to read out the VoIPDB information.

PRECAUTION:

None

ASSIGNMENT PROCEDURE:

ST + FCYY + DE + 1ST DATA (4 digits) + DE

DATA TABLE:

◀: Default

Y		1ST DATA		READOUT DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
01 ~ 50	Unit01 ~ Unit50	0003 0103	VoIPDB Kind Display (Only Display) VoIPDB Kind Display (Only Display) (STBY) NOTE 2	72 74 NONE◀	GPZ-64IPLD GPZ-128IPLD VoIPDB is not accommodated/ VoIPDB failed to start

Continued on next page

COMMAND CODE	TITLE:
FC	VoIPDB INFORMATION READ

◀: Default

Y		1ST DATA		READOUT DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
01 ~ 50	Unit01 ~ Unit50	XXX X	XXX X *a *b *a: Type of VoIPDB firmware revision 100: Firmware version on the VoIPDB 102: Firmware version of the VoIPDB supplied with the basic software 110: Firmware version on the VoIPDB (For STBY-CPU) 112: Firmware version of the VoIPDB supplied with the basic software (For STBY-CPU) *b: VoIPDB program information 2: SC No. 3: Official Version 4: Official Revision 6: Year, Month, Day NOTE 2	X ~ XXXX XXXX	VoIPDB information NOTE 3 NOTE 4
		0026	Latest SNTP Result NOTE 5	0 1 2 3 4 5 6 NONE◀	Success Internal Error (Undefined) No response (time out) Internal Error (API arguments error in VoIPDB) Internal Error (Socket error in VoIPDB) Internal Error (Out of memory in VoIPDB) Unsupported VoIPDB Untried

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COMMAND CODE	TITLE:
FC	VoIPDB INFORMATION READ

◀: Default

Y		1ST DATA		2ND DATA	
No.	MEANING	DATA	MEANING	DATA	MEANING
01 ~ 50	Unit01 ~ Unit50	027	Latest Previous time of SNTP execution NOTE 5	aaaabb ccddee NONE◀	aaaa: Year (2014-2099) bb : Month (01-12) cc : Day (01-31) dd : Hour (00-23) ee : Minute (00-59) Not executed

NOTE 1: *This command is valid only when the system is under on-line mode.*

NOTE 2: *By CAT or PCPro connected to Unit01, VoIPDB information of all units can be read out. By PCPro connected to Unit02-50, VoIPDB firmware information can be read out only each unit connected to PCPro.*

NOTE 3: *The following shows a display example of VoIPDB information for SC-4145 A1 1.00.*
- *The first data "XXX2"(SC No.) 4145*
- *The first data "XXX3"(Official Version) A1*
- *The first data "XXX4"(Official Revision).....0001.00*
- *The first data "XXX6"(Year, Month, Day) 2014/05/30*

NOTE 4: *When VoIPDB is not installed, "HARDWARE ERROR" is displayed.*

NOTE 5: *The first data 0026 and 0027 are available to read out the Unit01 information only.*

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TERMINAL KEY ASSIGNMENT

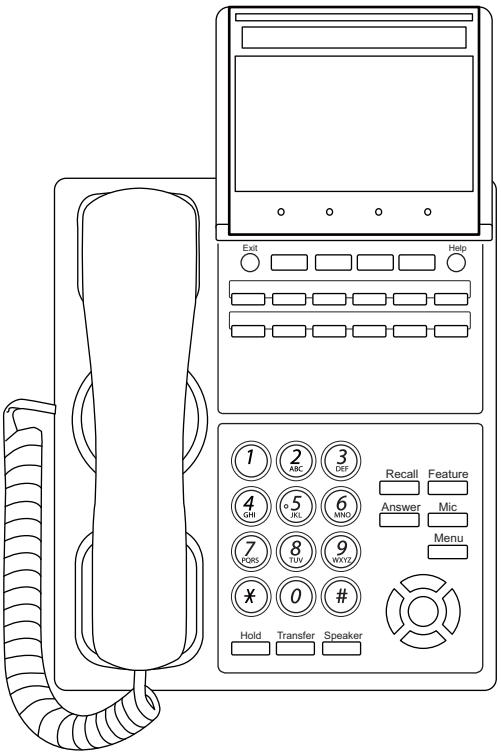
Appendix

A

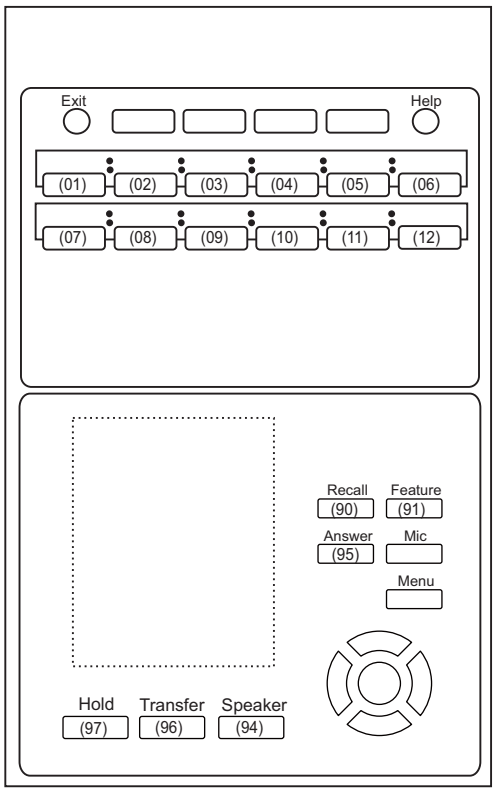
This appendix contains the key number layout of each DT300/DT400/DT500/DT700/DT800/DT900 Series, D^{term}Series i, D^{term}IP, DESKCON, DSS Console, and Add-On Module.
Refer to this appendix when you assign a key function by CM90 or CM97.

DT300/DT400/DT500/DT700/DT800 Series Key Numbers

Example: DT830 (12 Line/Trunk/Feature Keys)



Key Numbers



NOTE: *The table below shows the key layout for Line/Trunk/Feature Keys and One Touch Keys of the Multiline Terminals.*

CM12 Y=24: 7 (A mode)	CM12 Y=24: 0 (B mode)
LINE01 LINE02 LINE03 LINE04 LINE05 LINE06 LINE07 LINE08 LINE09 LINE10 LINE11 LINE12	Same as CM12 Y=24: 7 (A mode)

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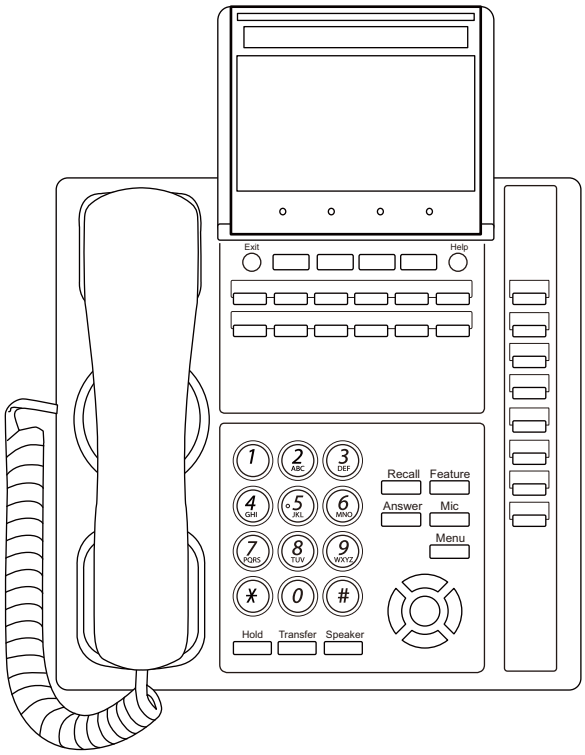
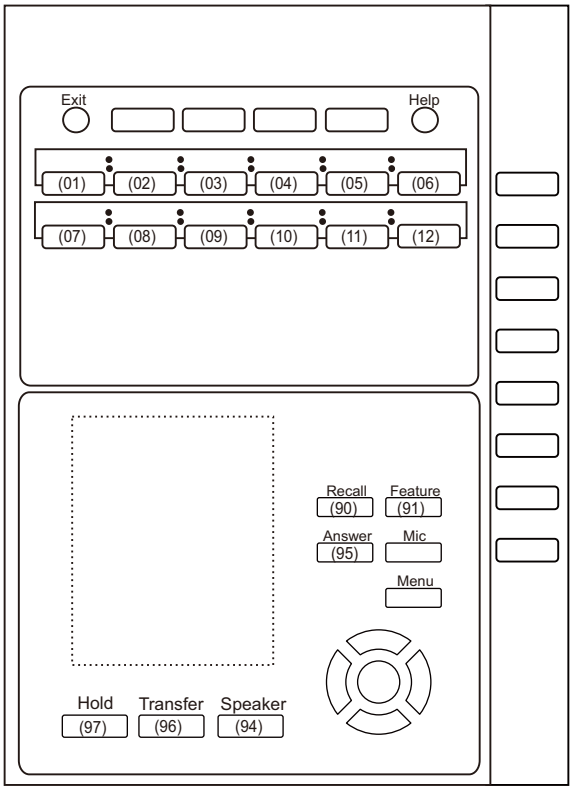
DT300/DT400/DT500/DT700/DT800 Series Key Numbers

Example: DT830 (12 Line/Trunk/Feature Keys + 8LK)



Key Numbers



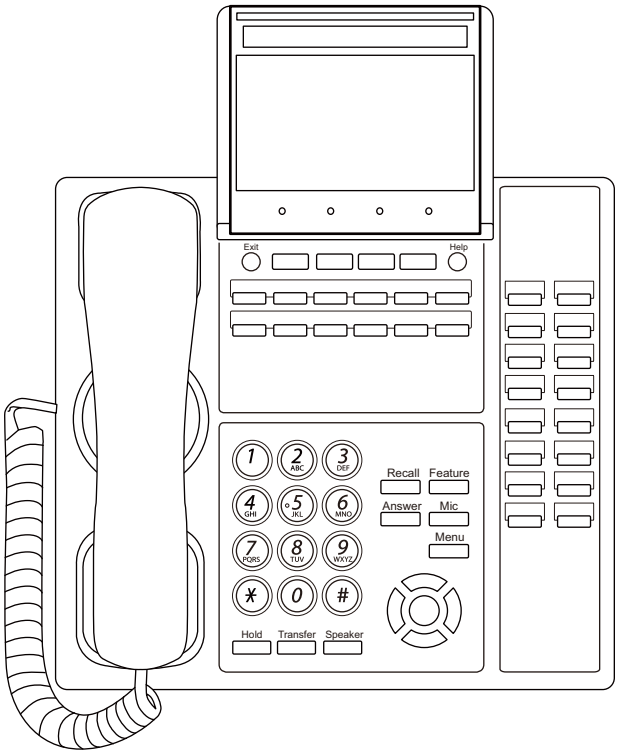
NOTE: *The table below shows the key layout for Line/Trunk/Feature Keys and One Touch Keys of the Multiline Terminals.*

CM12 Y=24: 7 (A mode)	CM12 Y=24: 0 (B mode)
LINE01 LINE02 LINE03 LINE04 LINE05 LINE06 DSS LINE07 LINE08 LINE09 LINE10 LINE11 LINE12 DSS DSS DSS DSS DSS DSS DSS	Same as CM12 Y=24: 7 (A mode)

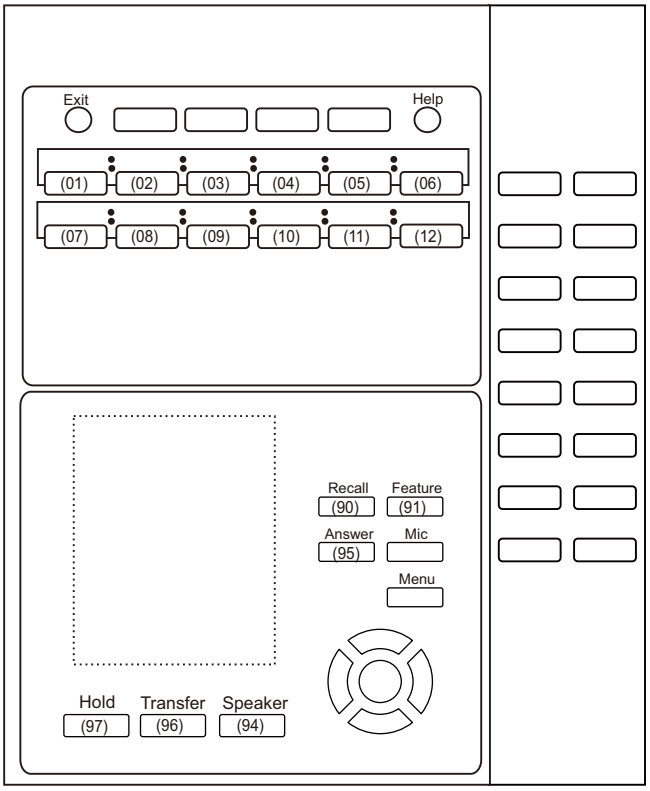
Continued on next page

DT300/DT400/DT500/DT700/DT800 Series Key Numbers

Example: DT830 (12 Line/Trunk/Feature Keys + 16LK)



Key Numbers



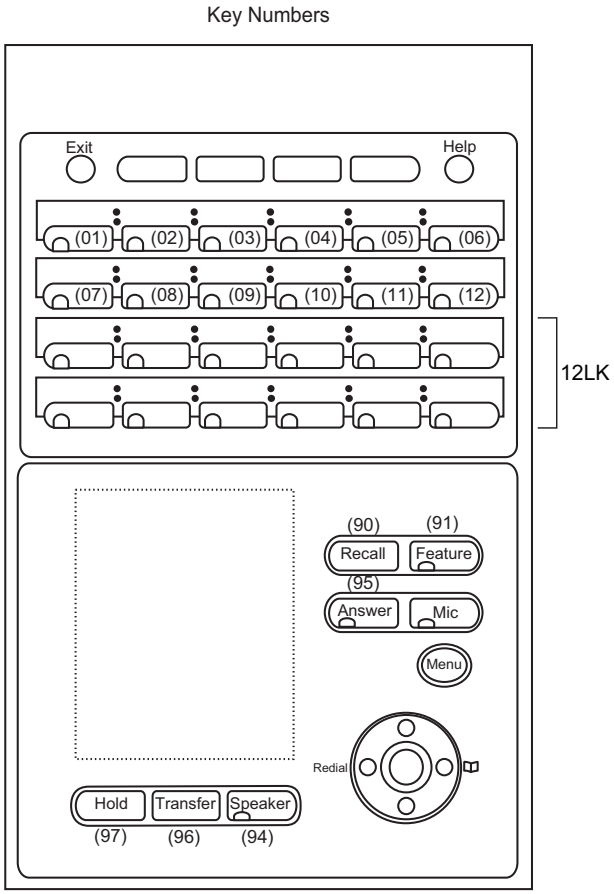
NOTE: *The table below shows the key layout for Line/Trunk/Feature Keys and One Touch Keys of the Multiline Terminals.*

CM12 Y=24: 7 (A mode)	CM12 Y=24: 0 (B mode)
LINE01 LINE02 LINE03 LINE04 LINE05 LINE06 DSS DSS LINE07 LINE08 LINE09 LINE10 LINE11 LINE12 DSS DSS DSS DSS DSS DSS DSS DSS DSS DSS DSS DSS DSS DSS	Same as CM12 Y=24: 7 (A mode)

Continued on next page

DT300/DT700 Series Key Numbers

Example: DT730 (12 Line/Trunk/Feature Keys + 12 Line Keys Line Cover Panel)



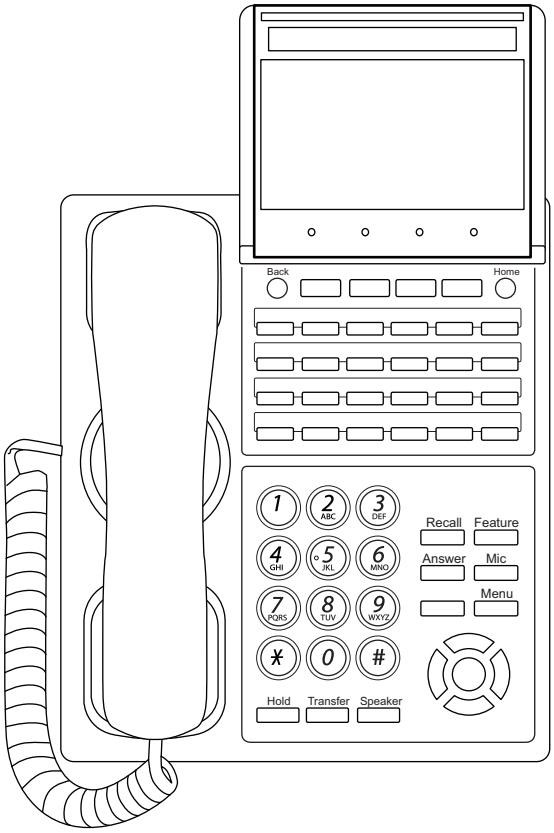
NOTE: *The table below shows the key layout for Line/Trunk/Feature Keys and One Touch Keys of the Multiline Terminals.*

CM12 Y=24: 7 (A mode)	CM12 Y=24: 0 (B mode)
LINE01 LINE02 LINE03 LINE04 LINE05 LINE06	LINE01 LINE02 LINE03 LINE04 LINE05 LINE06
LINE07 LINE08 LINE09 LINE10 LINE11 LINE12	LINE07 LINE08 LINE09 LINE10 LINE11 LINE12
LINE13 LINE14 LINE15 LINE16 LINE17 LINE18	LINE13 LINE14 LINE15 LINE16 LINE17 LINE18
DSS DSS DSS DSS DSS DSS	LINE19 LINE20 LINE21 LINE22 LINE23 LINE24

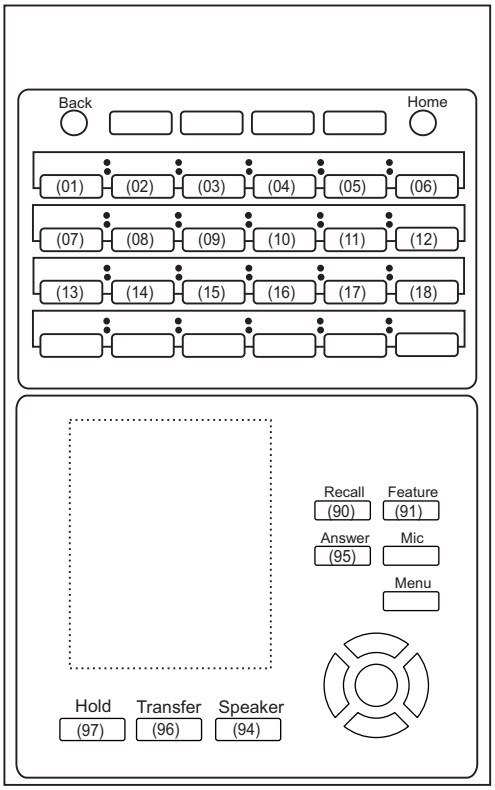
Continued on next page

DT300/DT400/DT500/DT700/DT800/DT900 Series Key Numbers

Example: DT930 (24 Line/Trunk/Feature Keys)



Key Numbers



NOTE: *The table below shows the key layout for Line/Trunk/Feature Keys and One Touch Keys of the Multiline Terminals.*

CM12 Y=24: 7 (A mode)	CM12 Y=24: 0 (B mode)
LINE01 LINE02 LINE03 LINE04 LINE05 LINE06 LINE07 LINE08 LINE09 LINE10 LINE11 LINE12 LINE13 LINE14 LINE15 LINE16 LINE17 LINE18 DSS DSS DSS DSS DSS DSS	LINE01 LINE02 LINE03 LINE04 LINE05 LINE06 LINE07 LINE08 LINE09 LINE10 LINE11 LINE12 LINE13 LINE14 LINE15 LINE16 LINE17 LINE18 LINE19 LINE20 LINE21 LINE22 LINE23 LINE24

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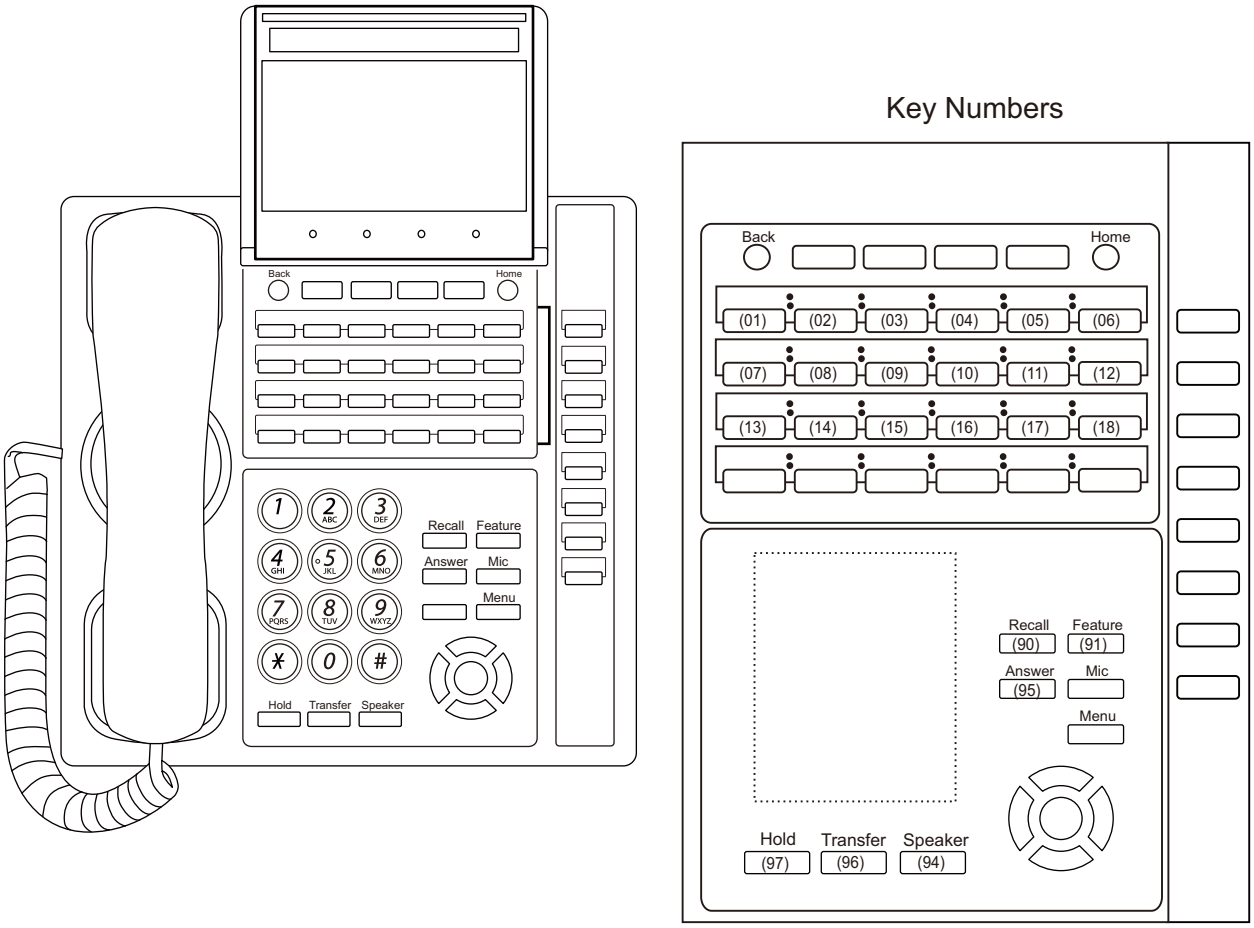
DT300/DT400/DT500/DT700/DT800/DT900 Series Key Numbers

Example: DT930 (24 Line/Trunk/Feature Keys + 8LK)



NOTE: *The table below shows the key layout for Line/Trunk/Feature Keys and One Touch Keys of the Multiline Terminals.*

CM12 Y=24: 7 (A mode)							CM12 Y=24: 0 (B mode)						
LINE01	LINE02	LINE03	LINE04	LINE05	LINE06	DSS	LINE01	LINE02	LINE03	LINE04	LINE05	LINE06	DSS
LINE07	LINE08	LINE09	LINE10	LINE11	LINE12	DSS	LINE07	LINE08	LINE09	LINE10	LINE11	LINE12	DSS
LINE13	LINE14	LINE15	LINE16	LINE17	LINE18	DSS	LINE13	LINE14	LINE15	LINE16	LINE17	LINE18	DSS
DSS	DSS	DSS	DSS	DSS	DSS	DSS	LINE19	LINE20	LINE21	LINE22	LINE23	LINE24	DSS
						DSS							DSS
						DSS							DSS
						DSS							DSS
						DSS							DSS

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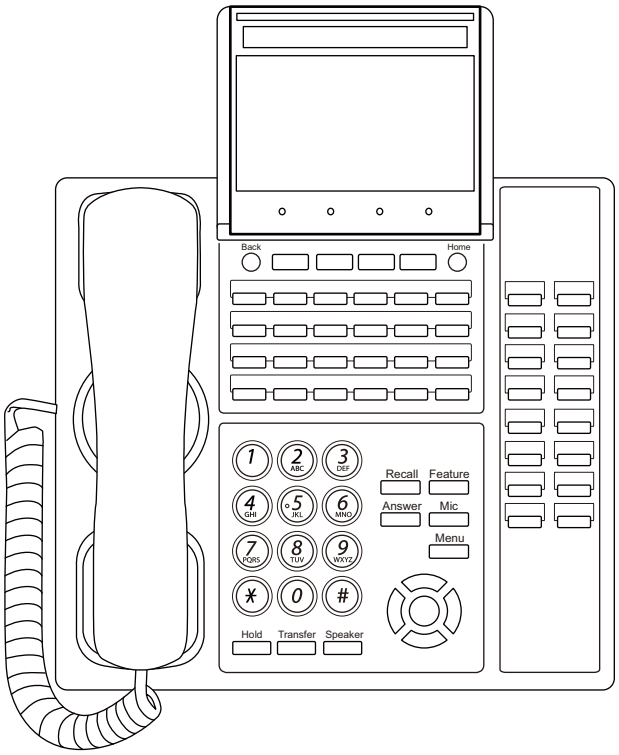
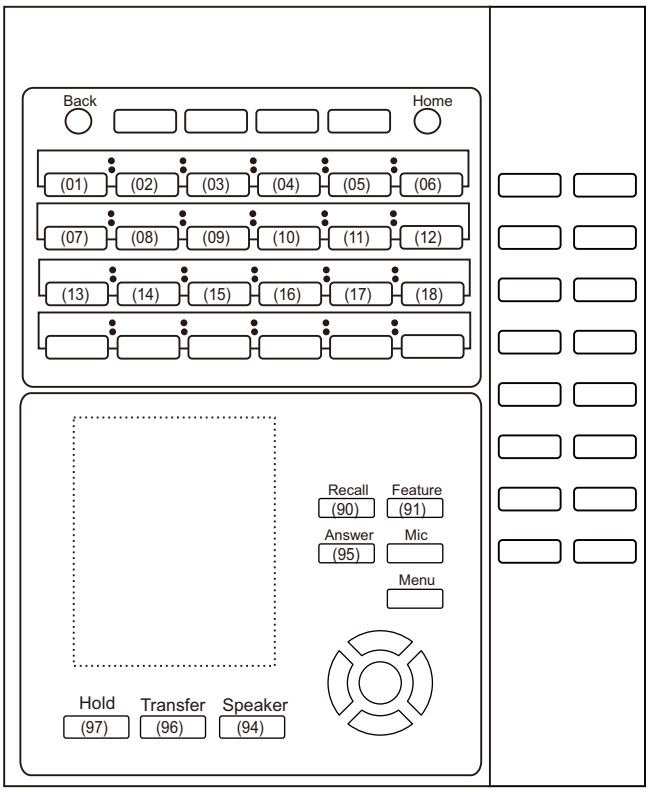
DT300/DT400/DT500/DT700/DT800/DT900 Series Key Numbers

Example: DT930 (24 Line/Trunk/Feature Keys + 16LK)



Key Numbers



NOTE: *The table below shows the key layout for Line/Trunk/Feature Keys and One Touch Keys of the Multiline Terminals.*

CM12 Y=24: 7 (A mode)								CM12 Y=24: 0 (B mode)							
LINE01	LINE02	LINE03	LINE04	LINE05	LINE06	DSS	DSS	LINE01	LINE02	LINE03	LINE04	LINE05	LINE06	DSS	DSS
LINE07	LINE08	LINE09	LINE10	LINE11	LINE12	DSS	DSS	LINE07	LINE08	LINE09	LINE10	LINE11	LINE12	DSS	DSS
LINE13	LINE14	LINE15	LINE16	LINE17	LINE18	DSS	DSS	LINE13	LINE14	LINE15	LINE16	LINE17	LINE18	DSS	DSS
DSS	DSS	DSS	DSS	DSS	DSS	DSS	DSS	LINE19	LINE20	LINE21	LINE22	LINE23	LINE24	DSS	DSS
						DSS	DSS							DSS	DSS
						DSS	DSS							DSS	DSS
						DSS	DSS							DSS	DSS
						DSS	DSS							DSS	DSS

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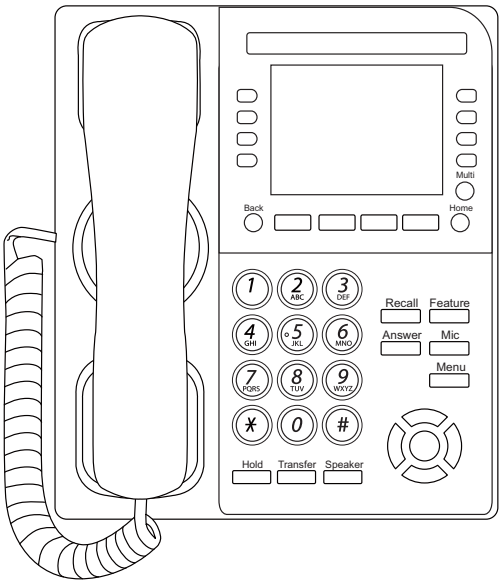
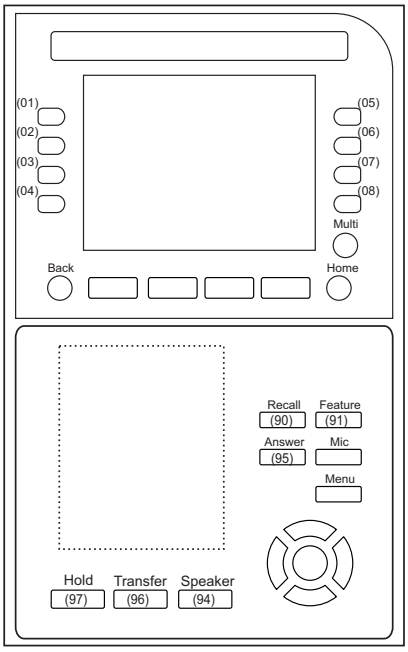
DT900 Series Key Numbers

Example: DT920 Self-Labeling (8 Line/Trunk/Feature Keys)



Key Numbers



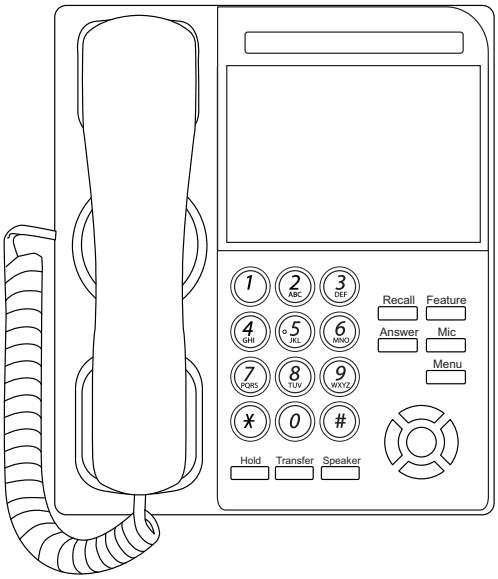
NOTE: *The table below shows the key layout for Line/Trunk/Feature Keys and One Touch Keys of the Multiline Terminals. When the scroll key is pushed down, the screen is switched as shown below.*

CM12 Y=24: 7 (A mode)			CM12 Y=24: 0 (B mode)		
Front Page	LINE01	LINE05	Front Page	LINE01	LINE05
	LINE02	LINE06		LINE02	LINE06
	LINE03	LINE07		LINE03	LINE07
	LINE04	LINE08		LINE04	LINE08
Page 2	LINE09	LINE13	Page 2	LINE09	LINE13
	LINE10	LINE14		LINE10	LINE14
	LINE11	LINE15		LINE11	LINE15
	LINE12	LINE16		LINE12	LINE16
Page 3	DSS	DSS	Page 3	LINE17	LINE21
	DSS	DSS		LINE18	LINE22
	DSS	DSS		LINE19	LINE23
	DSS	DSS		LINE20	LINE24
Page 4	DSS	DSS	Page 4	DSS	DSS
	DSS	DSS		DSS	DSS
	DSS	DSS		DSS	DSS
	DSS	DSS		DSS	DSS

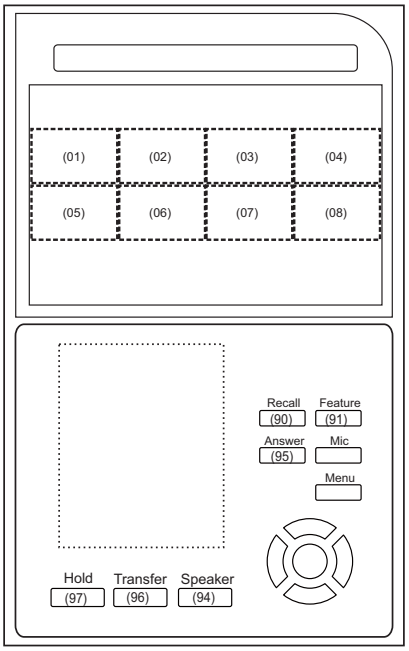
Continued on next page

DT900 Series Key Numbers

Example: DT930 Touch Panel



Key Numbers



NOTE: *The table below shows the key layout for Line/Trunk/Feature Keys and One Touch Keys of the Multiline Terminals. When the scroll key is pushed down, the screen is switched as shown below.*

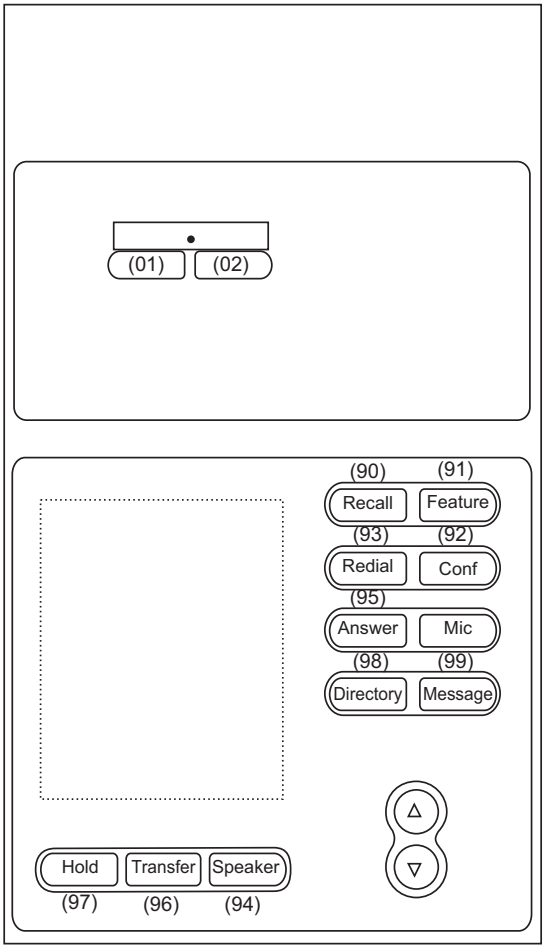
CM12 Y=24: 7 (A mode)					CM12 Y=24: 0 (B mode)				
Front Page	LINE01	LINE02	LINE03	LINE04	Front Page	LINE01	LINE02	LINE03	LINE04
	LINE05	LINE06	LINE07	LINE08		LINE05	LINE06	LINE07	LINE08
Page 2	LINE09	LINE10	LINE11	LINE12	Page 2	LINE09	LINE10	LINE11	LINE12
	LINE13	LINE14	LINE15	LINE16		LINE13	LINE14	LINE15	LINE16
Page 3	DSS	DSS	DSS	DSS	Page 3	LINE17	LINE18	LINE19	LINE20
	DSS	DSS	DSS	DSS		LINE21	LIN22	LINE23	LINE24
Page 4	DSS	DSS	DSS	DSS	Page 4	DSS	DSS	DSS	DSS
	DSS	DSS	DSS	DSS		DSS	DSS	DSS	DSS

Continued on next page

DT400 Series Key Numbers

Example: DT410 (2 Line/Trunk/Feature Keys)

Key Numbers



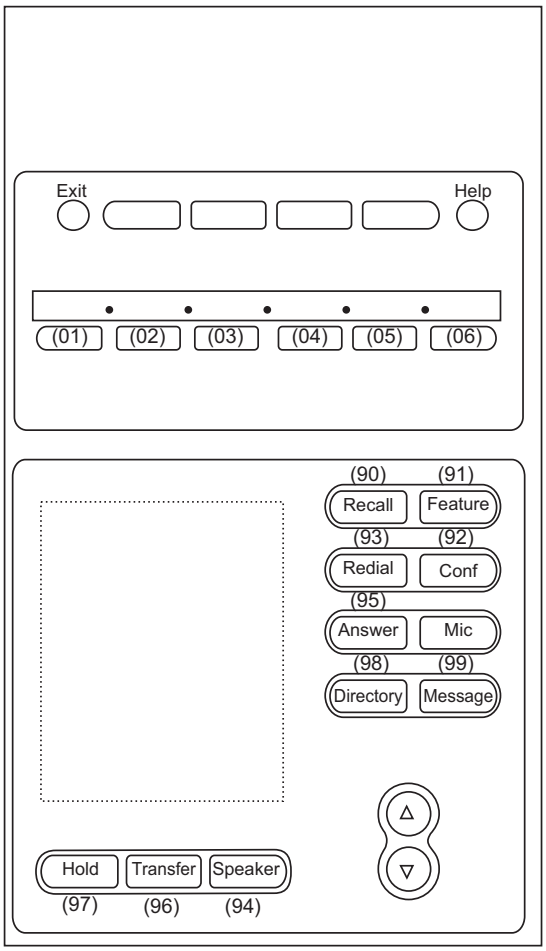
NOTE: *The table below shows the key layout for Line/Trunk/Feature Keys of the Multiline Terminals.*

CM12 Y=24: 7 (A mode)	CM12 Y=24: 0 (B mode)
LINE01 LINE02	Same as CM12 Y=24: 7 (A mode)

Continued on next page

DT400 Series Key Numbers

Example: DT410 (6 Line/Trunk/Feature Keys)



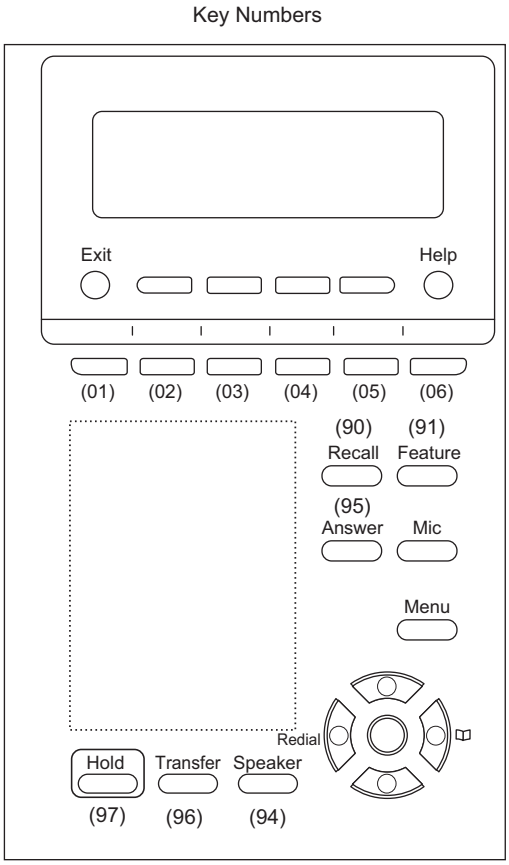
NOTE: *The table below shows the key layout for Line/Trunk/Feature Keys and One Touch Keys of the Multiline Terminals.*

CM12 Y=24: 7 (A mode)	CM12 Y=24: 0 (B mode)
LINE01 LINE02 LINE03 LINE04 LINE05 LINE06	Same as CM12 Y=24: 7 (A mode)

Continued on next page

DT800 Series Key Numbers

Example: DT820 (6 Line/Trunk/Feature Keys)



NOTE: *The table below shows the key layout for Line/Trunk Feature Keys of the Multiline Terminals.*

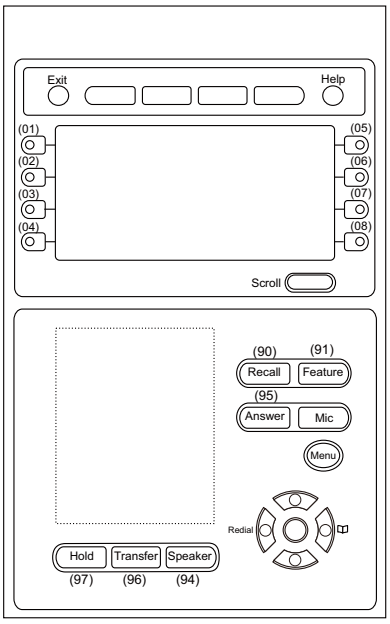
CM12 Y=24: 7 (A mode)	CM12 Y=24: 0 (B mode)
LINE01 LINE02 LINE03 LINE04 LINE05 LINE06	Same as CM12 Y=24: 7 (A mode)

Continued on next page

DT400/DT800 Series Key Numbers

Example: DT830 DESI-less (8 Line/Trunk/Feature Keys)

Key Numbers



NOTE: *The table below shows the key layout for Line/Trunk/Feature Keys and One Touch Keys of the Multiline Terminals. When the scroll key is pushed down, the screen is switched as shown below.*

CM12 Y=24: 7 (A mode)			CM12 Y=24: 0 (B mode)		
Front Page	LINE01	LINE05	Front Page	LINE01	LINE05
	LINE02	LINE06		LINE02	LINE06
	LINE03	LINE07		LINE03	LINE07
	LINE04	LINE08		LINE04	LINE08
Page 2	LINE09	LINE13	Page 2	LINE09	LINE13
	LINE10	LINE14		LINE10	LINE14
	LINE11	LINE15		LINE11	LINE15
	LINE12	LINE16		LINE12	LINE16
Page 3	DSS	DSS	Page 3	LINE17	LINE21
	DSS	DSS		LINE18	LINE22
	DSS	DSS		LINE19	LINE23
	DSS	DSS		LINE20	LINE24
Page 4	DSS	DSS	Page 4	DSS	DSS
	DSS	DSS		DSS	DSS
	DSS	DSS		DSS	DSS
	DSS	DSS		DSS	DSS

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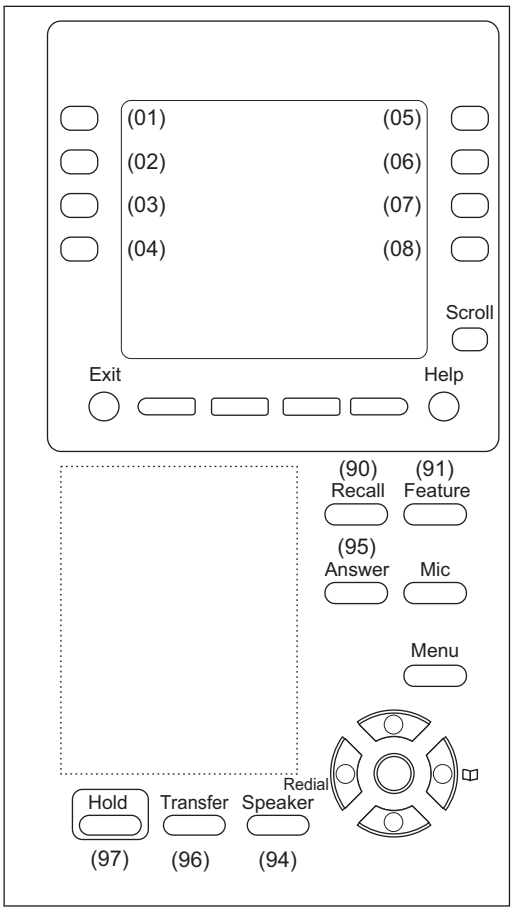
DT800 Series Key Numbers

Example: DT820 DESI-less (8 Line/Trunk/Feature Keys)

Key Numbers



NOTE 1: *The table below shows the key layout for Line/Trunk Feature Keys and One Touch Keys of the Multiline Terminals. When the scroll key is pushed down, the screen is switched as shown.*

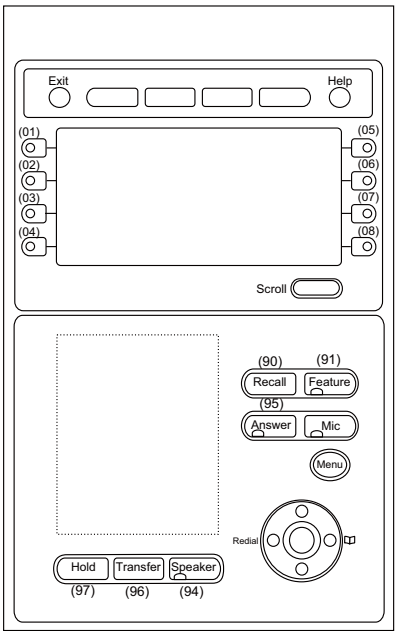
CM12 Y=24: 7 (A mode)			CM12 Y=24: 0 (B mode)		
Front Page	LINE01	LINE05	Front Page	LINE01	LINE05
	LINE02	LINE06		LINE02	LINE06
	LINE03	LINE07		LINE03	LINE07
	LINE04	LINE08		LINE04	LINE08
Page 2	LINE09	LINE13	Page 2	LINE09	LINE13
	LINE10	LINE14		LINE10	LINE14
	LINE11	LINE15		LINE11	LINE15
	LINE12	LINE16		LINE12	LINE16
Page 3	DSS	DSS	Page 3	LINE17	LINE21
	DSS	DSS		LINE18	LINE22
	DSS	DSS		LINE19	LINE23
	DSS	DSS		LINE20	LINE24
Page 4	DSS	DSS	Page 4	DSS	DSS
	DSS	DSS		DSS	DSS
	DSS	DSS		DSS	DSS
	DSS	DSS		DSS	DSS

NOTE 2: *The number of available screens is restricted one to four screens by the terminal license. If there is a no license, only one screen is available.*

DT300/DT700 Series Key Numbers

Example: DT730 DESI-less (8 Line/Trunk/Feature Keys)

Key Numbers



NOTE: *The table below shows the key layout for Line/Trunk/Feature Keys and One Touch Keys of the Multiline Terminals. When the scroll key is pushed down, the screen is switched as shown below.*

CM12 Y=24: 7 (A mode)			CM12 Y=24: 0 (B mode)		
Front Page	LINE01	LINE05	Front Page	LINE01	LINE05
	LINE02	LINE06		LINE02	LINE06
	LINE03	LINE07		LINE03	LINE07
	LINE04	LINE08		LINE04	LINE08
Page 2	LINE09	LINE13	Page 2	LINE09	LINE13
	LINE10	LINE14		LINE10	LINE14
	LINE11	LINE15		LINE11	LINE15
	LINE12	LINE16		LINE12	LINE16
Page 3	DSS	DSS	Page 3	LINE17	LINE21
	DSS	DSS		LINE18	LINE22
	DSS	DSS		LINE19	LINE23
	DSS	DSS		LINE20	LINE24
Page 4	DSS	DSS	Page 4	DSS	DSS
	DSS	DSS		DSS	DSS
	DSS	DSS		DSS	DSS
	DSS	DSS		DSS	DSS

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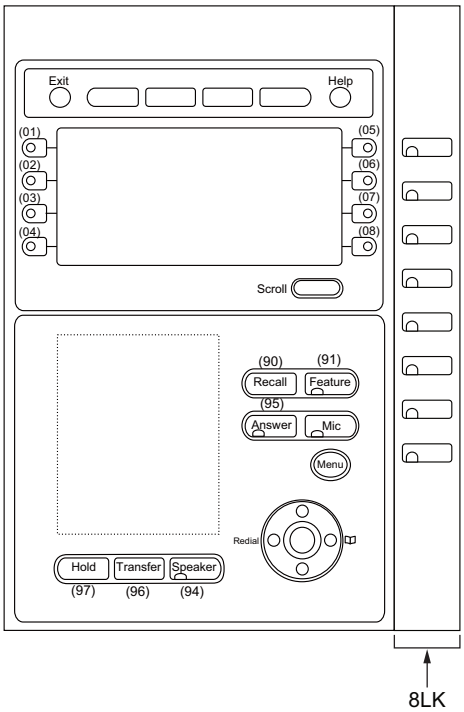
DT300/DT700 Series Key Number

Example: DT730 DESI-less (8 Line/Trunk/Feature Keys + 8LK)



NOTE: *The table below shows the key layout for Line/Trunk/Feature Keys and One Touch Keys of the Multiline Terminals. When the scroll key is pushed down, the screen is switched as shown below.*

CM12 Y=24: 7 (A mode)			CM12 Y=24: 0 (B mode)		
Front Page	LINE01	LINE05	Front Page	LINE01	LINE05
	LINE02	LINE06		LINE02	LINE06
	LINE03	LINE07		LINE03	LINE07
	LINE04	LINE08		LINE04	LINE08
Page 2	LINE09	LINE13	Page 2	LINE09	LINE13
	LINE10	LINE14		LINE10	LINE14
	LINE11	LINE15		LINE11	LINE15
	LINE12	LINE16		LINE12	LINE16
Page 3	DSS	DSS	Page 3	LINE17	LINE21
	DSS	DSS		LINE18	LINE22
	DSS	DSS		LINE19	LINE23
	DSS	DSS		LINE20	LINE24
Page 4	DSS	DSS	Page 4	DSS	DSS
	DSS	DSS		DSS	DSS
	DSS	DSS		DSS	DSS
	DSS	DSS		DSS	DSS

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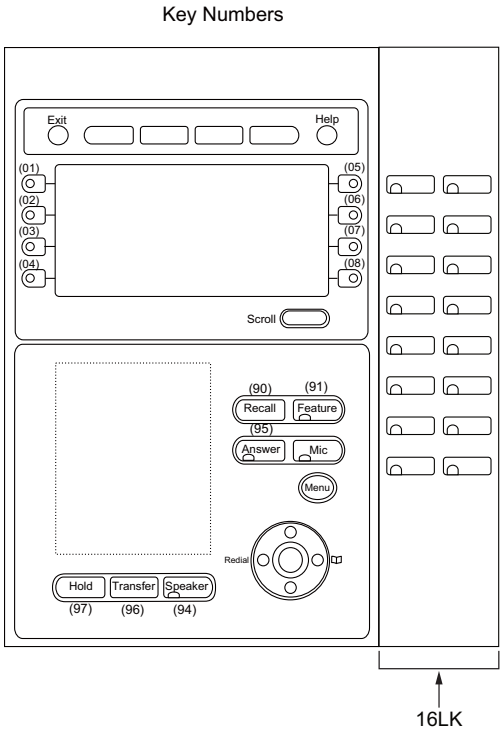
DT300/DT700 Series Key Numbers

Example: DT730 DESI-less (8 Line/Trunk/Feature Keys + 16LK)



NOTE: *The table below shows the key layout for Line/Trunk/Feature Keys and One Touch Keys of the Multiline Terminals. When the scroll key is pushed down, the screen is switched as shown below.*

CM12 Y=24: 7 (A mode)					CM12 Y=24: 0 (B mode)				
Front Page	LINE01	LINE05	DSS	DSS	Front Page	LINE01	LINE05	DSS	DSS
	LINE02	LINE06	DSS	DSS		LINE02	LINE06	DSS	DSS
	LINE03	LINE07	DSS	DSS		LINE03	LINE07	DSS	DSS
	LINE04	LINE08	DSS	DSS		LINE04	LINE08	DSS	DSS
Page 2	LINE09	LINE13	DSS	DSS	Page 2	LINE09	LINE13	DSS	DSS
	LINE10	LINE14	DSS	DSS		LINE10	LINE14	DSS	DSS
	LINE11	LINE15	DSS	DSS		LINE11	LINE15	DSS	DSS
	LINE12	LINE16	DSS	DSS		LINE12	LINE16	DSS	DSS
Page 3	DSS	DSS	DSS	DSS	Page 3	LINE17	LINE21	DSS	DSS
	DSS	DSS				LINE18	LINE22		
	DSS	DSS				LINE19	LINE23		
	DSS	DSS				LINE20	LINE24		
Page 4	DSS	DSS			Page 4	DSS	DSS		
	DSS	DSS				DSS	DSS		
	DSS	DSS				DSS	DSS		
	DSS	DSS				DSS	DSS		

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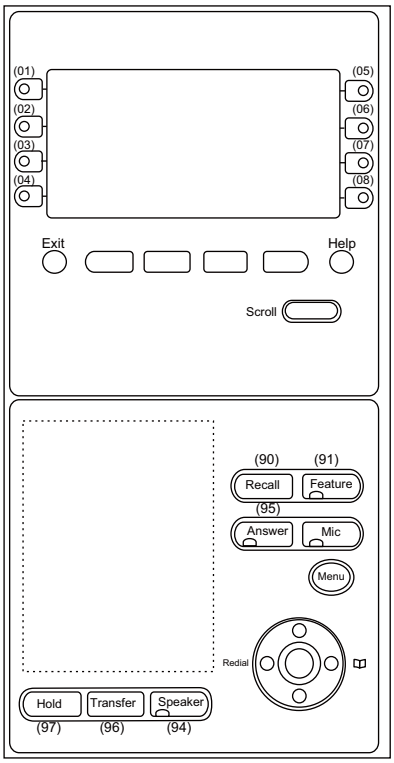
DT700 Series Key Numbers

Example: DT710 (8 Line/Trunk/Feature Keys)

Key Numbers



NOTE: *The table below shows the key layout for Line/Trunk/Feature Keys and One Touch Keys of the Multiline Terminals.*

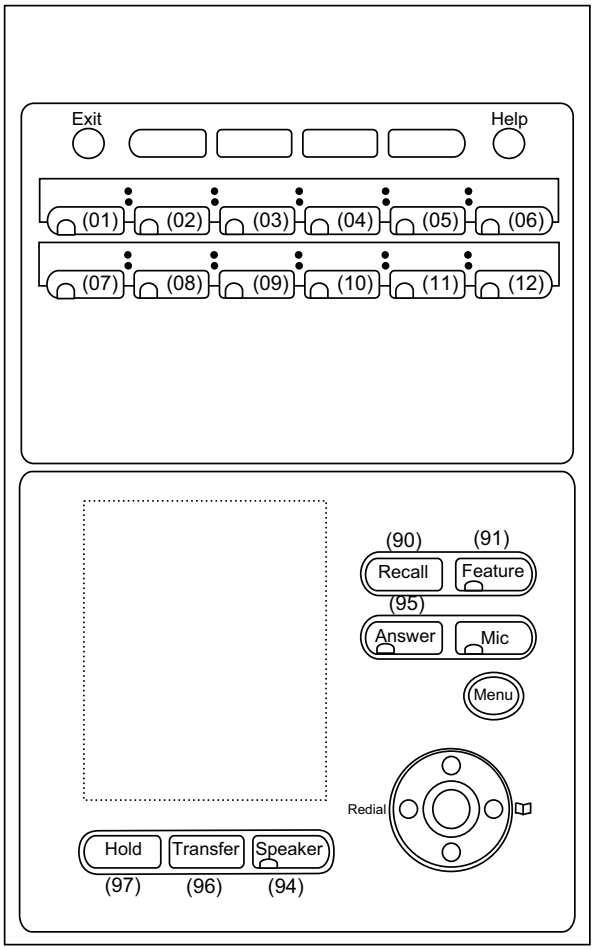
CM12 Y=24: 7 (A mode)	CM12 Y=24: 0 (B mode)
LINE01 / LINE05 LINE02 / LINE06 LINE03 / LINE07 LINE04 / LINE08	Same as CM12 Y=24: 7 (A mode)

Continued on next page

DT300 Series Key Numbers

Example: DT330 Cordless Phone (8 Line/Trunk/Feature Keys)

Key Numbers



NOTE: *The table below shows the key layout for Line/Trunk/Feature Keys and One Touch Keys of the Multiline Terminals.*

CM12 Y=24: 7 (A mode)	CM12 Y=24: 0 (B mode)
LINE01 LINE02 LINE03 LINE04 LINE05 LINE06 LINE07 LINE08 LINE09 LINE10 LINE11 LINE12 • The key layout of the Cordless Handset is as follows. LINE01 LINE02 LINE03 LINE04 LINE05 LINE06 LINE07 LINE08	Same as CM12 Y=24: 7 (A mode)

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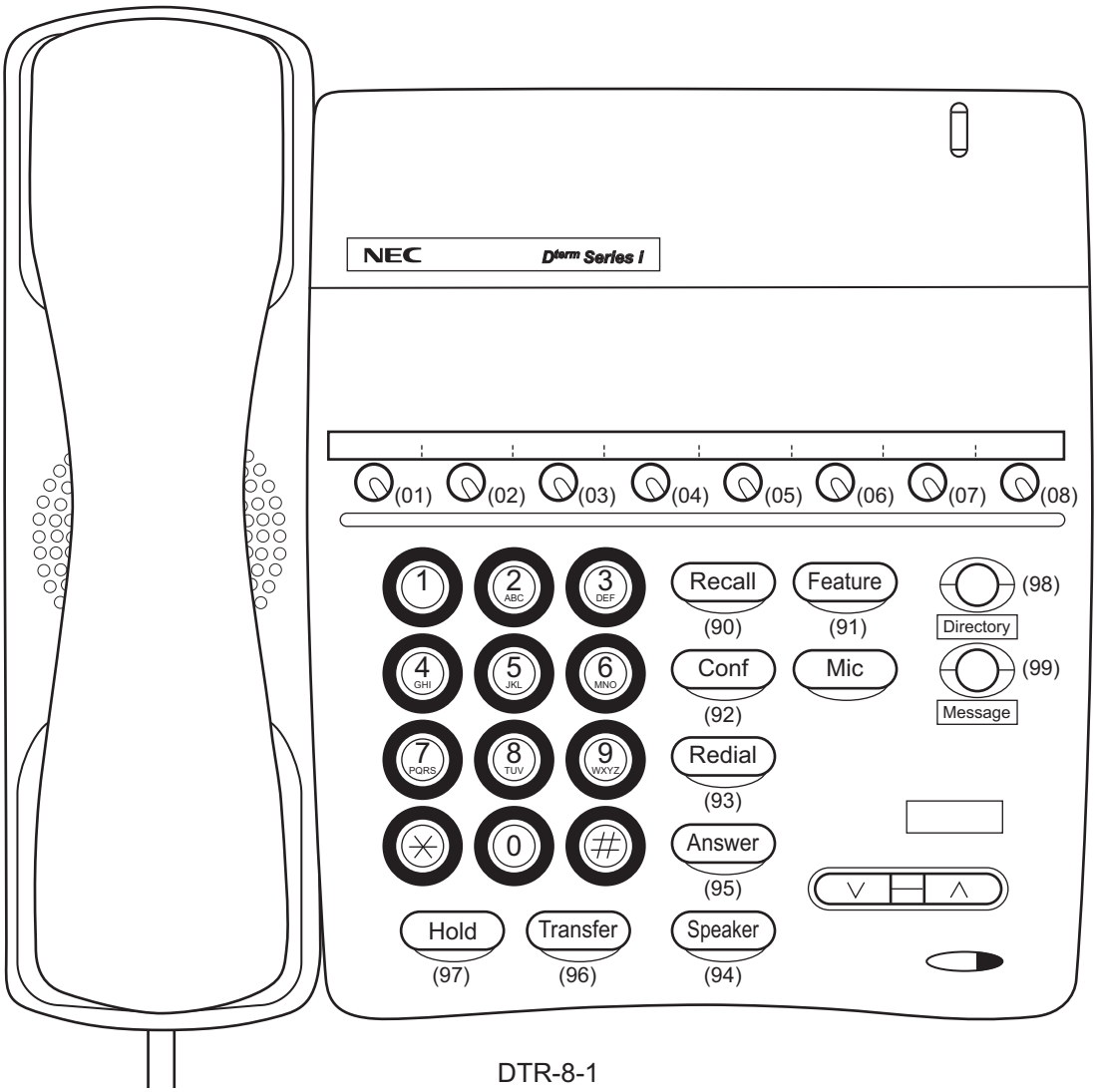
D^term Series i/D^term IP Key Numbers

Example: D^term 85 (Series i) (8 Line/Trunk/Feature Keys)



DTR-8-1

NOTE: *The table below shows the key layout for Line/Trunk/Feature Keys and One Touch Keys of the Multiline Terminals.*

CM12 Y=24: 7 (A mode)	CM12 Y=24: 0 (B mode)
LINE01 LINE02 LINE03 LINE04 LINE05 LINE06 LINE07 LINE08	Same as CM12 Y=24: 7 (A mode)

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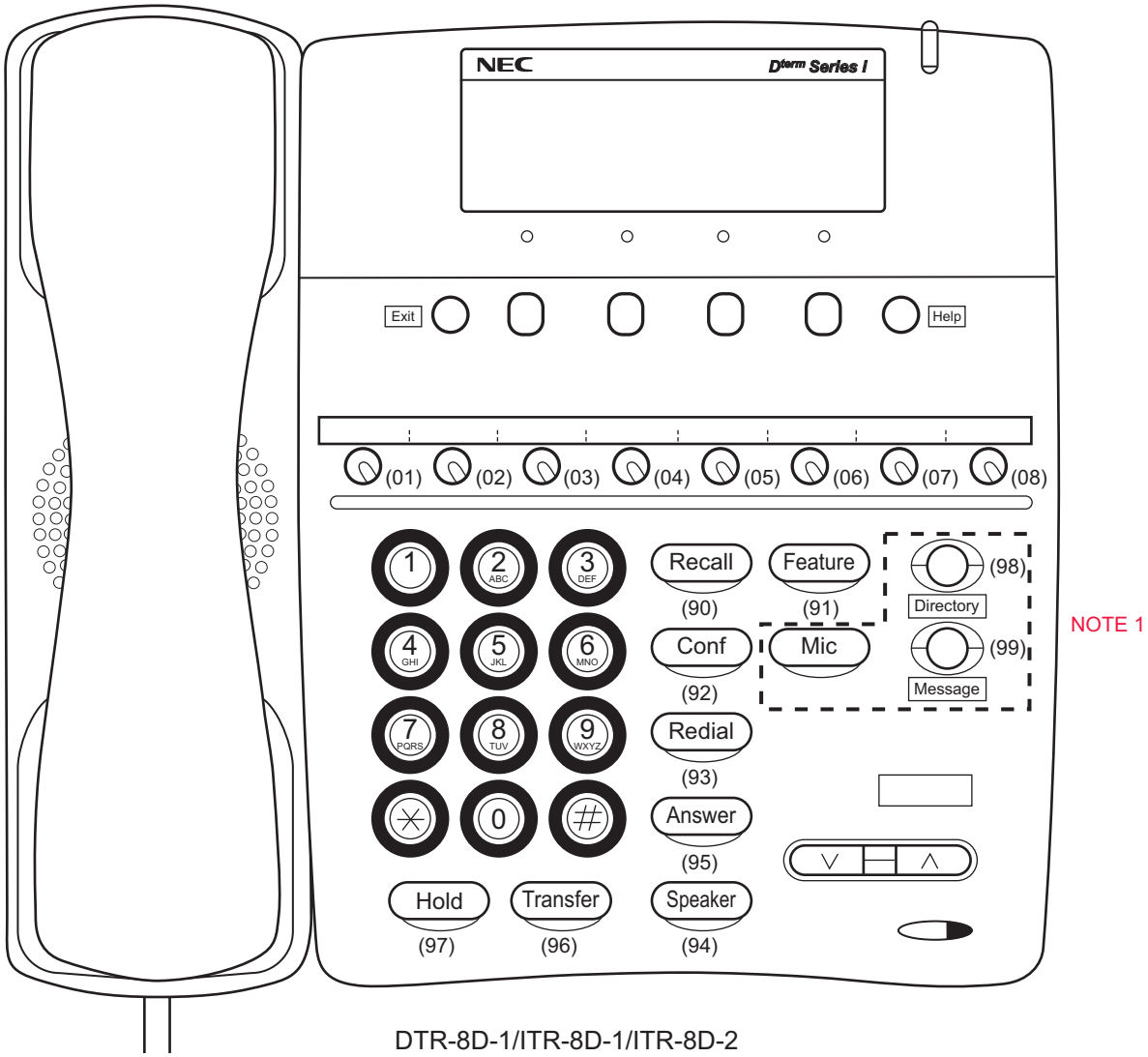
D^term Series i/D^termIP Key Numbers

Example: D^term85 (Series i) (8 Line/Trunk/Feature Keys)



DTR-8D-1/ITR-8D-1/ITR-8D-2

NOTE 1: *In case of ITR-8D-1, "Directory", "Message" and "Mic" keys are not equipped.*

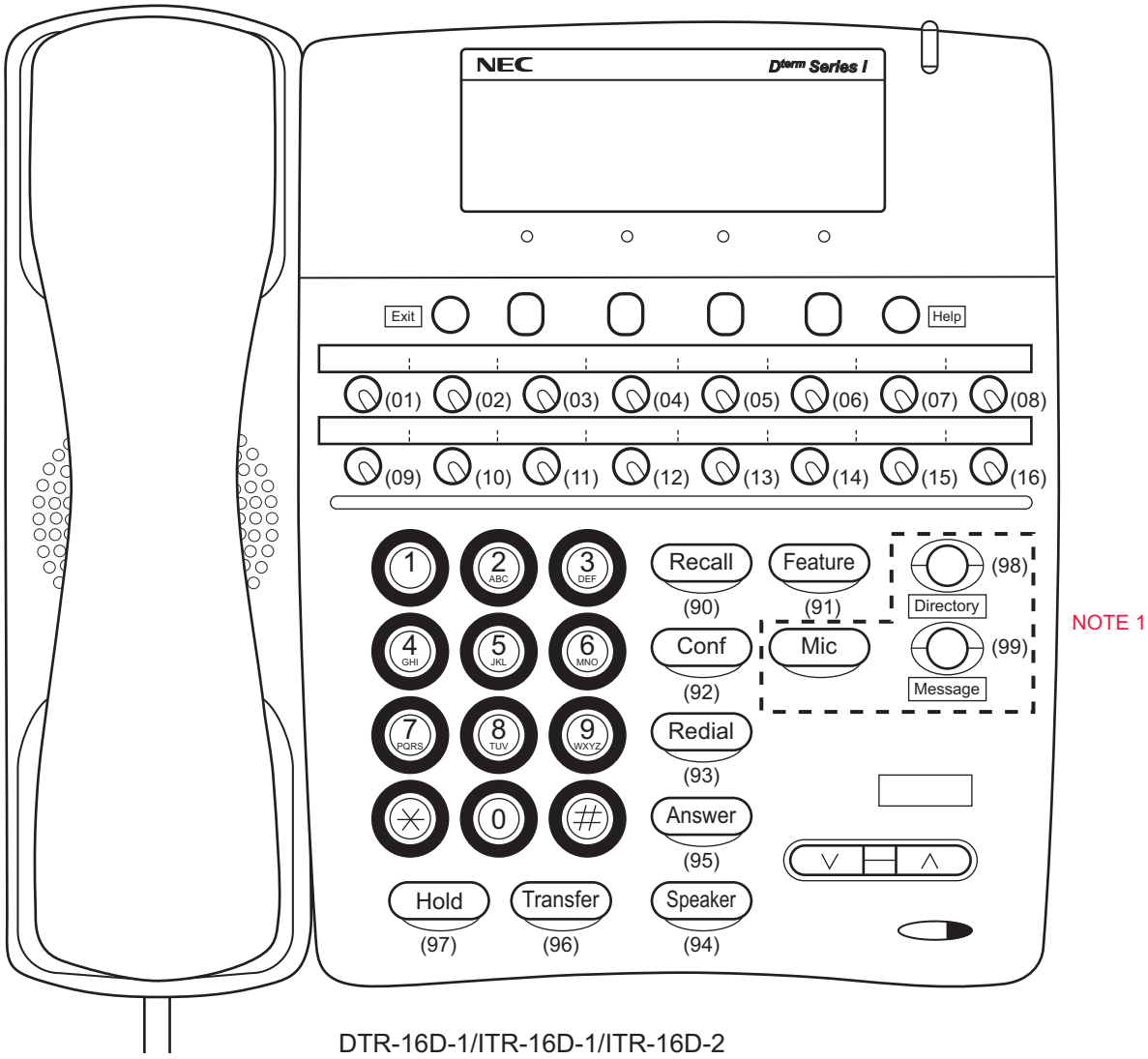
NOTE 2: *The table below shows the key layout for Line/Trunk/Feature Keys and One Touch Keys of the Multiline Terminals.*

CM12 Y=24: 7 (A mode)	CM12 Y=24: 0 (B mode)
LINE01 LINE02 LINE03 LINE04 LINE05 LINE06 LINE07 LINE08	Same as CM12 Y=24: 7 (A mode)

Continued on next page

D^term Series i/D^termIP Key Numbers

Example: D^term85 (Series i) (16 Line/Trunk/Feature Keys)



NOTE 1: *In case of ITR-16D-1, "Directory", "Message" and "Mic" keys are not equipped.*

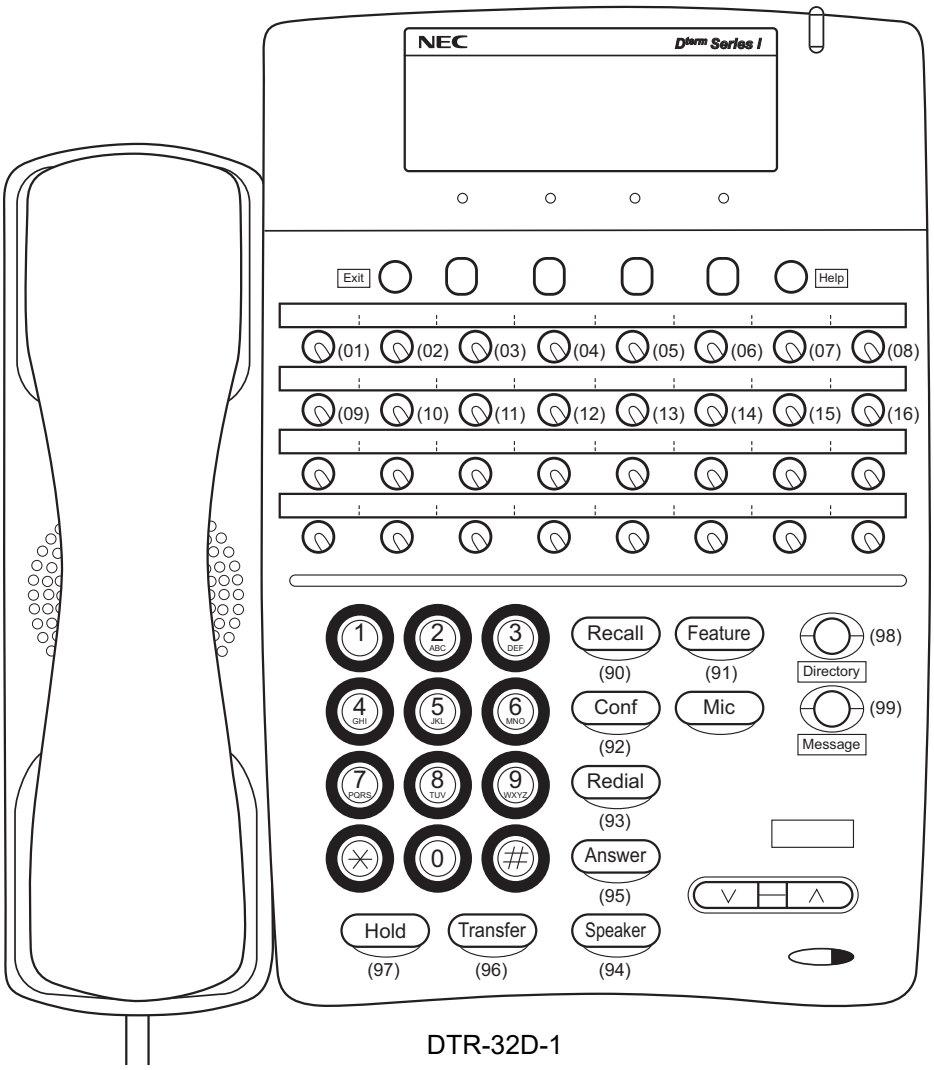
NOTE 2: *The table below shows the key layout for Line/Trunk/Feature Keys and One Touch Keys of the Multiline Terminals.*

CM12 Y=24: 7 (A mode)	CM12 Y=24: 0 (B mode)
LINE01 LINE02 LINE03 LINE04 LINE05 LINE06 LINE07 LINE08 LINE09 LINE10 LINE11 LINE12 LINE13 LINE14 LINE15 LINE16	Same as CM12 Y=24: 7 (A mode)

Continued on next page

D^term Series i/D^termIP Key Numbers

Example:D^term85 (Series i)(16 Line/Trunk/Feature Keys + 16 One-Touch Keys)



DTR-32D-1

NOTE: *The table below shows the key layout for Line/Trunk/Feature Keys and One Touch Keys of the Multiline Terminals.*

CM12 Y=24: 7 (A mode)								CM12 Y=24: 0 (B mode)							
LINE01	LINE02	LINE03	LINE04	LINE05	LINE06	LINE07	LINE08	LINE01	LINE02	LINE03	LINE04	LINE05	LINE06	LINE07	LINE08
LINE09	LINE10	LINE11	LINE12	LINE13	LINE14	LINE15	LINE16	LINE09	LINE10	LINE11	LINE12	LINE13	LINE14	LINE15	LINE16
DSS	DSS	DSS	DSS	DSS	DSS	DSS	DSS	LINE17	LINE18	LINE19	LINE20	LINE21	LINE22	LINE23	LINE24
DSS	DSS	DSS	DSS	DSS	DSS	DSS	DSS	DSS	DSS	DSS	DSS	DSS	DSS	DSS	DSS

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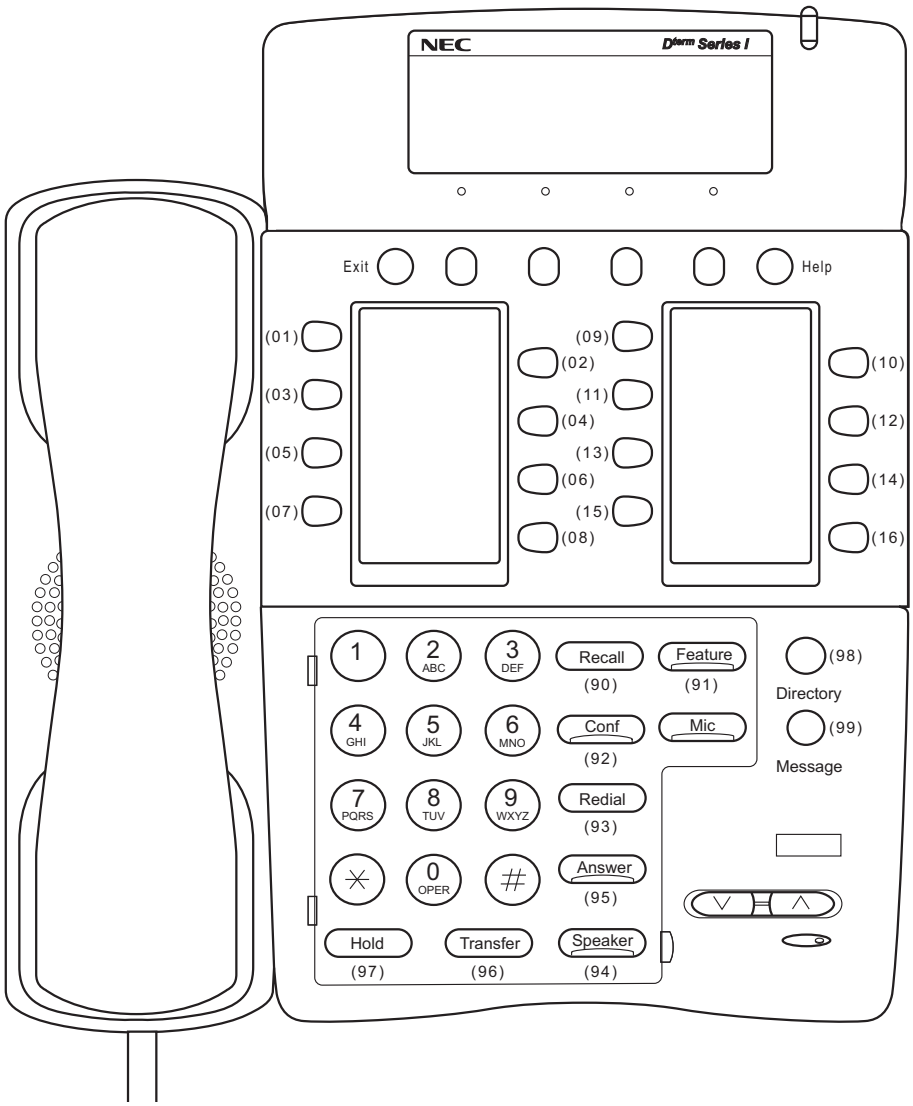
D^term Series i/D^termIP Key Numbers

Example: D^term85 (Series i) DESI-less (16 Line/Trunk/Feature Keys)



DTR-16LD

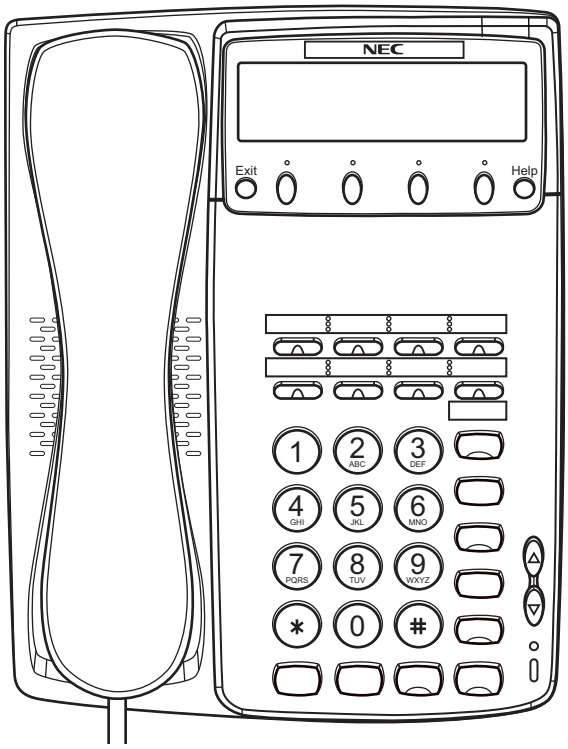
NOTE: *The table below shows the key layout for Line/Trunk/Feature Keys and One Touch Keys of the Multiline Terminals.*

CM12 Y=24: 7 (A mode)	CM12 Y=24: 0 (B mode)
LINE01 LINE02 LINE09 LINE10 LINE03 LINE04 LINE11 LINE12 LINE05 LINE06 LINE13 LINE14 LINE07 LINE08 LINE15 LINE16	Same as CM12 Y=24: 7 (A mode)

Continued on next page

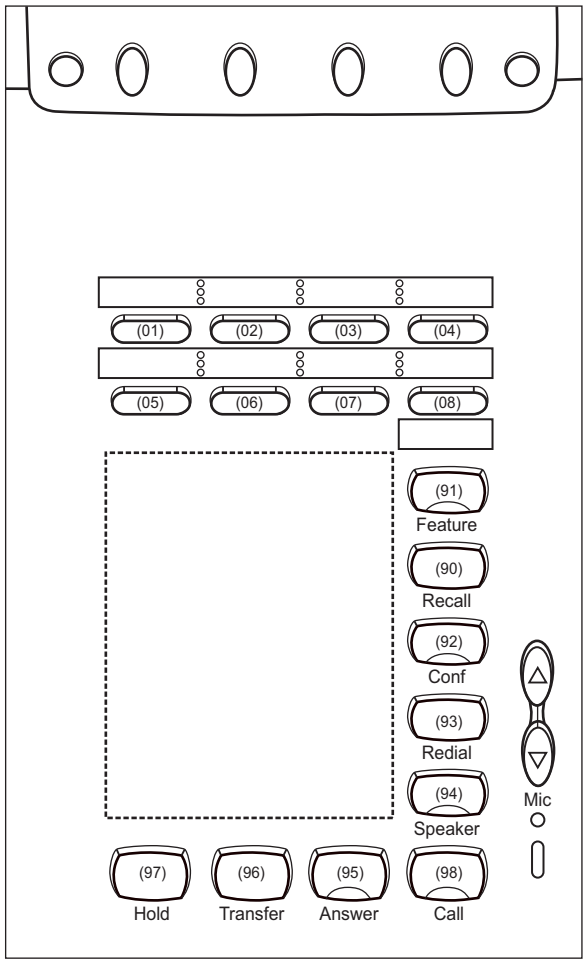
D^term Series i/D^termIP Key Numbers

Example: D^term85 (Series i) (8 Line/Trunk/Feature Keys)



DTR-8D-1R

D^term Key Numbers



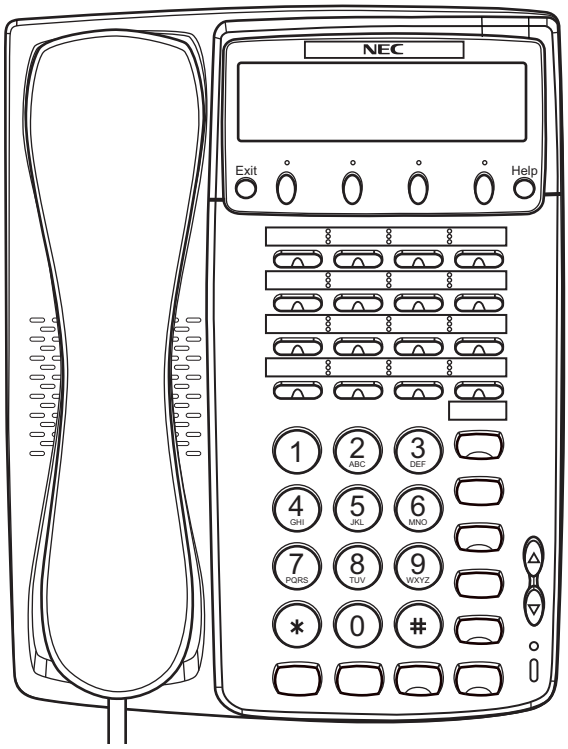
NOTE: *The table below shows the key layout for Line/Trunk/Feature Keys and One Touch Keys of the Multiline Terminals.*

CM12 Y=24: 7 (A mode)	CM12 Y=24: 0 (B mode)
LINE01 LINE02 LINE03 LINE04 LINE05 LINE06 LINE07 LINE08	Same as CM12 Y=24: 7 (A mode)

Continued on next page

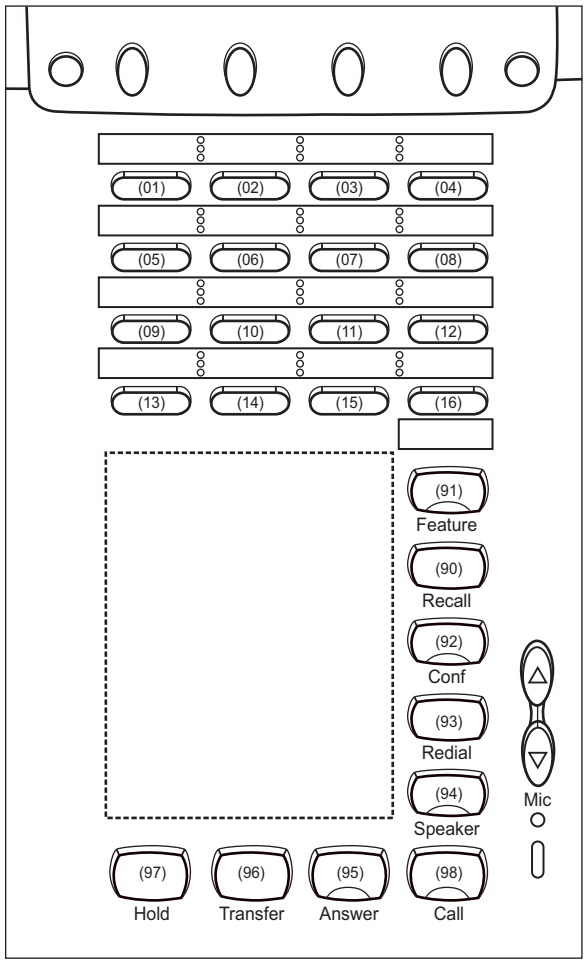
D^term Series i/D^termIP Key Numbers

Example: D^term85 (Series i) (16 Line/Trunk/Feature Keys)



DTR-16D-1R

D^term Key Numbers



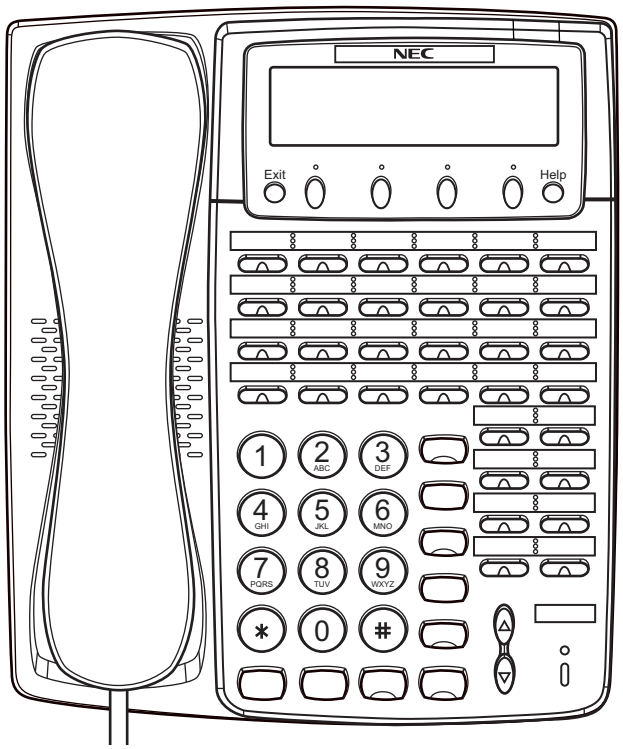
NOTE: *The table below shows the key layout for Line/Trunk/Feature Keys and One Touch Keys of the Multiline Terminals.*

CM12 Y=24: 7 (A mode)	CM12 Y=24: 0 (B mode)
LINE01 LINE02 LINE03 LINE04 LINE05 LINE06 LINE07 LINE08 LINE09 LINE10 LINE11 LINE12 LINE13 LINE14 LINE15 LINE16	Same as CM12 Y=24: 7 (A mode)

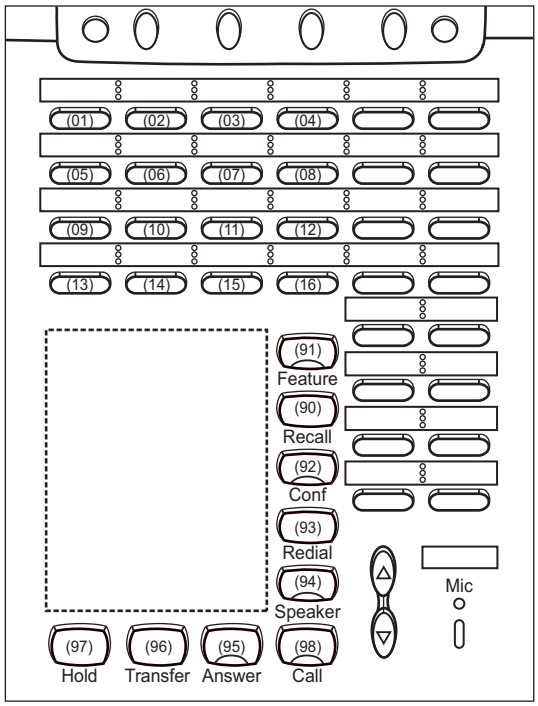
Continued on next page

D^term Series i/D^termIP Key Numbers

Example: D^term85 (Series i) (16 Line/Trunk/Feature Keys + 16 One-Touch Keys)



DTR-32D-1R



NOTE: *The table below shows the key layout for Line/Trunk/Feature Keys and One Touch Keys of the Multiline Terminals.*

CM12 Y=24: 7 (A mode)						CM12 Y=24: 0 (B mode)					
LINE01	LINE02	LINE03	LINE04	DSS	DSS	LINE01	LINE02	LINE03	LINE04	LINE05	LINE06
LINE05	LINE06	LINE07	LINE08	DSS	DSS	LINE07	LINE08	LINE09	LINE10	LINE11	LINE12
LINE09	LINE10	LINE11	LINE12	DSS	DSS	LINE13	LINE14	LINE15	LINE16	LINE17	LINE18
LINE13	LINE14	LINE15	LINE16	DSS	DSS	LINE19	LINE20	LINE21	LINE22	LINE23	LINE24
				DSS	DSS					DSS	DSS
				DSS	DSS					DSS	DSS
				DSS	DSS					DSS	DSS
				DSS	DSS					DSS	DSS

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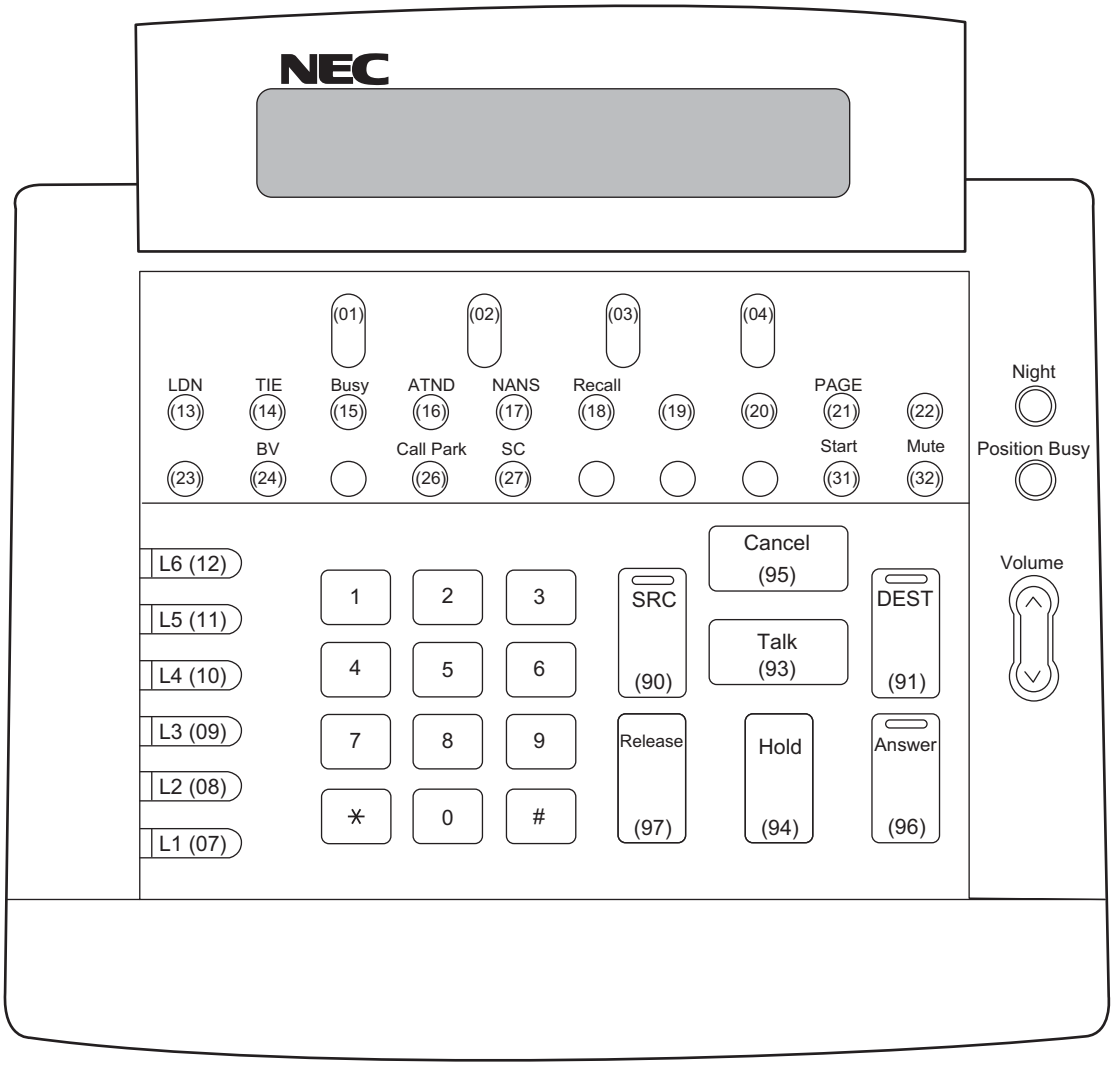
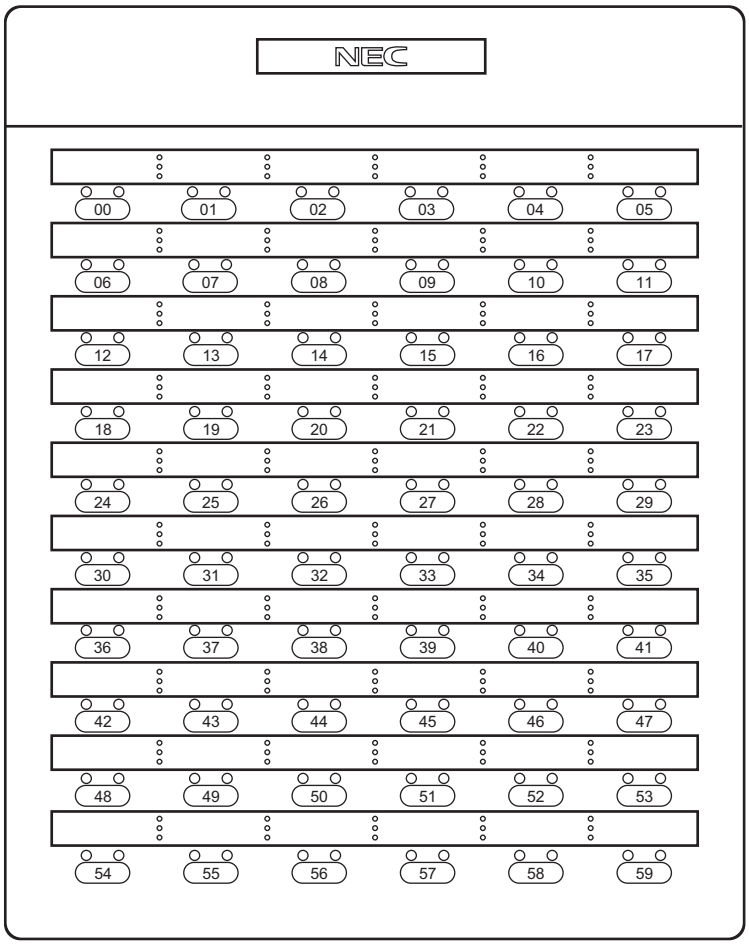
DESKCON Key Numbers



SN716 DESKCON

DSS Console Key Numbers



DCR-60-1R

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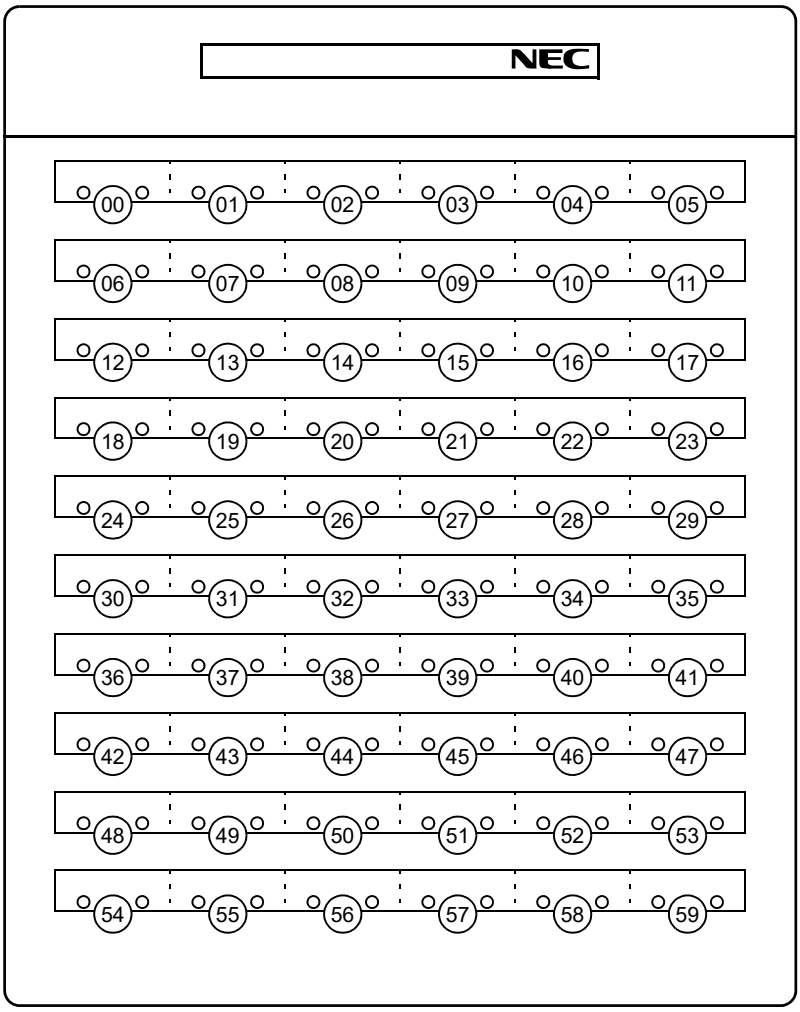
DSS Console Key Numbers



DCU-60-1

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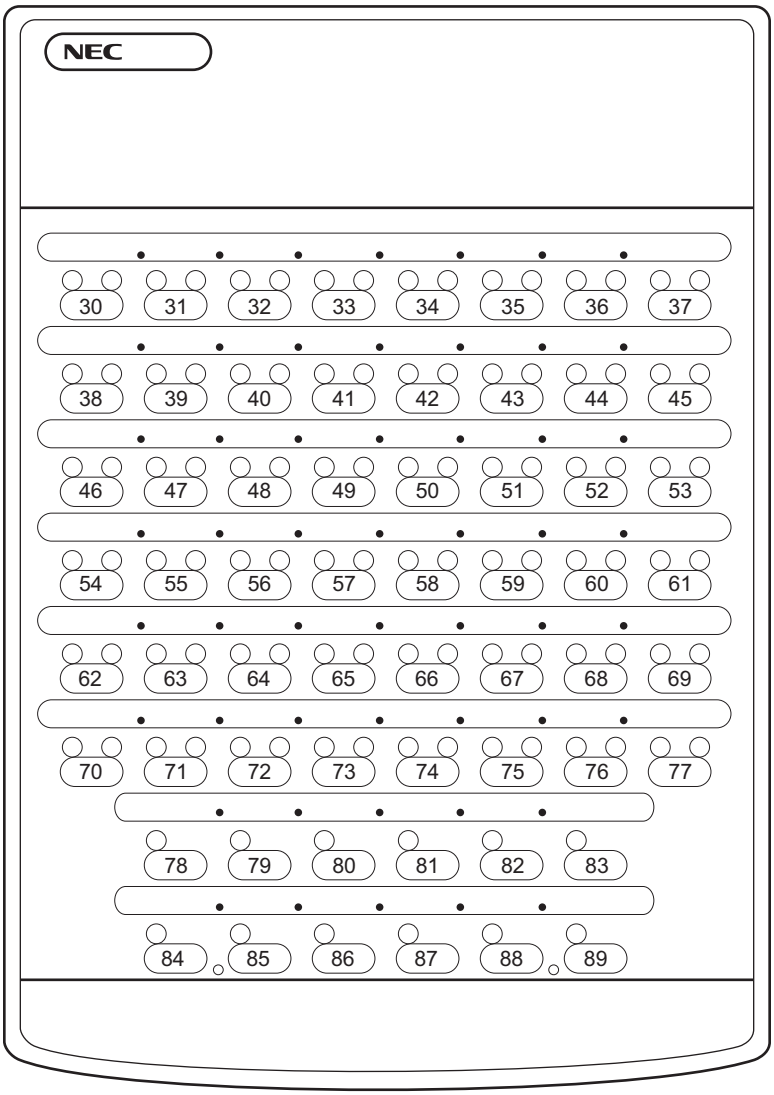
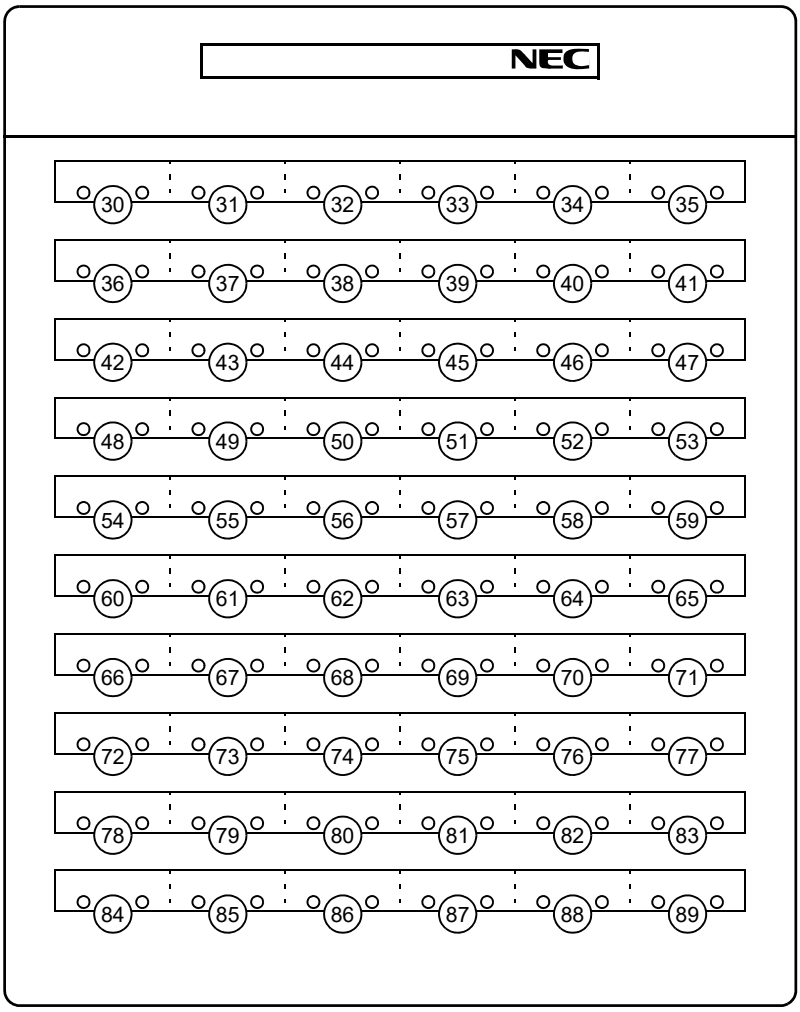
DSS Console Key Numbers



EDW-48-2

Add-On Module Key Numbers



DCU-60-1

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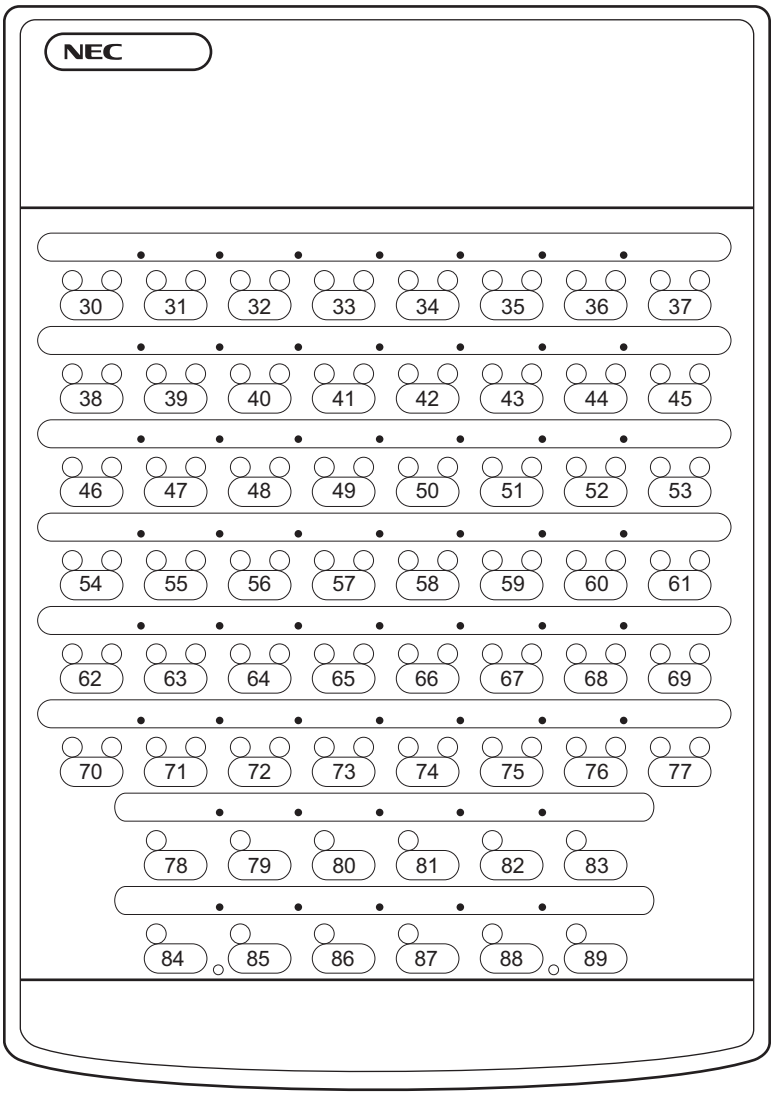
Add-On Module Key Numbers



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LEVEL DIAGRAM SETTING FOR SYSTEM

Appendix

B

This appendix explains the level diagram control methods and the detailed settings.

The following two methods are provided to control the level diagram.

- Standard pattern (CM08>739: 1)
  Terminals/trunks are classified into level diagram groups depending on speech characteristics, and PAD is assigned for each group.
  In this method, the optimum PAD standard values are automatically set. An individual assignment is required only when any problem has been found at a communication test, etc.
- Old pattern (CM08>739: 0)
  In this method, PAD assignment using system data is required for each terminal/trunk.

For the system data correspondence between the standard pattern and the old pattern, see the System Data Correspondence Table. ☞ *Page B-6*

Setting Method for Standard Pattern

In this method, terminals/trunks are classified into level diagram groups depending on speech characteristics, and PAD is assigned for each group. Under normal conditions, this method is available only by assigning CM08>739 (Level diagram setting (System)). If any problem is found in a communication test, perform an individual adjustment using the system data as shown below.

An example of cases where an individual adjustment is required:

- The level diagrams of the in-service dedicated line network are greatly different while ISDN lines and digital dedicated lines are accommodated.

For the preliminarily assigned level diagram groups and the PAD values between the level diagram groups, see the following pages.

- About level diagram groups and the level diagram group numbers ☞ *Page B-4*
- PAD standard values ☞ *Page B-5*

■ Level diagram group setting for each terminal

- CM12 Y=73 (Level diagram group number for each station)
  1ST DATA : X-XXXXXXXX (Station No.)
  2ND DATA : 20-31 (Level diagram group number)

  NOTE 1: *This data is not available for a station number of an ISDN terminal.*
  NOTE 2: *A setting for a virtual station number is invalid.*

- CM35 Y=300 (Level diagram group number for each trunk route)
  1ST DATA : 00-63 (Trunk route No.)
  2ND DATA : 20-31 (Level diagram group number)

  NOTE: *To assign a level diagram group number for each destination of IPT (P2P CCIS) connection, use CM8A Y=5000-5255>182.*

- CM8A Y=5000-5255 (Level diagram group number for each LCR pattern)
  1ST DATA : 182 (Level diagram group setting)
  2ND DATA : 20-31 (Level diagram group number)

  NOTE: *This data is valid only for IPT (P2P CCIS).*

■ PAD setting for each level diagram group

- CM68 Y=01 (PAD data between groups)
  1ST DATA : AA BB (PAD data between groups (AA → BB))
  AA: 00-31 (Level diagram group number)
  BB: 00-31 (Level diagram group number)
  2ND DATA : 00 (-16 dB)
  ≀ ≀ (1 dB increment)
  : 15 (-1 dB)
  : 16 (0 dB)
  : 17 (+1 dB)
  ≀ ≀ (1 dB increment)
  : 28 (+12 dB)
  ≀ ≀
  : 32 (+12 dB)

  NOTE 1: *As a setting for the 1st data AABB (from Level diagram group number AA to BB) is assigned (or cleared), the same setting for the reverse direction data (from Level diagram group number BB to AA) (assignable by using CM 68 Y=02) is also assigned (or cleared).*
  NOTE 2: *The plus/minus sign meanings for 2ND DATA: +: Gain/ -: Loss.*

■ Setting when assigning Old pattern only to some connections

- CM68 Y=00 (Level diagram setting between groups)
  1ST DATA : AA BB (PAD data between groups (AA → BB))
  AA: 00-31 (Level diagram group number)
  BB: 00-31 (Level diagram group number)
  2ND DATA : 2 (Old Pattern)

  NOTE: *As a setting for the 1st data AABB (between Level diagram group number AA and BB) is assigned (or cleared), the same setting for the reverse direction data (between Level diagram group number BB and AA) is also assigned (or cleared).*

[About level diagram groups]

For the Standard Pattern, terminals and trunks are preliminarily grouped as shown below.

Group No.	Terminal/Trunk belonging to the Group
00	Analog telephone
01	Digital Multiline Terminal/PGD(2)-U10 ADP/DSS Console/ISDN Terminal/ In-Skin UMS
02	Not used
03	IP Station
04	Not used
05	Not used
06	Standard SIP Terminal
07	CFT
08	SS/VRS
09	ISDN data communication
10	COT/DID/LDT/ODT (2-wire)
11	ODT (4-wire)
12	BRT/PRT/DTI/CCT
13	IPT (P2P CCIS)
14	SIP trunk
15-19	Not used
20-31	User-defined group

[PAD standard values between Level diagram groups]

For the standard pattern, the PAD standard values between level diagram groups are predefined as shown below.

Unit: dB

Level diagram group number	Level diagram group number (destination)														
	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14
00	-3/-3	-3/-3	-3/-3	-3/-3	-3/-3	-3/-3	-3/-3	-3/0	-3/-3	*	-3/-6	-8/-8	-3/-8	0/-8	0/-8
01	-3/-3	-3/-3	-3/-3	-3/-3	-3/-3	-3/-3	-3/-3	-3/0	-3/-3	*	-3/-6	-8/-8	-3/-8	0/-8	0/-8
02	-3/-3	-3/-3	-3/-3	-3/-3	-3/-3	-3/-3	-3/-3	-3/0	-3/-3	*	-3/-6	-8/-8	-3/-8	0/-8	0/-8
03	-3/-3	-3/-3	-3/-3	-3/-3	-3/-3	-3/-3	-3/-3	-3/0	-3/-3	*	-3/-6	-8/-8	-3/-8	0/-8	0/-8
04	-3/-3	-3/-3	-3/-3	-3/-3	-3/-3	-3/-3	-3/-3	-3/0	-3/-3	*	-3/-6	-8/-8	-3/-8	0/-8	0/-8
05	-3/-3	-3/-3	-3/-3	-3/-3	-3/-3	-3/-3	-3/-3	-3/0	-3/-3	*	-3/-6	-8/-8	-3/-8	0/-8	0/-8
06	-3/-3	-3/-3	-3/-3	-3/-3	-3/-3	-3/-3	-3/-3	-3/0	-3/-3	*	-3/-6	-8/-8	-3/-8	0/-8	0/-8
07	0/-3	0/-3	0/-3	0/-3	0/-3	0/-3	0/-3	*	*	*	0/-6	0/-8	0/-8	0/-8	0/-8
08	-3/-3	-3/-3	-3/-3	-3/-3	-3/-3	-3/-3	-3/-3	*	*	*	-3/-6	-8/-8	-3/-8	0/-8	0/-8
09	*	*	*	*	*	*	*	*	*	0/0	*	*	*	*	*
10	-6/-3	-6/-3	-6/-3	-6/-3	-6/-3	-6/-3	-6/-3	-6/0	-6/-3	*	-6/-6	-10/-4	-6/0	-6/0	-6/0
11	-8/-8	-8/-8	-8/-8	-8/-8	-8/-8	-8/-8	-8/-8	-8/0	-8/-8	*	-4/-10	-8/-8	0/-8	0/-8	0/-8
12	-8/-3	-8/-3	-8/-3	-8/-3	-8/-3	-8/-3	-8/-3	-8/0	-8/-3	*	0/-6	-8/0	0/0	0/0	0/0
13	-8/0	-8/0	-8/0	-8/0	-8/0	-8/0	-8/0	-8/0	-8/0	*	0/-6	-8/0	0/0	-/-	0/0
14	-8/0	-8/0	-8/0	-8/0	-8/0	-8/0	-8/0	-8/0	-8/0	*	0/-6	-8/0	0/0	0/0	0/0

NOTE: *The signs in the above table indicate the following meanings:*

a/b: *a (Transmission) / b (Reception)*

- (Minus): *Loss*

-/-: *PAD ineffective*

** (Asterisk):* *No data*

System Data Correspondence Table between Standard Pattern and Old Pattern

The following table shows the system data correspondence between the standard pattern and the old pattern.

Setting Item	System Data	Old Pattern	System Data	Standard Pattern
PAD Data	CM35 Y=289	Setting of PAD data from a trunk to a station	CM68 Y=01 CM68 Y=02	PAD data between groups (AA → BB) PAD data between groups (BB → AA)
	CM35 Y=290	Setting of PAD data from a station to a trunk		
	CM35 Y=295	Setting of PAD data from a trunk to a conference trunk		
	CM35 Y=296	Setting of PAD data from a conference trunk to a trunk		
	CM36 Y=1	Setting of PAD data for tandem connection		
	CM42>190	Setting of PAD data for a Station-to-Station call		
	CM42>191	Setting of PAD data from a station/trunk to a Conference Trunk for a Conference Trunk connection		
	CM42>207	Setting of PAD data from a conference trunk to a station/ trunk		
	CM67 Y=02	PAD data between locations	CM68 Y=20 CM68 Y=21	IP Terminal transmission PAD setting between groups (AA → BB) IP Terminal reception PAD setting between groups (BB → AA)

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Setting Item	System Data	Old Pattern	System Data	Standard Pattern
Echo Canceller Control	CM67 Y=03	Echo Canceller between locations	CM68 Y=11 CM68 Y=22	VoIPDB Echo Canceller between groups IP Terminal Echo Canceller between groups
	CM0B Y=300> XX0	NLP	CM68 Y=11	VoIPDB Echo Canceller between groups
	CM0B Y=2XX> 201	Smooth PAD (i.e. a function to limit a volume level)	CM68 Y=60	VoIPDB Smooth-PAD between groups
	CM0B Y=2XX> 202	NLP Sensitivity	CM68 Y=61	VoIPDB NLP Sensitivity between groups
	CM0B Y=300> XX6	NLP Threshold	CM68 Y=62	VoIPDB NLP Threshold between groups

* NLP: Non-Linear Processor, providing a function to remove residual echo.

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